



**CONVENTION SUR  
LES ESPÈCES  
MIGRATRICES**

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**NOMINATION DE CANDIDATS POUR LES NOUVEAUX DOMAINES D'ACTIVITÉ DES  
CONSEILLERS NOMMÉS PAR LA COP**

*(Préparé par le Secrétariat)*

Résumé:

Ce document contient les nominations par les Parties des candidats pour les nouveaux domaines d'activité des conseillers nommés par la COP, proposés par le Conseil scientifique pour la période intersessionnelle entre la COP13 et la COP14.

La Rev.1 comprenait une nomination supplémentaire reçue après la publication de la première version du document.

La Rev.2 comprend trois autres nominations et des analyses comparatives des candidats pour les postes comportant plus d'un candidat.

## NOMINATION DE CANDIDATS POUR LES NOUVEAUX DOMAINES D'ACTIVITÉ DES CONSEILLERS NOMMÉS PAR LA COP

1. Sur instruction du Comité de session du Conseil scientifique, le Secrétariat a demandé aux Parties contractantes de proposer des candidats appropriés pour les nouveaux domaines d'activité des conseillers nommés par la COP, à savoir les mammifères terrestres, la connectivité/les réseaux, la pollution marine, les poissons marins et les espèces envahissantes.
2. À cet effet, la [Notification 2019/02](#) a été publiée par le Secrétariat le 6 décembre 2019. La notification comprenait le mandat des conseillers nommés par la COP et les instructions pour la nomination des candidats, qui devaient inclure une déclaration justifiant la candidature, un CV du candidat, ainsi qu'une déclaration du candidat exprimant sa volonté d'accepter la nomination s'il était sélectionné.
3. Les candidatures reçues en réponse à l'appel du Secrétariat figurent dans les Annexes suivantes du présent document, qui constitue un Addendum au document [UNEP/CMS/COP13/Doc.15.1](#):
 

Annexe 1	Nomination du Dr Rima Jabado pour le rôle de <i>Conseiller nommé par la COP pour les Poissons marins</i> , soumise par le Gouvernement australien.
Annexe 2	Nomination du Dr Fernando Spina pour le rôle de <i>Conseiller nommé par la COP pour Connectivité/Réseaux</i> , présentée par le gouvernement italien.
Annexe 3	Nomination du Dr Urs Breitenmoser au poste de <i>Conseiller nommé par la COP pour les Mammifères terrestres</i> , soumise par le gouvernement Suisse
Annexe 4	Nomination du Dr Mark Simmonds au poste de <i>Conseiller nommé par la COP pour la Pollution marine</i> , présentée par le gouvernement de la Principauté de Monaco
Annexe 5	Nomination du Dr Holly Jones au poste de <i>Conseiller nommé par la COP pour les espèces envahissantes</i> , présentée par le Gouvernement de la Nouvelle Zélande.
Annexe 6	Nomination du Prof. Alfred Apau Oteng-Yeboah au poste de <i>Conseiller nommé par la COP pour les Mammifères terrestres</i> , soumise par le gouvernement de la République d'Afrique du Sud
Annexe 7	Nomination du Prof. Rodrigo Antonio Medellín Legorreta au poste de <i>Conseiller nommé par la COP pour les Mammifères terrestres</i> , présentée par le gouvernement de l'État plurinational de Bolivie
Annexe 8	Nomination du Dr. Tatiani Elisa Chapla au poste de <i>Conseiller nommé par la COP pour les espèces envahissantes</i> , soumise par le gouvernement du Brésil.

Pour les postes comportant plus d'un candidat, le Secrétariat a préparé une analyse comparative des candidats. Un bref aperçu des candidats est fourni dans le tableau 1 (Mammifères terrestres) et le tableau 2 (espèces envahissantes). Les tableaux ont été compilés par le Secrétariat et reflètent son interprétation des CV des candidats. Le contenu des tableaux n'a pas été examiné ou approuvé par les candidats

**Tableau 1: Nominations pour le poste de Conseiller nommé par la COP pour les mammifères terrestres**

Nom	Qualifications	Affiliation	Expérience pertinente clé	Expérience en matière de politique internationale
<b>Urs Max Breitenmoser</b>	Doctorat	Centre for Fish and Wildlife Health, Vetsuisse Faculty, University of Bern  KORA  Foundation KORA	<ul style="list-style-type: none"> <li>• Epidémiologiste</li> <li>• Écologiste domaine des carnivores</li> <li>• Vaste expérience en matière de recherche, d'enseignement et de projets</li> <li>• Évaluations de l'état de conservation, planification de la conservation</li> <li>• Focus régionaux: Alpes, Europe en général, Asie, Moyen Orient, Afrique, Amérique latine</li> <li>• Co-Président du groupe de spécialistes des félins de l'UICN, avec participation à de nombreux projets internationaux</li> <li>• Membre des groupes de spécialistes de l'IUCN pour les félins, l'ours, l'initiative de réintroduction et des grands carnivores d'Europe, et du sous-comité de planification de la conservation des espèces</li> </ul>	<ul style="list-style-type: none"> <li>• Soutien à l'Initiative pour les carnivores d'Afrique</li> </ul>
<b>Rodrigo Antonio Medellín Legorreta</b>	Doctorat	Instituto de Ecología, Universidad Nacional Autónoma de México	<ul style="list-style-type: none"> <li>• Biologiste de la conservation</li> <li>• Focus sur les espèces : principalement chauves-souris et jaguars</li> <li>• Vaste expérience en matière de recherche et d'enseignement</li> <li>• Membre fondateur de plusieurs initiatives de recherche liées aux chauves-souris, à la recherche écologique et à la conservation</li> <li>• Focus régional : Les Amériques</li> </ul>	<ul style="list-style-type: none"> <li>• Conseiller nommé par la COP pour la faune néotropicale</li> <li>• Membre de l'IPBES (Plate-forme intergouvernementale pour la biodiversité et les services écosystémiques) MEP (Panel d'experts pluridisciplinaires)</li> </ul>

Nom	Qualifications	Affiliation	Expérience pertinente clé	Expérience en matière de politique internationale
			<ul style="list-style-type: none"> <li>Co-président du Groupe de spécialistes des chauves-souris de l'UICN</li> </ul>	
<b>Alfred Apau Oteng-Yeboah</b>	Doctorat	College of Basic and Applied Sciences, School of Biological Sciences, Department of Plant and Environmental Biology, University of Ghana	<ul style="list-style-type: none"> <li>Gestion et restauration de l'habitat</li> <li>Évaluation de nombreux projets et initiatives de conservation</li> <li>Expérience en matière d'enseignement</li> </ul>	<ul style="list-style-type: none"> <li>Conseiller nommé par la COP pour la faune africaine</li> <li>Président, 9ème et 10ème réunion de l'Organe subsidiaire chargé de fournir des avis scientifiques, techniques et technologiques (SBSTTA) de la Convention des Nations unies sur la diversité biologique (CDB)</li> <li>A présidé de nombreux groupes de contact et groupes de pilotage de la CDB</li> <li>Membre de nombreux groupes et processus</li> <li>A représenté le Ghana dans de nombreuses COP de la CDB et réunions de l'OSASTT, ainsi que dans les plénières de l'IPBES</li> </ul>



**Tableau 2: Nominations pour le poste de Conseiller nommé par la COP pour les espèces envahissantes**

Nom	Qualifications	Affiliation	Expérience pertinente clé	Expérience en matière de politique internationale
<b>Tatiani Elisa Chapla</b>	Doctorat	Ministry of the Environment of Brazil	<ul style="list-style-type: none"> <li>• Analyste en matière d'environnement</li> <li>• Focus: Gestion des espèces exotiques envahissantes</li> <li>• GEF collecte de fonds</li> <li>• Coordination de Groupes de travail, collaboration avec des partenaires nationaux et internationaux</li> <li>• Élaboration de politiques publiques, de réglementations, de stratégies, de programmes et de projets pour la conservation de la biodiversité</li> </ul>	<ul style="list-style-type: none"> <li>• Préparation de documents d'avis techniques pour les réunions techniques de la CDB, de l'Agenda 2030, de l'IPBES, de la CMS, de la Convention de Ramsar et de la CITES et participation à ces réunions</li> </ul>
<b>Holly Jones</b>	Doctorat	<p>Associate Professor, Northern Illinois University – Department of Biological Sciences and Institute for the Study of the Environment, sustainability and Energy</p> <p>Research Associate, Institute for Applied Ecology New Zealand, Auckland University of Technology</p> <p>Adjunct Researcher, Institute for Marine and Antarctic Studies, University of Tasmania:</p>	<ul style="list-style-type: none"> <li>• Focus thématique: Éradication des mammifères prédateurs envahissants ; restauration des écosystèmes ; changement climatique</li> <li>• Focus sur les espèces: oiseaux de mer; bison</li> <li>• Focus Habitat: Écosystème insulaire; prairie</li> <li>• Expérience en matière d'enseignement</li> <li>• Communication et sensibilisation</li> <li>• Rédacteur en chef de revues scientifiques</li> </ul>	

**ANNEX 1**

**NOMINATION OF DR RIMA JABADO FOR THE ROLE OF  
COP-APPOINTED COUNCILLOR – MARINE FISH**

*(submitted by the Government of Australia)*

## Marco Barbieri

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**From:** Narelle Montgomery <Narelle.Montgomery@environment.gov.au>  
**Sent:** Monday, 6 January 2020 06:43  
**To:** 'CMS Secretariat'  
**Cc:** Marco Barbieri; Vittoria Semplici (Affiliate); Melanie Virtue; geoff.richardson [ENVIRONMENT GOV]; Fiona Bartlett; Mark Carey; 'Rima Jabado'  
**Subject:** Nomination for COP-Appointed Councillor for Marine Fish [SEC=OFFICIAL] [SEC=UNCLASSIFIED]  
**Attachments:** cop-appt councillor marine fish - justification\_rima jabado.docx; cop-appt councillor for marine fish - cv\_rimajabado.pdf; cop-appt councillor for marine fish - declaration\_rima jabado.pdf

Dear CMS Secretariat

Australia appreciates the opportunity to nominate a suitable expert for the new position of CoP-Appointed Councillor for Marine Fish. We believe that CoP-Appointed Councillors play a very important role in the Convention through their support of the work of both the Scientific Council and the Conference of Parties.

Australia has looked carefully at the position for the CoP-Appointed Councillor for Marine Fish, as we recognise the interest and importance of that position due to the complexities of the issues associated with species the position covers.

Australia is pleased to nominate Dr Rima Jabado for the position of CoP-Appointed Councillor for Marine Fish. Dr Jabado has extensive experience with marine fish through her background in marine sciences and over seventeen years of experience working on fisheries management, marine threatened species research, and various conservation projects. Importantly, she also has experience with CMS through her involvement as a member of the Advisory Committee for the CMS Sharks MoU. Dr Jabado is eminently suitable for the new CoP-Appointed Councillor position, and would bring with her an extensive range of experience, appropriate for such a position.

Please find attached Dr Jabado's justification for nomination, CV and letter of willingness.

Please let me know if you require any further information, or supporting documentation, at this stage.

Kind regards – Narelle

Narelle Montgomery  
 CMS Scientific Councillor for Australia  
 Assistant Director  
 Migratory Species Section  
 Department of the Environment and Energy  
 p: 6274 2818 | f: 6275 9374 | e: [narelle.montgomery@environment.gov.au](mailto:narelle.montgomery@environment.gov.au)

Please note that I am in the office Mon - Thurs (9.15am - 2.15pm)

## **Justification for the nomination of Dr. Rima Jabado for the role of COP-appointed Councillor – Marine Fish**

Australia would like to nominate Dr Rima Jabado for the newly created role of *COP-appointed Councillor – Marine Fish*. Dr Jabado has an extensive background in marine sciences and over seventeen years of experience working on fisheries management, marine threatened species research, and conservation projects around the world.

Dr Jabado's career in the field of fisheries science and management has been focused on achieving change through the translation of research into conservation and social outcomes. She has led, supervised, advised on, and been involved in a diversity of scientific projects, as well as community initiatives, allowing her to gain a great deal of experience working with multiple stakeholders including non-governmental organizations, research institutions, fishers, scientists, resource managers, and government officials. Day to day tasks have included activities as diverse as field work, interviewing fishers in remote areas, developing and implementing strategies at national and regional levels, training students in field and laboratory settings, planning and developing conservation strategies, briefing and advising ministers on fisheries policies, writing peer-reviewed articles, and presenting at international conferences.

Specifically, Dr Jabado has worked at the interface of science and policy in two regions that are underrepresented in the CMS Scientific Council, namely, the northwest Indian Ocean (Middle East) and West Africa. This experience will not only bring diversity to the Scientific Council but will also allow her to provide input and insights into key challenges faced in the implementation of CMS Resolutions and Decisions as well as recommendations on how to address critical conservation issues. For example, since 2018, Dr Jabado has been working as a consultant for CMS on a project focused on minimizing bycatch of seabirds and sea turtles in industrial fisheries in West Africa. Through this project, she has been working across seven countries (Cape Verde, Mauritania, Guinea, Guinea-Bissau, Senegal, Sierra Leone, and The Gambia) to review and update national policies and regional agreements related to bycatch and fisheries management. She has widely consulted with stakeholders from the environmental and fisheries sectors and understand their capacity needs and limitations in terms of governance, technical assistance, and resources in relation to CMS and the implementation of other international agreements.

Dr Jabado also has experience with CMS and other relevant international forums, having been appointed as a representative for the Asia region for the CMS Sharks Memorandum of Understanding Advisory Committee, where she is now serving her second three-year term, as well as the International Union for Conservation of Nature Shark Specialist Group Regional Vice-Chair for the Indian Ocean.

In 2019, Dr Jabado was awarded a Pew Fellowship in Marine Conservation as well as a Save Our Seas Fellowship to support projects related to Rhino Rays (wedgetfishes and guitarfishes). Several species from this group have been listed on CMS and Concerted Actions have been proposed for consideration at COP13. Her understanding of their biology and their conservation needs allowed Dr Jabado to review some of the initial listing proposals for these species and would allow her to provide support and advice to Parties regarding priority actions, if Concerted Actions are agreed in future.

These fellowships and roles have allowed Dr Jabado to build strong professional networks with other individuals working on key marine conservation issues across the globe and also exposed her to the functioning behind many multi-lateral environmental agreements including CMS, the Convention on International Trade in Endangered Species of Flora and Fauna (CITES), the Convention on Biological Diversity, and several Regional Fisheries Management Organizations. Since 2013, Dr Jabado has been heavily involved in supporting governments to implement trade controls for CITES listed shark and ray species. This has involved the development of visual identification tools, training fisheries and customs officials in over 20 capacity building workshops around the world, and offering guidance to governments on legislative and policy updates. This range of experience will allow her to create synergies across CMS agreements as well as link the Scientific Council Programme of Work to other activities related to marine species listed on multiple international agreements.

Finally, Dr Jabado has lived in many countries around the world including Greece, Canada, South Korea, Australia, and the United Arab Emirates and speaks English, French, Arabic, Greek and Italian. These diverse living experiences and language skills enables Dr Jabado to understand cultural and social sensitivities associated with international work and get on well with a wide range of colleagues and collaborators.

Dr Jabado's background, skills and experience are well suited to the CMS and will enable her to provide sound scientific guidance on the complex issues associated with many migratory marine fish.

Dr. Rima Jabado  
Elasmo Project  
P.O. Box 29588  
Dubai, UAE

January 2<sup>nd</sup>, 2020

To:

Mrs Narelle Montgomery  
CMS Scientific Councillor for Australia  
Assistant Director  
Migratory Species Section  
Department of Environment and Energy

Dear Mrs Montgomery,

I would like to thank the Australian government for nominating me to the role of *COP-appointed Councillor – Marine Fish*. Should Convention on Migratory Species (CMS) Parties agree to my appointment at the 13<sup>th</sup> meeting of the Conference of Parties to the CMS held in Gandhinagar, India from February 15 to 22 2020, I confirm with this letter that I will accept the position.

I assure you that I will put in the best of my efforts and dedication to ensure all the expectations from this role as specified in the CMS Notification 2019/022 (Notification to the Parties – Nomination of Candidates for the New COP-Appointed Councillor Subject Areas) will be honored during my appointment term.

Sincerely,

A handwritten signature in black ink, appearing to read 'Rima', with a stylized flourish at the end.

Rima

## Rima W Jabado, PhD

P.O. Box 29588 - Dubai, UAE

E [rima@elasmoproject.com](mailto:rima@elasmoproject.com)



### EDUCATION

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2010-2014	<a href="#">United Arab Emirates University</a> <b>PhD</b> , Environmental Science and Ecology	<a href="#">Al Ain, UAE</a>
2006-2007	<a href="#">James Cook University</a> <b>Masters</b> , Applied Science, Natural Resource Management	<a href="#">Townsville, Australia</a>
1997-2002	<a href="#">Concordia University</a> <b>Graduate Diploma</b> , Public Relations <b>Bachelor of Arts</b> , Degree in Political Science and International Relations	<a href="#">Montréal, Canada</a>



### PROFESSIONAL EXPERIENCE

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2018 - ongoing	<a href="#">United Nations Environment Program – Convention on Migratory Species (CMS)</a> Consultant	
	<ul style="list-style-type: none"><li>▪ Coordinate the overall implementation of the CMS component of the project 'Minimizing bycatch of seabirds and sea turtles in West African industrial fisheries' managed by BirdLife International;</li><li>▪ Review national and regional fisheries legislation across Sub-Regional Fisheries Commission countries (Mauritania, Senegal, Cape Verde, The Gambia, Guinea-Bissau, Guinea, Sierra Leone) and make recommendations on bycatch gaps and how to fill them; and</li><li>▪ Develop a regional bycatch mitigation roadmap.</li></ul>	
2018 - 2019	<a href="#">Wildlife Conservation Society (WCS)</a> Consultant	<a href="#">Dubai, UAE</a>
	<ul style="list-style-type: none"><li>▪ Provide training on the visual identification of shark and ray species products (fins and gill plates) to support the implementation of the Convention on International Trade in Endangered Species (CITES).</li></ul>	
2013 - 2019	<a href="#">International Fund for Animal Welfare (IFAW)</a> Consultant	<a href="#">Dubai, UAE</a>
	<ul style="list-style-type: none"><li>▪ Facilitate capacity building workshops in the UAE, Yemen, Egypt, Mauritania, and Oman for government and customs officials specific to the implementation of shark and ray CITES listings.</li></ul>	
2015 – 2018	<a href="#">Environment Agency – Abu Dhabi</a> Fisheries scientist	<a href="#">Abu Dhabi, UAE</a>
	<ul style="list-style-type: none"><li>▪ Support the coordination and implementation of fisheries assessment and monitoring programs (e.g., research trawl surveys, stake net fishery evaluation);</li><li>▪ Provide technical input and guidance for the effective implementation of the UAE Sustainable Fisheries Program;</li><li>▪ Develop a National Plan of Action for the Conservation and Management of Sharks;</li></ul>	

2013 - 2014

Ministry of Climate Change and Environment  
Fisheries expert

Dubai, UAE

- Organize the first IUCN Red List regional assessment for sharks, rays, and chimaeras in the Arabian Sea and adjacent waters;
- Document fish diversity by developing and setting up the first fish voucher specimen collection in the region;
- Lead the development of scientific research programs focused on the impact of fisheries on commercially important teleost and elasmobranch species.

2008 - 2010

Emirates Marine Environmental Group (EMEG)  
Marine Program Director

Dubai, UAE

- Lead overall strategic direction of marine program and generate research funding;
- Initiate and facilitate new conservation projects in partnership with other environmental groups while maintaining and building strategic liaisons with government agencies and industry at local, regional and international levels;
- Carry out research projects on coral restoration, nesting hawksbill turtles (*Eretmochelys imbricata*), conservation genetics, water quality, waste removal, and impact of development on seagrass beds;
- Develop and promote educational programs, environmental awareness events; and
- Plan, develop, and direct marketing efforts including rebranding, creation of a website, and a corporate portfolio.



## RESEARCH EXPERIENCE

2010 - ongoing

Elasmo Project  
Founder and Lead Scientist

Dubai, UAE

- Set up and/or supervise projects investigating shark and fisheries and trade in shark products in the UAE, Senegal, Mauritania, India, Sri Lanka, Iran, Angola, and Cape Verde;
- Develop landing site and market monitoring protocols to gather data on the diversity, abundance, and distribution of sharks and rays in the region;
- Undertake research through collaborations with regional and international institutions to examine the regional genetic structure of sharks and rays;
- Train customs officers and fisheries enumerators in shark identification, market sampling, fin identification, and data analysis;
- Carry out school and community presentations and workshops to educate stakeholders and the community about the status of sharks;
- Set up the 'YOUR eyes on elasmos' citizen science initiative to promote the reporting of sharks and rays in the Arabian Gulf region.



2018 - 2019	Emirates Nature – World Wildlife Fund	Sharjah, UAE
	<ul style="list-style-type: none"> <li>Lead and coordinate shark and ray assessment surveys on Sir Bu Nair island using Baited Remote Underwater Video Surveys.</li> </ul>	
2017	Shark Population Assessment Group	Florida, US
	<ul style="list-style-type: none"> <li>Participate in NOAA Marine Fisheries field work in the Everglades National Park;</li> <li>Assist in fishery-independent surveys aimed at collecting biological and movement data of sawfishes and juvenile sharks using gillnets and acoustic telemetry.</li> </ul>	
2016 - 2017	Qeshm Island Elasmobranch Project	Qeshm Island, Iran
	<ul style="list-style-type: none"> <li>On-site training and capacity building of project staff for data collection and shark identification.</li> </ul>	
2014 - 2018	Indian Shark Conservation Project	Gujarat, India
	<ul style="list-style-type: none"> <li>Supervise projects aimed at understanding stakeholder involvement in shark fisheries and conservation on the west coast of India;</li> <li>Assess and identify gaps in fisheries and trade data;</li> <li>On-site training and capacity building of project staff, students, and stakeholders for data collection and analysis, shark identification, and database creation.</li> </ul>	
2012	Qatar Ministry of Environment	Doha, Qatar
	<ul style="list-style-type: none"> <li>Develop methodologies for dugong data collection in Qatari waters;</li> <li>Undertake a feasibility study for aerial monitoring of dugongs using gyrocopters.</li> </ul>	
2010 - 2017	Shark Watch Arabia	Dubai, UAE
	<ul style="list-style-type: none"> <li>Assist with field work aimed at assessing the ecology of whale sharks in the Arabian region including regular field trips to Al Shaheen in Qatar, undertaking plankton tows, satellite tagging, and collecting genetic samples;</li> <li>Organize community and stakeholder presentations across the UAE to promote whale shark sightings reporting.</li> </ul>	
2016	UAE Fisheries Resources Assessment Survey	Abu Dhabi, UAE
	<ul style="list-style-type: none"> <li>Work with the New Zealand National Institute of Water and Atmospheric Research to plan and implement a fisheries survey across UAE waters;</li> <li>Participate in trawl and trap surveys and work on deck to sort catches, identify marine organisms, and collect biological data (e.g., gonads, otolith, tissue samples);</li> </ul>	
2007	James Cook University	Townsville, Australia
	<ul style="list-style-type: none"> <li>Study patterns of light availability in intertidal and subtidal seagrass meadows (<i>Halophila</i>, <i>Halodule</i>, and <i>Cymodocea</i> species) from Picnic Bay, Magnetic Island.</li> </ul>	
2007	James Cook University	Townsville, Australia
	<ul style="list-style-type: none"> <li>Study the anatomy of the dugong (<i>Dugong dugon</i>) ear and implications for the management of vessel traffic;</li> <li>Assist in dugong necropsies and head dissections to investigate inner ear structure to photo-document soft tissues and measure external features.</li> </ul>	

2006 - 2007

Reef HQ Aquarium

Townsville, Australia

- Assist aquarists with animal husbandry techniques, feeding, water quality analysis, maintenance of aquarium systems, as well as routine cleaning and upkeep of equipment and husbandry areas;
- Conduct feeding and work ups of juvenile leopard sharks (*Stegostoma fasciatum*) including monitoring and documenting embryo development within egg cases;
- Support the rehabilitation of sick or injured marine turtles.

2006 - 2007

Reef Check Australia

Townsville, Australia

- Train volunteers in coral reef ecology, identifying threats to corals (human impacts and diseases), and monitoring techniques;
- Coordinate, lead, and conduct surveys to identify a range of coral reef organisms, substrates, and invertebrates across the Great Barrier Reef Marine Park.

2003

Bimini Biological Field Station, "Shark Lab"

Bimini, The Bahamas

- Compile and analyze data to assist with research on the diet and prey selectivity of nursery-bound juvenile lemon sharks (*Negaprion brevirostris*);
- Participate in shark tagging and tracking trips; conduct gill and block netting, beam trawling, and seining for prey species and biodiversity studies of mangrove and seagrass communities;
- Collect field data on fish habitat and assist in the identification, measurement and quantification of marine organisms within that ecosystem including the development of a fish bone collection.

2002

White Shark Trust

Gainsbail, South Africa

- Photograph and identify great white sharks (*Carcharodon carcharias*) to determine population structure and dynamics;
- Collect and create database on sex, estimated length, and fin and body markings of observed sharks.

2001

Wild Dolphins Societies, Mote Marine Laboratory

Sarasota, US

- Survey bottlenose dolphin (*Tursiops truncatus*) communities to examine population biology, ecology, habitat use, social structure, and development;
- Analyze human impacts on their health and behavior to assist wildlife management agencies with the conservation of this species in U.S. waters.



## MEMBERSHIPS

2018 - ongoing

IUCN Marine Conservation Committee  
Member

2018 - ongoing

United Nations Convention on Migratory Species – Scientific Council  
Invited expert – Aquatic Wild Meat Working Group

2016 - ongoing

United Nations Convention on Migratory Species -- Sharks MOU  
Invited expert -- Conservation Working Group

2016 - ongoing

United Nations Convention on Migratory Species Sharks MOU Advisory Committee  
Asia region representative -- Advisory Committee

- 2015 - 2018      [UAE Sustainable Fisheries Program](#)  
Member -- Scientific and Technical Committee
- 2013 - ongoing    [IUCN Shark Specialist Group](#)  
Regional Vice-Chair – Indian Ocean Region (since 2016), Member

## PUBLICATIONS

### Books

1. [Jabado RW](#). 2019. Wedgefishes and Giant Guitarfishes: A Guide to Species Identification. *Wildlife Conservation Society (WCS), New York, United States*. 30 pp. [Available in English and French]
2. [Jabado RW](#), Kyne PM, Pollom RA, Ebert DA, Simpfendorfer CA, Ralph GM, Dulvy NK (eds.) 2017. The conservation status of sharks, rays, and chimaeras in the Arabian Sea and adjacent waters. *Environment Agency – Abu Dhabi, UAE and IUCN Species Survival Commission Shark Specialist Group, Vancouver, Canada*. 236 pp.
3. [Jabado RW](#), Ebert D. 2015. Sharks of the Arabian Seas: an identification guide. *International Fund for Animal Welfare (IFAW), Dubai, UAE*. 240 pp. ISBN: 978-9948-18-254-2.
4. [Jabado RW](#), Javelle C. 2013. Marine ecosystems in the United Arab Emirates: an educational resource. *Emirates Foundation, Emirates Marine Environmental Group, Dubai, UAE*. 206 pp.

### Journal publications – International and peer-reviewed

1. Ben-Romdhane H, [Jabado RW](#), Grandcourt EM, Perry RJ, Al Blooshi AY, Marpu P, Ouarda TBMJ, Ghedira H. 2019. Coral reefs of Abu Dhabi, United Arab Emirates: Analysis of management approaches in light of international best practices and a changing climate. *Frontiers in Marine Science*. In press
2. Kyne PM, [Jabado RW](#), Rigby CL, Dharmadi, Gore MA, Pollock CM, Herman KB, Cheok J, Ebert DA, Simpfendorfer CA, Dulvy NK. The thin edge of the wedge: extremely high extinction risk in wedgefishes and giant guitarfishes. *Aquatic Conservation: Marine and Freshwater Ecosystems*. In press
3. Notarbartolo di Sciara G, Adnet S, Bennett M, Broadhurst MK, Fernando D, [Jabado RW](#), Laglbauer BJL, Stevens G. 2019. Taxonomic status, biological notes, and conservation of the longhorned pygmy devil ray, *Mobula eregoodoo* (Cantor, 1849). *Aquatic Conservation: Marine and Freshwater Ecosystems*. 1-19
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- guitarfishes (Chondrichthyes: Elasmobranchii) from south-eastern Arabia, using the NADH dehydrogenase subunit 2 (NADH2) gene. *Zoological Journal of the Linnean Society*, 176(2): 399 – 442.
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## CONFERENCES & WORKSHOPS

2019	<a href="#">International Commission for the Conservation of Atlantic Tunas</a> 26 <sup>th</sup> Regular meeting of the Commission Observer for UNEP-CMS	Mallorca, Spain
	<a href="#">Convention on International Trade in Endangered Species of Flora and Fauna (CITES) Conference of Parties (CoPI8)</a> Conference participant	Geneva, Switzerland

	UN-FAO Guidance on the collection and reporting of use, markets, and market chain information for shark and ray commodities Workshop participant ( <i>Invited</i> )	Cochin, India
	CITES Regional Pre-Conference of Parties coordination workshop Workshop participant ( <i>Invited</i> )	Amman, Jordan
2018	UN-FAO Improve the identification of shark species from shark fin imagery workshop Workshop participant ( <i>Invited</i> )	Vigo, Spain
	IUCN Shark Specialist Group Red List workshop Workshop participant for pelagic species Red List assessments ( <i>Invited</i> )	Dallas, United States
	Illegal Wildlife Trade Conference Conference participant	London, United Kingdom
	1 <sup>st</sup> Abidjan Aquatic Wildlife Partnership Workshop UNEP-CMS representative <i>Presentation:</i> The role of CMS in combatting illegal aquatic wild meat trade	Abidjan, Ivory Coast
	3 <sup>rd</sup> Sharks International Conference Keynote speaker ( <i>Invited</i> ) <i>Presentation:</i> Shark fisheries and trade: Research priorities in data-poor areas	Joao Pessoa, Brazil
	Steering Committee and inception workshop of bycatch action plan <i>Presentation:</i> Policy and advocacy to minimize seabird and sea turtle bycatch in West African fisheries	Dakar, Senegal
	IUCN Shark Specialist Group Red List workshop Workshop participant for sub-equatorial Red List assessments ( <i>Invited</i> )	Grahamstown, South Africa
2017	CMS Sharks MoU Conservation Working Group Workshop participant ( <i>Invited</i> )	Kralendijk, Bonaire
	IUCN Sawfish Strategy Meeting Northwest Indian Ocean representative ( <i>Invited</i> ) <i>Presentation:</i> Sawfishes of the Arabian Seas – a review of records	Atlanta, US
	10 <sup>th</sup> Indo-Pacific Fish Conference <i>Presentation:</i> The conservation status of sharks, rays, and chimaeras in the Arabian Sea and adjacent waters	Tahiti, French Polynesia
	CMS Dugong MoU Meeting of Signatories Workshop participant ( <i>Invited</i> ): Dugong and seagrass research toolkit	Abu Dhabi, UAE
	European Elasmobranch Association Conference Conference participant	Bristol, UK
	CMS Sharks MoU Conservation Working Group Workshop participant ( <i>Invited</i> )	Bristol, UK
	Workshop on shark and ray conservation in the Gulf <i>Presentation:</i> Progress in shark and ray research in the Arabian Seas region	Qeshm Island, Iran
	American Elasmobranch Association Meeting <i>Presentation:</i> The Last Stand of the Critically Endangered Green Sawfish, <i>Pristis zijsron</i> , in the Arabian Gulf?	New Orleans, US

CMS Sharks MoU Meeting of Signatories

San Jose, Costa Rica

Side event: A review of the National Plan of Action for Sharks in the UAE

2015

Indian Ocean Tuna Commission Capacity Building Workshop

Muscat, Oman

Presentation: Shark identification in the Arabian Seas region

Eye on Earth Summit

Abu Dhabi, UAE

Side event: The importance of citizen science for shark research (*Invited*)Fisheries Society of the British Isles Symposium on the  
'Biology, Ecology and Conservation of Elasmobranchs'

Plymouth, UK

Presentation: Batoids landed in the United Arab Emirates artisanal fishery

Poster: Mobulid rays (Chondrichthyes: Mobulidae) from the Arabian seas, with a  
redescription of *Mobula kuhlii* (Valenciennes in Müller & Henle, 1841)

Ecologically or Biological Significant Marine Areas (EBSA)

Dubai, UAE

Workshop participant (*Invited*)

2014

2<sup>nd</sup> Sharks International Conference

Durban, South Africa

Presentation: Arabian sharks: fishing, processing and trade. What's really happening?

Marine Turtle Conservation Project Stakeholders Workshop

Dubai, UAE

Workshop participant (*Invited*)

2013

Consultative Workshop on Transparent and Traceable fishing  
in the Indian Ocean: a call for regional collaboration

Dubai, UAE

Workshop participant (*Invited*)9<sup>th</sup> Indo-Pacific Fish Conference

Okinawa, Japan

Presentation: Status and biodiversity of sharks in the United Arab Emirates

2012

Shark Conservation in Arabia Workshop

Dubai, UAE

Presentation: The shark fishery and trade from the United Arab Emirates (*Invited*)

IUCN SSC Specialist Group Chairs meeting

Abu Dhabi, UAE

Keynote presentation: Sharks in the United Arab Emirates (*Invited*)

Coral reefs of the Gulf conference

Abu Dhabi, UAE

Conference participant (*Invited*)

2011

15<sup>th</sup> European Elasmobranch Association

Berlin, Germany

Presentation: The shark fishery and fin trade in the United Arab Emirates

2<sup>nd</sup> International Marine Conservation Congress (IMCC)

Victoria, Canada

Presentation: Sharks of the United Arab Emirates: an investigation based on fishermen  
interviews and market surveys

The state of the Gulf ecosystem: functioning and services

Kuwait City, Kuwait

Poster: The characteristics of the shark fishery in the United Arab Emirates

2010

14<sup>th</sup> European Elasmobranch Association

Galway, Ireland

Presentation: The status of sharks in the United Arab Emirates

30<sup>th</sup> International Sea Turtle Symposium

Panaji, India

Presentation: The status of sea turtles in Dubai, UAE

Biodiversity Conservation in the Arabian Peninsula

Sharjah, UAE

Conference participant (*Invited*)



2009	10 <sup>th</sup> Arabian Whale Shark Symposium and Workshop Workshop participant ( <i>Invited</i> )	RW Jabado Fujeirah, UAE
	1 <sup>st</sup> International Marine Conservation Congress (IMCC) Conference participant	Fairfax, US
	United Nations University (INWEH) Workshop participant ( <i>Invited</i> ): Marine and coastal environmental monitoring methods; fish censuses, water quality sampling, laboratory analysis.	Dubai, UAE
	Offshore Arabia 2009, Conference and Exhibition Workshop participant ( <i>Invited</i> )	Dubai, UAE
2008	TOTAL Foundation – Marine Turtle Conservation Workshop Workshop participant ( <i>Invited</i> )	Muscat, Oman
	Regional Symposium: Biology, Assessment, and Management of Groupers Symposium participant ( <i>Invited</i> )	Abu Dhabi, UAE



## RESEARCH GRANTS, FELLOWSHIPS, AND AWARDS

2020-2021	Save Our Seas Foundation Fellowship
2019-2021	Pew Fellowship in Marine Conservation
2018-2019	Shark Foundation
2017	Save Our Seas Foundation
2017	Convention on Migratory Species (CMS) Sharks MoU Small Grants and International Fund for Animal Welfare
2015	Emirates Diving Association
2014	Convention on Migratory Species (CMS) Sharks MoU and International Fund for Animal Welfare
2014	Emirates Natural History Group
2013	Save Our Seas Foundation
2013	Institute of International Education
2012	Bish Brown Award
2012	Ford Motor Company Conservation and Environmental Grants
2012	Emirates Marine Environmental Group
2011	Emirates Natural History Group
2010	United Arab Emirates University
2010	Emirates Foundation



## MENTORSHIP AND KNOWLEDGE TRANSFER

### Mentorship

2019 - ongoing	<i>Assessing the status of giant guitarfishes (<i>Glaucostegus</i> sp.) and the role of coastal habitats in their life histories in Andaman Islands, India</i>
2019 - ongoing	<i>Habitat utilization, diversity, and demographic population structure of elasmobranchs along mangroves in Abu Dhabi</i>
2018 - ongoing	<i>Data on sharks and rays from landing site surveys on Qeshm Island, Iran</i>
2017 - 2019	<i>The shark fishery in the Andaman and Nicobar Islands, India</i>



2016 - ongoing	<i>Investigating artisanal shark and ray fisheries in Angola</i>
2016 - ongoing	<i>Safeguarding elasmobranch diversity to ensure the sustainability of Iranian fisheries and their value chain</i>
2016 - 2018	<i>Assessing the impact of the Hadrah (stake-net fishery) on commercially important fish stocks in the UAE</i>
2014 - 2016	<i>Understanding stakeholder involvement in shark fisheries and conservation on the northwest coast of India</i>
2014 - 2015	<i>Population characteristics, demography and morphometric relationships of the most abundant species of sharks captured by gill and trawl nets in the landing sites of Porbandar, Gujarat</i>

### Knowledge transfer

2019	Workshop on CITES Implementation for Sharks and Rays Training in species identification and shark and ray product identification.	Dakar, Senegal
2019	Workshop on CITES Implementation for Sharks and Rays Training in species identification and shark and ray product identification.	Male, Maldives
2019	Workshop on CITES Implementation for Sharks and Rays Training in species identification and shark and ray product identification.	Mombasa, Kenya
2018	Workshop on CITES Implementation for Sharks and Rays Training in species identification and shark and ray product identification.	Jakarta, Indonesia
	Regional Workshop on CITES Implementation for Sharks and Rays Training in species identification and shark and ray product identification.	Muscat, Oman
2017	Workshop on Fish Identification and Developing a Fish Collection Training in fish identification, fish preservation, and cataloging specimens.	Abu Dhabi, UAE
	CITES Implementation Workshop Training in CITES listed marine species and shark fin identification.	Muscat, Oman
2016	Elasmobranchs in the Gulf Training Workshop Fisheries data collection methods and guidelines, shark identification.	Qeshm island, Iran
	Workshop on Fisheries Data Collection Fisheries data collection methods and guidelines, shark identification.	Abu Dhabi, UAE
	Workshop on Data Collection Methods during Trawl Surveys Training in fish identification, collection of biological data and genetic samples.	Abu Dhabi, UAE
2015	CITES and the Illegal Trade in Marine Species Training in CITES listed marine species and shark fin identification.	Muscat, Oman
	Regional Observer Scheme Evaluation, Training and Planning Workshop Fisheries data collection methods and guidelines, shark identification.	
2014	Curbing Illegal Wildlife Trade Workshop Training in CITES implementation and shark and ray product identification.	Nouakchott, Mauritania
	Training Workshop on Sharks and Other Marine Species Trafficking Training in shark and ray product identification.	Dubai, UAE

	Training Workshop on Shark Data Collection	Mumbai, India
	Training in shark and ray identification, collection of biological data.	
2013	Regional Workshop on the Illegal Trafficking of Marine Species	Hurghada, Egypt
	Training in species identification and shark and ray product identification.	
	Curbing Illegal Wildlife Trade Workshop	Mukalla, Yemen
	Training in CITES implementation and shark fin identification.	
2012	Shark Conservation in Arabia Workshop	Dubai, UAE
	Training in shark fin identification.	
2011	Workshop on Fisheries Data Collection	Abu Dhabi, UAE
	Fisheries data collection methods and guidelines, shark identification.	



## PROFESSIONAL SERVICE AND LANGUAGE SKILLS

### Peer-review (journals and grant proposals)

- Wiley – Conservation Science and Practice: Handling Editor (2018-2019)
- Nature Publishing Group -- Scientific Reports
- Wiley-Blackwell -- Conservation Biology, Conservation Letters, Journal of Fish Biology, Aquatic Conservation: Marine and Freshwater Ecosystems, North-American Journal of Fisheries Management, Animal Conservation
- Elsevier -- Global Ecology and Conservation, Regional Studies in Marine Science
- Springer -- Marine Biodiversity Records, Fisheries Research, Environmental Biology of Fishes, Reviews in Fish Biology and Fisheries
- Inter-Research -- Endangered Species Research
- Taylor and Francis -- Human Dimensions of Wildlife, African Journal of Marine Science, Aquatic Ecosystem Health and Management
- Frontiers – Frontiers in Marine Science
- Cambridge University Press -- Journal of the Marine Biological Association of the United Kingdom
- MBI & UNS Solo -- Journal of Biological Diversity
- Iranian Fisheries Research Organization – Iranian Journal of Fisheries Research
- Convention on the Conservation of Migratory Species -- Small Grants Program
- Zoological Society of London – Edge Fellowship Program
- Marine Conservation Action Fund

### Languages

- |                          |                     |
|--------------------------|---------------------|
| ▪ English, French        | Mother tongue       |
| ▪ Arabic, Greek, Italian | Fluent/Intermediate |

**ANNEX 2**

**NOMINATION OF DR FERNANDO SPINA FOR THE ROLE OF  
COP-APPOINTED COUNCILLOR – CONNECTIVITY/NETWORKS**

*(submitted by the Government of Italy)*

## Marco Barbieri

**From:** De Cristofaro Vittorio <DeCristofaro.Vittorio@minambiente.it>  
**Sent:** Friday, 10 January 2020 11:52  
**To:** 'CMS Secretariat'; 'Marco Barbieri'; Vittoria Semplici (Affiliate)  
**Cc:** Giarratano Maria Carmela; Duprè Eugenio; 'spina'  
**Subject:** Nomination of Candidates for the New COP-appointed Councillor Subject Areas: Connectivity/Networks Area. Proposal for Dr. Fernando Spina, Italy  
**Attachments:** Fernando Spina CV CMS COP Appointed Councillor Connectivity.pdf; FSpina CMS COP-appointed councillor connectivity personal perspectives.pdf

Dear Sirs,

Italy plays a key role for animal migration between Eurasia and Africa. From insects to birds, from bats to marine mammals, the skies, landmass, islands and seas of our country are major components of different migratory systems involving huge numbers of individuals.

The perspective of Italy as the natural bridge across the Mediterranean is deeply rooted in our national environmental culture and wildlife research, and is the baseline on which a special attention to connectivity has featured the contribution Italy has offered, during the last decade, to CMS in increasing awareness and profile of connectivity when considering trans-national conservation strategies of migratory species.

Given this strong interest, Italy welcomes the proposal, supported by the CMS Standing Committee and Sessional Committee of the Scientific Council, to submit to the forthcoming CMS COP13 a proposal to have a new position for a CMS COP-appointed Councillor on connectivity and networks.

Italy expresses his full endorsement for Dr. Fernando Spina to be considered, if the deciding bodies would consider this new position of COP-appointed Councillor on connectivity/networks, to take responsibility for this role. This endorsement is based on the concrete experience of the enduring commitment and capability of Dr. Spina in proposing new approaches and involving experts in working together within and with CMS to foster new frontiers in conservation strategies.

In particular, Dr. Spina has proposed and contributed to organize, thanks to the support of the Po Delta Veneto Regional Park, the two scientific seminal workshops CMS has held on connectivity, supporting the participation of top specialists in this new frontier of conservation science. The results of these workshops have been instrumental to leading to CMS Resolution 12.26 and CMS Decisions 12.91 to 12.93 on *"Improving Ways of Addressing Connectivity in the Conservation of Migratory Species"*. These documents have framed the strong and direct interest of CMS in connectivity, given the biological, environmental and functional value exemplified by migratory connectivity, at the same time fully considering the ensuing need for political and legislative "connectedness" among countries sharing same migratory systems.

When considering bird migratory systems between Eurasia and Africa as excellent examples of the need for a scientifically sound approach to the description, quantification and monitoring of connectivity across countries, habitats and sites, as well as to the related implementation of sustainable policies of conservation and use of these populations and species, Dr. Spina has actively been involved with our Ministry during the process which has, more recently, led Italy to the decision of fully supporting, with a major pledge of 1M Euros to CMS, the realization of the Eurasian African bird migration atlas.

During many years now, Italy has supported CMS activities also through allowing our National Scientific Councillor, later Chair of the CMS Scientific Council Dr. Fernando Spina to offer, through his working time, his expertise and enthusiasm to these developments of CMS activities and strategy, with special attention to connectivity. Italy confirms Dr. Spina would be supported in all possible ways to offer his experience, knowledge and vision to further develop connectivity in the CMS agenda.

Thank you for your consideration.

Best regards.

Vittorio De Cristofaro – CMS national focal-point



MINISTERO DELL'AMBIENTE  
E DELLA TUTELA DEL TERRITORIO E DEL MARE

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L'allegato **CV FERNANDO SPINA.zip (34.9 MB)** è stato parcheggiato. Può essere scaricato [qui](#).

Monterenzio, 20.12.2019

To the Secretariat of the Convention on the  
Conservation of Migratory Species of Wild Animals  
cms.secretariat@cms.int

copy to

Dr. Marco Barbieri  
marco.barbieri@un.org  
Dr. Vittoria Semplici  
vittoria.semplici@un.org

**New COP-appointed Councillor subject areas recommended by the Sessional Committee of the Scientific Council for the period COP13-COP15. Connectivity/Networks Area. Reasons for interest and personal perspectives.**

Since my first proposal to CMS few years ago to give a special profile to this key aspect of the biology of migratory species, I always regarded connectivity as the keyword of the Convention on Migratory Species of Wild Animals. With their regular and predictable migratory journeys, animals moving across space and time connect continents, countries, sites, habitats as well as environmental policies. Only through the proper understanding of connectivity can we maximize our efforts to conserve migrants. The reason for this is that connectivity is the baseline to understand how migratory systems are functionally structured for the different species and how these animals make use of the different environmental components of these systems. Hence, when planning to improve existing networks of protected areas, or selecting new sites to be protected, as well as when deciding for models of sustainable use of populations and defining international policies to conserve and manage migratory species, connectivity is a crucial aspect CMS is considering with an innovative and special attention.

I would be enthusiastically ready to offer all my professional experience and knowledge to serve CMS if I were selected for the role of COP-appointed councillor on connectivity and networks. I have been deeply involved in wildlife conservation all throughout my life, primarily on birds, and sound applied research has always been my approach to identify, prioritize and implement conservation actions on the ground. My main subject of interest having been represented by migratory birds, connectivity has naturally been a general perspective influencing my large-scale, long-term and multi-species national and international projects and analyses.

My long involvement with CMS, as Party appointed Scientific Councillor first, then Chair of the CMS Scientific Council during three terms, has further improved my scientific knowledge of connectivity as a crucial factor for the conservation of migratory species. Furthermore, my role in the Scientific Council has offered me a direct and deep knowledge

of the internal functionality of the Convention, of decision mechanisms and processes and negotiation strategies and skills, also thanks to the opportunities I have had to chair, beyond the meetings of the Scientific Council/Sessional Committee, a CMS COP (COP9), a MOP (AEWA6), a MOS (Sharks MoU 1), as well as meetings of species and multi-species action plans.

I also have a very good "portfolio" of direct personal contacts not only within the CMS Family but also within the larger arena of the MEAs and of the international scientific community. These contacts and links are important when it comes to collect updated scientific information directly through top scientists and research groups, as well as when steering involvement of the various components of the CMS constituency in developing and implementing the important decisions CMS has already formally taken on connectivity and networks.

Resolution 12.26, which I have intensively worked for, is a milestone initiative by CMS which sets the scene for the Convention playing an innovative and leading role on connectivity in the post-2020 agenda and within the other MEAs. I would be honored being offered the opportunity to further contributing in flagging connectivity for CMS if COP13 would decide for a new position of COP-appointed Councillor.

A handwritten signature in dark ink, reading "Fernando Spina". The signature is written in a cursive, flowing style with a horizontal line underneath the name.

Fernando Spina

Fernando Spina, Chair, CMS Scientific Council [fernando.spina@isprambiente.it](mailto:fernando.spina@isprambiente.it)

## Fernando Spina

### Curriculum vitae



1. **Education, position.** Born in Spoltore (Pescara, Italy) on 5.4.1955. Since a boy has had a strong interest in Nature conservation and birds in particular. In the '70ies has been involved in awareness activities for WWF in his home Region and town. In 1974 has got HS Diploma *cum laude* at the Liceo Scientifico "Leonardo da Vinci" in Pescara. In 1979, has got a Master II level Degree *cum laude* at the University of Parma with a Thesis "*The role of the Island of Montecristo for bird migration across the Mediterranean*". In the second half of the '70ies has worked for LIPU BirdLife Italy in Parma. Has been chief editor of the LIPU Magazine *ALI* and coordinator of the research and projects branch. For LIPU, has been in charge of the protection camp to safeguard one of the main Italian colonies of Eleonora's Falcon *Falco eleonora*e on the island of San Pietro (Sardinia). The protection campaign led to a complete stop of previous poaching activities and the colony grew from ca. 65 to ca. 100-110 breeding pairs. The colony is still monitored by LIPU and a dedicated Nature Reserve has been established in the area. Since 1979 has acquired specific expertise in the study of bird migration through involvement in research activities of the group led by Prof. Peter Berthold at the Max-Planck-Institut Vogelwarte Radolfzell (Germany). In 1982 has scored first at a national contest for permanent scientist positions at the former Istituto Nazionale per la Fauna Selvatica (National Wildlife Institute INFS, now Istituto Superiore per la Protezione e la Ricerca Ambientale ISPRA). Since assignment has been head of the Italian Bird Ringing Centre. Since 1993 has led the Unit "Bird ringing and bird monitoring centre"; since 2010 the "Bird migration research branch" with 15 permanent staff. Since 1995 is Head of Science at ISPRA and holds the only existing VII level position within the overall 1,200 ISPRA staff.

## 2. Activities, IBRC, EURING

- a. **Italian Bird Ringing Centre.** Since assignment at ISPRA has worked to better understand the role of Italy within the Palaearctic-African migration system and provide a sound scientific basis to conservation policies. Has been involved in research and consultancy on bird migration and bird conservation policies, with a special emphasis on the implementation of MEAs in Italy and particularly of the EU "Birds Directive" 2009/147/CE. As head of the Italian Bird Ringing Centre (1982-2017), the number of licensed ringers has raised from ca. 60 in 1982 to the present 435 (+375 between trainees and helpers). Annual national ringing totals have raised from ca. 60,000 in 1982 to the present over 250,000. A fully computerised Oracle database has been developed, hosting today over 7.5M ringing data and 235,000 recoveries. The contents of this major database have been used also for producing the Italian Migration Atlas he has conceived and planned, thanks to the support offered by the Italian Ministry of the Environment, and has and co-authored by writing texts and English summaries. This national migration atlas is fully accessible on the web at [http://www.isprambiente.gov.it/en/publications/luxury-publications/introduction-to-the-italian-bird-migration-atlas/view?set\\_language=en](http://www.isprambiente.gov.it/en/publications/luxury-publications/introduction-to-the-italian-bird-migration-atlas/view?set_language=en).



Has introduced a 3-level permit licensing system, organised and led national ringing courses and introduced ringing exams to test trainees applying for their first license, as well as already licensed ringers wishing to move to higher permit levels. Since 1986 has lunched biannual national ringers' meetings with an average attendance of ca. 250 and two foreign keynote speakers whose talks he has always translated. Since 1990 has been able to have 12 such meetings fully funded by local hosting Agencies. Deeply convinced of the potential of networks of coordinated ringing sites for bird research, monitoring and conservation, has launched large-scale and long-term ringing projects. Since 1988, the "*Progetto Piccole Isole*" (PPI, Small Islands Project) is targeted to the study of return movements of birds from Africa into Europe across the Mediterranean. The project has involved 48 sites in 7 countries, over 800 volunteer ringers and allowed ringing over 1.5M birds belonging to 214 species. The project has led to the description of species-specific migratory routes, ecological requirements of staging migrants, the identification and connectivity of key sites for bird conservation in the Mediterranean and the institution of new protected areas. So far the project has produced over 50 scientific papers. On the small island of Ventotene, where he has personally coordinated ringing activities since 1982, has conceived the idea of converting an old military building into a bird migration museum and bird observatory. He could get local Regional and EU funds and the opening of the Ventotene Bird Migration Museum took place in June 2006. Based on data gathered through the PPI project, the island of Ventotene has been identified as a new SPA and protected as a National Nature Reserve. Since 1994 has launched the "*Progetto Alpi*" on post-breeding migration of birds across the Italian Alps. Together with MUSE (Trento Natural History Museum), he coordinates a network of 30 sites across the Italian Alps, through the involvement of over 100 ringers and more than 430,000 ringed birds. The project has been important to understand general spatio-temporal migration patterns, connectivity between the Alps and the breeding areas of origin of passage migrants as well as to identify mountain passes to be protected. Both the *Progetto Piccole Isole* and the *Progetto Alpi* are based on stations which benefit from financial support offered by local Agencies.

- b. **EURING.** As representative of the Italian Ringing Centre has been active within EURING (The European Union for Bird Ringing, [www.euring.org](http://www.euring.org)). In 1984 has hosted the EURING Assembly in Italy, in 1987 has been elected to the EURING Board and has been EURING Chair between 1995-2005 (see All. 24). EURING coordinates 38 National Ringing Centres in Europe and a number of associated Centres outside Europe. EURING activities are carried on thanks to the involvement of over 10,000 licensed and volunteer ringers in Europe. As EURING Chair has introduced a EURING Newsletter and launched a 5-year large-scale project on the Barn Swallow *Hirundo rustica*, involving 25 countries, over 550 ringers and >1M ringed swallows. The project has significantly increased the knowledge of migration strategies of the species and has stimulated research activities also in Africa, with active conservation actions at key winter roost sites in Nigeria, Central African Republic, Botswana, South Africa. The project has produced papers on migration and connectivity, on fattening strategies of swallows moving from Europe into Africa and on swallow responses to climate change through northwards shifting of the sub-Saharan wintering quarters and reduction of the overall return migration distance. During his term as EURING President has chaired three EURING General Assemblies and has negotiated the move of the EURING Data Bank (<http://www.euring.org/edb/index.html>) from the Netherlands to the BTO in the UK, where it is now hosted. In 2009 has hosted the EURING Analytical Meeting and EURING General Assembly in Italy, with representatives from 33 countries.

### 3. Roles at the national and international level

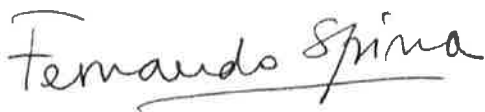
a. **Roles at the national level.** In the period 2004-2017 has been included in the national register of Directors of Parks and Nature Reserves. In 2006 has been member of the national task force on avian influenza. In 2006 has been in charge of the working group for the environmental impact assessment of the planned bridge across the Strait of Messina for the avian component and has coordinated field activities also through involvement of bird radar experts from the Schweizerische Vogelwarte; has led the production of the three final reports. In 2010 has coordinated the involvement of the ISPRA bird migration group in activities carried out by LIPU BirdLife Italy for the evaluation of the conservation status of birds in Italy. This project led by LIPU has been a pilot example also at the European level. In 2011 has been appointed chair of the national working group on conservation status of huntable species in Italy. Since 2013 the research group he coordinates has produced the national reports on art. 9 and 12 of the EU Birds Directive and art. 17 of the Habitats Directive. In 2009-2010 has been national Board member of WWF Italy.

b. **Roles at the international level.**

- i. **International Ornithologists' Union.** Is a member of the International Ornithologists' Union (former International Ornithological Committee, IOC) since 1990. Has been a member of the Scientific Committees of the XXII and XXIV International Ornithological Congresses (Durban 1998; Hamburg 2006). Has chaired the Scientific Program Committee of the XXIII International Ornithological Congress (Beijing, China 2002), with 10 plenaries, 40 symposia with 200 contributed papers, 470 posters, 19 RTDs. Has been chair of the Nomination Committee of IOU and has been founder and is co-chair of the IOU Coordination Committee on Bird Marking.
- ii. **European Ornithologists' Union.** In 1997 has raised funds for and has coordinated the founding congress of the European Ornithologists' Union (EOU, Bologna), with 246 delegates from 28 countries, 8 plenary talks, 35 symposia papers and over 300 posters; has been Italian representative on the EOU Board between 1999-2003 (See All. 21).
- iii. **EU ORNIS Scientific Working Group.** Between 1998-2004 has been Italian representative within the EU ORNIS Scientific Working Group, the scientific advisory body for the implementation of the EU Birds Directive. Within this committee has been member of the restricted working group drafting the "*Guidance document on hunting under the Birds Directive*". In his role of Italian representative has produced detailed scientific analyses on the definition of the onset of return movements of birds across Italy. These analyses have been included, by the Italian Ministry of the Environment, in the "*Key Concepts document on Period of Reproduction and prenuptial Migration of huntable bird Species in the EU*". In 2018-2019 has been involved in the process of revision of the scientific contents of this document.
- iv. **Convention on the Conservation of Migratory Species of Wild Animals ([www.cms.int](http://www.cms.int)).** Has been representative of the Italian Government within the Scientific Council of CMS for over 10 years. In December 2008 has been appointed by the Italian Government as Chair of CMS COP9, hosted in Roma, where he has been fully involved in complex negotiations on listing proposals. In 2011 the 17<sup>th</sup> meeting of the CMS Scientific Council elected him as Chair (see All. 10). Between 2012 and 2019 has chaired all meetings of the Scientific Council and, later, of the Sessional Committee of the Scientific Council. In 2012 has been chair of the First meeting of Signatories of the CMS MoU on migratory sharks (see All. 14, 14a), where an

international conservation plan has been adopted through negotiations between the fisheries community and conservation stakeholders. He is a member of the CMS working groups on: Flyways, Bird poisoning, Migratory Landbirds in the African/Eurasian Region, Climate Change, Strategic Plan, MIKT. Has contributed to negotiations on the listing of the Saker Falcon at COP9 and COP10 and has joined meetings of the Saker Falcon Task Force. In 2011 has been a member of the UNEP/CMS Thesis Award Jury. In 2012 has been shortlisted for the position of CMS Executive Secretary. Has represented CMS at plenary meetings of IPBES and has drafted two proposals CMS submitted to IPBES for global assessments. Has produced the original proposal for cooperation between CMS and UNCCD aimed at using migratory birds as indicators of the effects of the UNCCD schemes to prevent soil erosion on migratory species and connectivity between Africa and sub-Saharan Africa. In 2013 could raise funds and has organised and chaired a strategic and planning meeting of the CMS Scientific Council in Formia (Italy); during that meeting he presented a seminal proposal for CMS to give a special profile to migratory connectivity both from the biological and applied/political perspective. At that meeting he chaired the Sixth Meeting of the Chairs of the Scientific Advisory Bodies of the Biodiversity-related Conventions, and the CMS Ad-hoc meeting on Harmonization of Bird Taxonomy (see All. 14). He also proposed and organised, back-to-back with the same meeting, the first workshop organised in Italy on *"Migratory species as a strategic resource for the economy of local communities"*. In 2014 has been involved in the activities of the national Delegation at CMS COP11, where Italy has represented the EU during the Italian Semester of Italian EU Presidency (see All. 17). In 2015 and 2017, respectively, has put forward a proposal to the Veneto Po Delta Regional Park to fund and host two CMS workshops on connectivity which have developed the theme *"A single Earth: migratory animals connect the Planet"* (see All. 14). After the second workshop he has coordinated the production of Doc. UNEP/CMS/COP12/Inf.20 *"Migratory animals connect the Planet: the importance of connectivity as a key component of migration systems and a biological basis for coordinated International conservation policies"*. The two workshops led to the approval, by CMS COP12, of UNEP/CMS/Resolution 12.26 on *"Improving ways of addressing connectivity in the conservation of migratory species"*. In 2015 has been appointed as chair of the 6<sup>th</sup> Meeting of the Parties to the Agreement on the Conservation of African-Eurasian Migratory Waterbirds AEWA MOP6 (see All. 14, 15). In 2017 has been appointed as chair of the overarching meeting for the CMS *Multi-Species Action Plan to conserve African-Eurasian Vultures*, Toledo, Spain. In 2014 has joined the CMS Scientific Council Workshop on conservation implications of Cetacean culture. Based on this experience, in 2018 could get support from the Apennine National Park to organize a first across-taxa CMS workshop on animal culture and social complexity (see All. 26). The results of this workshops have led to a scientific paper on Science (Brakes *et al.*, 2019, Science 6432, issue 363). In 2019 has had an active role in the organization of the Third joint CMS-Berne Convention meeting on Illegal Killing, trapping and trade of wild birds (Castelporziano, Rome, May 2019). Has proposed to offer operatic concerts to celebrate CMS-AEWA World Migratory Bird Day events through the involvement of the Bologna operatic choir *Corale Lirica San Rocco*, within which is one of the tenors. During six years, concerts have been organized in Bonn (4 years) and Bologna (2 years, see All. 31); these benefit concerts have raised funds for various CMS-AEWA conservation projects on migratory birds.

- v. **Various.** In 1989 has been invited to take the position of Assistant Director Waterbirds at the former IWRB (International Waterbird Research Bureau) at Slimbridge (UK); this position could not be taken due to ongoing commitments for the Italian Bird Ringing Centre. Has been a member of the Steering Committee of the European Science Foundation "*Network Project on songbird migration*" (see All. 25); within the project activities has hosted the first technical workshop on the standardisation of ringing field methods in Europe. Has been one of the 5 members of the Editorial Committee of the Oxford University Press "*Birds of the Western Palaearctic Update*" and a member of the Scientific Committee of the US National Science Foundation Program "*Migrate*". In 2018 has been selected by the Secretariat of the Convention on Biological Diversity to serve as chair of the Regional Bio-Bridge Initiative Round Table for Western Europe and Others Group (WEOG, Bruxelles September 2018, see All. 27). Since 2000 is Corresponding Fellow of the Amerinal Ornithologists' Union.
4. **Scientific papers.** Has published over 100 scientific papers, main subjects are bird migration, spatio-temporal migration patterns, migratory connectivity, ringing recovery analyses, migration physiology, stopover ecology of migrants, migratory birds conservation, responses of migratory birds to climate change. Among the international journals: *American Journal of Physiology*, *Ardea*, *Ardeola*, *Auk*, *Behavioural Ecology*, *Behavioural Ecology and Sociobiology*, *Biological Journal of the Linnean Society*, *Biology Letters*, *Biological Reviews*, *Climate Research*, *Condor*, *Die Vogelwarte*, *Ecology Letters*, *Functional Ecology*, *Ibis*, *Italian Journal of Zoology*, *Journal of Avian Biology*, *Journal of Evolutionary Biology*, *Journal of Experimental Biology*, *Journal of Ornithology*, *Journal of Zoology*, *Molecular Phylogenetics and Evolution*, *Ornis Svecica*, *Ostrich*, *Ringing and Migration*, *Science*, *The Torgos*, *Var Fagelvarld*, *Vie et Milieu*, *Wildlife Biology*.
5. **Languages:** excellent command in English (written and spoken), good command in French and Spanish (spoken).
6. **Congresses.** Has been invited speaker at over 50 international congresses, meetings and workshops. Has been invited to offer the "*Witherby Lecture*" at the 2009 British Trust for Ornithology conference to celebrate 100 years of bird ringing in the UK (see All. 29). In 2010 has been invited as keynote speaker at the Deutsche Ornithologen-Gesellschaft DO-G congress to celebrate 100 years of bird ringing in Germany. In 2010 has been invited as keynote speaker at the Conference to celebrate 100 years of bird ringing in Germany, organized by the *Deutsche Ornithologen-Gesellschaft DO-G* (Helgoland). In 2013 has been invited by the Finnish Museum of Natural History as keynote speaker at the congress to celebrate 50 years of bird ringing in Finland. In 2019 has been invited as keynote speaker by the Finnish Museum of Natural History as keynote speaker at the congress to celebrate the 50<sup>th</sup> Finnish ringers' meeting.



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Monterenzio, 20.12.2019

Attachments: n. 12

## FERNANDO SPINA – SCIENTIFIC PUBLICATIONS

### 1978

1. FRUGIS S., SPINA F., ZANICHELLI F., 1978 - La biologia riproduttiva del Mignattino piombato *Chlidonias hybrida*. **Boll. Zool.** 45: 23.
2. SPINA F., 1978 - Dati sulla biologia del Pellegrino *Falco peregrinus* all'Isola di Montecristo. **Avocetta**, new series 2: 19-34.

### 1981

3. BACCETTI N., FRUGIS S., MONGINI E., SPINA F., 1981 - Rassegna aggiornata sull'avifauna dell'Isola di Montecristo. (Studi sulla Riserva Naturale dell'Isola di Montecristo XXIX). **Riv. ital. Orn.** 51: 191-240.
4. BOLDREGHINI P., MONTANARI F., SPINA F., 1981 - Distribuzione e stato del Mignattino piombato (*Chlidonias hybrida* Pallas) in Emilia-Romagna, pp. 31- 36. In: A. Farina, Edit. **Atti I Convegno Italiano di Ornitologia**. Aulla: Tipografia Ambrosiana, 395pp.
5. SPINA F., 1981 - Note sul comportamento riproduttivo del Falco della Regina (*Falco eleonorae* Gene') in Sardegna, pp. 195-201. In: A. Farina, Edit. **Atti I Convegno Italiano di Ornitologia**. Aulla: Tipografia Ambrosiana, 395pp.

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6. ARCAMONE, E., BACCETTI N., MAINARDI R., F. SPINA. 1982. Nidificazione della Pernice di mare *Glareola pratincola* in Toscana. **Riv. ital. Orn.** 52 (3-4): 187-190.
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8. SPINA F., 1982 - Contribution to the breeding biology of the Wiskered Tern (*Chlidonias hybrida* Pallas) in Val Campotto (Northern Italy). **Avocetta**, new series, 6: 23-33.
9. SPINA F., 1982 - Note ornitologiche dalle Isole Tremiti. **Riv. ital. Orn.** 52 (1-2): 110-118.

### 1985

10. BACCETTI N., FRUGIS S., MONGINI E., PIACENTINI D., SPINA F. - 1985. Osservazioni sul peso di Beccafichi *Sylvia borin* in transito in diverse aree italiane. **Riv. ital. Orn.** 55(3-4): 171-179.
11. SPINA F., PIACENTINI D., FRUGIS S. - 1985. Vertical distribution of Blackcap *Sylvia atricapilla* and Garden Warbler *Sylvia borin* within the vegetation. **J. Orn.** 126 (4): 431-434.
12. SPINA F., SCHENK H., MASSA B. - 1985. Status and conservation of Eleonora's Falcon in Italy. **Conservation Studies on Raptors, Proceedings of the II World Conference on Birds of Prey**. I.C.B.P. Special Publications No. 5: 143-146.

### 1986

13. SPINA F., 1986 - Baltic birds through the Mediterranean. Some aspects of bird conservation in Italy. **Proceedings of Baltic Birds IV. Var Fagelv. Suppl.** 11: 207-210.
14. SPINA F., 1986 - Mignattino piombato (*Chlidonias hybridus*). In: Fasola M. (Edit.), Distribuzione e popolazione dei Laridi e Sternidi nidificanti in Italia. **Suppl. Ric. Biol. Selvaggina** X: 121-127.
15. A. M. AVANZATI , F. BERNINI , R. PETRUCCI , B. BACCETTI , M. BENAZZI , G. NASCETTI , L. BULLINI , P. G. BIANCO , E. CAPANNA , M. V. CIVITELLI , L. MAGGINI , L. MANZELLA , P. CERVELLA , L. RAMELLA , C. ROBOTTI , G. SELLA , O. COBROR , G. ODIERNA , E. OLMO , M. DELL'AGATA , G. PANNUNZIO , C. PANTANT , A. TEICHNER , A. FERRACIN , M. G. FILIPPUCCHI , T. LETTINI , E. VACCA , F. POTENTE , V. PESCE DELFINO , B. MANTOVANI , M. MAZZINI , V. SCALI , L. BULLINI , M. MAZZINI , E. GAINO , I. NARDI , F. AHDROMICO , S. DE LUCCHINI , R. BATISTONI , M. CAPULA , B. LANZA , C. ORTENZI , A. VALBONESI , P. LUPORINI , G. L. PESCE , D. P. GALASSI , R. RICCO , O. PICARIELLO , G. SCILLITANI , E. RANDI , B. RAGNI , E. RANDI , F. SPINA , B. ROSSARO , A. M. SIMONETTA , M. L. MAGNONI , R. VALVASSORI , M. DE EGUILEOR , L. DI LERNIA , G. MELONE , G. SCARI' , S. ZERUNIAN , V. ROSSI , G. FRANZINI & G. GIBERTINI TO CITE THIS

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#### 1987

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17. **SPINA F.**, SCAPPI A., BERTHEMY B., PINNA G., 1987 - The diet of Eleonora's Falcon (*Falco eleonora*) in a colony of the Western coast of Sardinia with some remarks on the migration of small Passerines through the Mediterranean. Atti del III Colloquio Internazionale sui Rapaci Mediterranei. **Suppl. Ric. Biol. Selvaggina** X: 235-252.

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18. BACCETTI, N., FARRONATO I., RANDI E., **SPINA F.**, A. TORRE. 1988. Contributo alla conoscenza dello status dell'Uccello delle tempeste *Hydrobates pelagicus*, in Italia. **Riv. ital. Orn.** 58(3-4): 197-198.
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22. RANDI E., **SPINA F.**, MASSA B., 1989 - Genetic variability in Cory's Shearwater (*Calonectris diomedea*). **The Auk** 106: 411-417.

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23. **SPINA F.**, 1990 - First data on complete summer moult of the Great Reed Warbler (*Acrocephalus arundinaceus*) in Northern Italy. **J. Orn.** 131: 177- 178.
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25. RANDI E., FUSCO G., LORENZINI R., **SPINA F.**, 1991 - Allozyme divergence and phylogenetic relationships within the *Strigiformes*. **The Condor** 93: 295- 301.

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#### 1993

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#### 1994

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#### 1995

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Monterenzio, 20.12.2018

Dott. Fernando Spina





# Convention on the Conservation of Migratory Species of Wild Animals

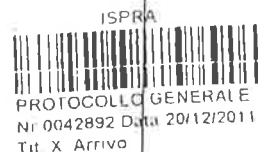
Secretariat provided by the United Nations Environment Programme



Prof. Bernardo De Bernardinis  
President of ISPRA  
Via Vitaliano Brancati 48  
00144 ROMA  
Italy

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ISPRA PROTOCOLLO GENERALE	
RESP.	INFS
CUTIA	DIREZIONE
	PRESIDENTE



Bonn, 1 December 2011

Dear Prof. Bernando De Bernardinis,

It is with great pleasure that I would like to inform you that Dr. Fernando Spina, CMS Scientific Council member for Italy, has been elected Chair of the Scientific Council of the UNEP Convention on the Conservation of Migratory Species of Wild Animals. The 17<sup>th</sup> Meeting of the Scientific Council (17-18 November 2011, Bergen, Norway), which preceded our Tenth Meeting of the Conference of the Parties (20-25 November 2011, Bergen, Norway) unanimously elected Dr. Spina. As you know, Dr. Spina successfully chaired the Ninth Meeting of the Conference of the Parties (1-5 December 2008, Rome, Italy) and has been a much valued Scientific Council member since his appointment in early 2007.

Dr. Spina's extensive knowledge of animal migration, especially of birds, as well as his commitment and understanding of environmental governance processes and long term experience in the application of international environmental legislation, will be very valuable for implementing and guiding the challenging work programme of the Scientific Council. At CMS Dr. Spina is highly respected for his excellent chairing and negotiating skills, not least following the superb chairmanship in Rome at COP9 in 2008. Thus I can only congratulate the Scientific Council on their excellent choice.

The tasks ahead do not only require scientific and policy understanding, but also a strong commitment to allow Dr. Spina to adequately prepare and guide the Scientific Council. I can assure you that our Science Unit at the Secretariat will do their utmost to support Dr. Spina to make his task easier and to coordinate amongst the approximately 100 members of the Scientific Council. I trust we can rely on you and your organization to equally lend your support.

In this spirit please accept the assurances of my highest consideration and the Secretariat's best wishes for the festive season.

Yours sincerely,

Elizabeth Maruma Mrema  
Executive Secretary

cc:

Dr. Ettore Randi, Co-ordinator CRA 16 ISPRA  
Dr. Fernando Spina, ISPRA

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E-Mail: secretariat@cms.int

53113 Bonn, Germany  
Website: www.cms.int

18 OCT. 2016

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## Convention on the Conservation of Migratory Species of Wild Animals

Secretariat provided by the United Nations Environment Programme



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### TO WHOM IT MAY CONCERN

ALL.14

Mr. Fernando Spina was appointed by the Italian Ministry of Environment as member of the Scientific Council to the Convention on the Conservation of Migratory Species of Wild Animals (CMS) in January 2007. Since then, Mr. Spina has attended a number of meetings related to CMS and provided valuable contributions to them all.

Given his extensive knowledge of CMS matters and experience of international negotiations, in 2008, Mr. Spina was elected to preside over the Ninth Meeting of the Conference of the Parties to the Convention which was hosted by the Italian Government in Rome. The success of the meeting, which was attended by over 400 participants and addressed several controversial issues, was greatly attributable to the ability of Mr. Spina to steer difficult discussions and build consensus.

Based on his proven record of presiding over meetings and his reputation as a research scientist, Mr. Spina was elected as Chair of the CMS Scientific Council for the triennium 2012-2014 and was reconfirmed in this position for the current one 2015-2017. This role requires presiding over actual meetings of this advisory body comprising over 100 members as well as chairing regular discussions of dedicated working groups.

Furthermore, in the last few years, Mr. Spina was asked to chair other technical and intergovernmental meetings associated with the Convention, including:

- First Meeting of the Signatories to the Memorandum of Understanding on the Conservation of Migratory Sharks, 24 - 27 September 2012, Bonn, Germany;
- Sixth Meeting of the Chairs of the Scientific Advisory Bodies of the Biodiversity-related Conventions, 7 October 2013, Formia, Italy. It was attended by representatives of the scientific advisory bodies of CBD, CITES, CMS, the GEF, the Ramsar Convention and the World Heritage Convention, with observers from UNEP/WCMC, IUCN and AEWA;
- CMS Ad hoc Meeting on Harmonization of Bird Taxonomy, 8 October 2013, Formia, Italy;
- Sixth Session of the Meeting of the Parties to the Agreement on the Conservation of African-Eurasian Migratory Waterbirds (AEWA), 9 - 14 November 2015, Bonn, Germany;
- CMS Workshop on Connectivity "A single Earth: migratory animals connect the planet", 27-30 September 2015, Albarella, Italy. The workshop was convened on Mr. Spina's initiative.

Mr. Spina's passion and extensive knowledge of nature conservation, his vast experience of international negotiations and his outstanding communication and diplomatic skills have been instrumental in the success of these meetings and have helped considerably in advancing the CMS agenda.



Bonn, 17 October 2016

Bradnee Chambers  
UNEP/CMS Executive Secretary



# Convention on the Conservation of Migratory Species of Wild Animals

Secretariat provided by the United Nations Environment Programme



Mr. Fernando Spina  
Senior Scientist  
Istituto Superiore Protezione Ricerca Ambientale ISPRA  
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Nr.0046319 Data 04/12/2012  
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Bonn, 03 December 2012

**Subject: Chairmanship of 1<sup>st</sup> Meeting of the Signatories to the UNEP/CMS Sharks  
MOU**

ALL. 14a

Dear Fernando,

I would like to thank you once again for your great support both before and during the 1<sup>st</sup> Meeting of the Signatories to the Sharks MOU in Bonn. We are fully satisfied with the results of the MOS which we would not have achieved without your contribution and support. We are pleased to say that it has been a great team effort!

Your effective chairmanship together with your involvement in all crucial negotiations both in plenary or in working groups has also enabled us to reach agreement on a number of challenging issues.

We will continue seeking your support and we will contact you again to examine the next steps in implementing the decisions made in Bonn, in your capacity as Chair of the Meeting to the Signatories to the Sharks MOU.

My colleagues, Melanie and Andrea, and I would like to thank you personally for your enthusiasm and commitment, which really helped to make the meeting a success.

My very best wishes,

Bert Lenten  
Officer in Charge  
UNEP/CMS Secretariat

6558/18

ALL. 15



Agreement on the Conservation of African-Eurasian Migratory Waterbirds (AEWA)

Secretariat provided by the United Nations Environment Programme (UNEP)

Ms. Maria Carmela Giarratano  
Director General  
Direzione Generale per la Protezione della Natura e del Mare  
Ministero dell'Ambiente e della tutela del territorio e del mare  
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Date: 16 November 2015  
Ref: 15-241-sd

Subject: Chairing of AEWA MOP6 by Dr. Fernando Spina

Dear Ms. Giarratano, dear Dr. Laporta,

With this letter I would like to express the deepest appreciation of the UNEP/AEWA Secretariat for the extremely professional and effective chairing of the 6<sup>th</sup> Session of the Meeting of Parties (MOP6) to AEWA provided by Dr. Fernando Spina.

It is not the Secretariat alone which recognised the excellent chairing. A great number of Contracting Parties spoke very high of Dr. Spina's performance and expressed their gratitude and admiration at the closure of the meeting and personally outside of the sessions. The collective opinion of many governments and other participants in the meeting is that Dr. Spina was an immaculate chair who guided the decision making process in unbiased and objective way which provided for the great success of this meeting.

MOP6 was indeed a complex and decisive event for the future of the Agreement and it required a respected and experienced chair to lead the Parties through this event and ensure successful outcome. Dr. Fernando Spina undoubtedly was the person to achieve this.

Dr. Spina was a major asset for MOP6 in his capacity as chair and his performance has further strengthened the reputation of the Institution and the country he represents.

Yours sincerely,

Dr. Jacques Trouvilliez  
Executive Secretary

Cc: Dr. Fernando Spina, ISPRA, Via Ca' Fornacetta 9, 40064 OZZANO EMILIA, Bologna, Italia



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IL DIRETTORE GENERALE  
Dott. Stefano Laporta



## Convention on the Conservation of Migratory Species of Wild Animals

Secretariat provided by the United Nations Environment Programme



UNEP

On. Andrea Orlando  
Ministro  
Ministero dell'Ambiente e della Tutela del Territorio e del Mare  
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Italia



PROG  
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Oggetto: Ruolo dell'Italia nella promozione della CMS e preparazione della COP11

ALL. 17

Bonn, 12 novembre 2013

Onorevole Orlando,

Le scrivo per portare alla Sua attenzione l'eccellente esito di due importanti iniziative che si sono avvalse del considerevole apporto ed impegno italiano, in particolare dell'Istituto Superiore per la Protezione e la Ricerca Ambientale (ISPRA), e desidero ringraziare Lei ed il Suo Ministero per aver contribuito a promuoverle.

Come saprà, si è di recente tenuta a Formia una riunione sul valore economico delle specie migratrici patrocinata dal Suo Ministero ed organizzata con ISPRA; il Parco Regionale Riviera di Ulisse ed il Comune di Formia. L'incontro si è svolto nel contesto di una settimana di riunioni dedicate al lavoro del Consiglio Scientifico della CMS, presieduto dal Dott. Fernando Spina, Dirigente di Ricerca responsabile del Centro Nazionale di Inanellamento dell'ISPRA. Il convegno ha toccato diversi aspetti e prospettive sul concetto delle specie migratrici quali risorse strategiche per le economie locali ed è riuscito a fornire un'ampia ed accurata visione globale di questo importante ruolo della biodiversità grazie alla varietà ed all'alta qualità degli interventi.

Inoltre, come Le avevo comunicato lo scorso maggio, su iniziativa del Dott. Spina, abbiamo organizzato un concerto di beneficenza, a Bonn, a sostegno della Giornata Mondiale degli Uccelli Migratori (WMBD) e per celebrare il bicentenario della nascita di Giuseppe Verdi. I numerosi proventi del concerto sono andati a sostegno di un nostro progetto di conservazione della Gru coronata grigia in Africa.

Il tema della campagna del WMBD per il 2014 sarà legato al turismo sostenibile come veicolo per conservare gli uccelli migratori ed i loro habitat. Sia questa campagna, sia il convegno appena tenuto a Formia rientrano nell'ottica di promozione della *green economy*, la quale costituisce l'oggetto della Conferenza nazionale organizzata dal Suo Ministero per dicembre.

Saremmo lieti se la Convenzione di Bonn fosse rappresentata e fornisse un contributo a questa Conferenza. Il Dott. Spina sarebbe sicuramente l'opportuno porta voce della CMS e del lavoro legato a questo argomento a livello internazionale.

Considerando il crescente interesse verso questa tematica e le molteplici iniziative in corso, stiamo contemplando l'idea di incentrare il tema della nostra prossima Conferenza delle Parti

(COP) che si terrà nella seconda metà del 2014, proprio sul ruolo delle specie migratrici per uno sviluppo globale sostenibile.

Come Le avevo accennato nella mia lettera di maggio, Le sarei grato se ci potessimo incontrare a breve di persona per discutere la preparazione della COP, visto soprattutto il ruolo cruciale che l'Italia, quale Presidenza del Consiglio dell'Unione Europea nel secondo semestre 2014, rivestirà per la piena riuscita della nostra Conferenza.

Confidiamo in una riunione con Lei e con quanti saranno primariamente coinvolti nello svolgimento di tale ruolo per poter offrire il supporto e l'assistenza del nostro Segretariato nel programmare le numerose ed impegnative attività che ci guideranno verso la COP 2014.

In occasione del nostro incontro, sarò lieto di informarLa di altre importanti iniziative che stiamo portando avanti su numerose specie e su temi quali governance e riforma del Consiglio Scientifico e per le quali le decisioni della COP saranno determinanti nel definire le priorità della Convenzione per il prossimo triennio e oltre.

In attesa di un Suo cordiale riscontro, Le porgo i miei più distinti saluti.



Bryndee Chambers  
Segretario Esecutivo della CMS

Cc:  
Dott. Renato Grimaldi  
Direttore Generale  
Direzione generale per la protezione della natura e del mare  
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CENTRE NATIONAL  
DE LA RECHERCHE  
SCIENTIFIQUE

ALL. 21

*Centre d'Ecologie Fonctionnelle et Evolutive*

Montpellier, 13 mars 2000

Prof. Fernando Spina  
INFS  
Via ca' Fornacetta, 9  
40064 Ozzano dell'Emilia (BO)  
Italy

Dear Prof. Spina,

It is a pleasure for me to confirm that you have been elected as a member of the Council of the European Ornithologists' Union during the last General Meeting of the Society which met at Gdansk, Poland, in September 1999.

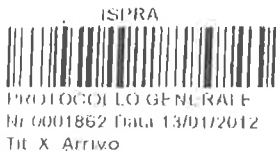
Your election is a testimony of the leading role you have in the field of Ornithology in Europe because there cannot be more than one Council member per country.

I also add that all the European ornithologists who attended the Gdansk Congress made enthusiastic comments on the beautiful volume you produced after the First Congress of the EOU which has been held at Bologna in 1997. The Proceedings of the Bologna Congress are a landmark for ornithology in Europe.

I warmly congratulate you for this election and I will be very happy to work with you for the development of Ornithology in Europe during the years to come.

Yours very sincerely,

Jacques Blondel  
President of the European Ornithologists' Union



TC7  
COPC  
ASJ



EURING, W. Fiedler, Schlossallee 2, D-78315 Radolfzell

To whom it may concern

Chairman  
Dr. Wolfgang Fiedler  
Max Planck Institute for Ornithology  
Vogelwarte Radolfzell  
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Tel.: 07732 - 150160  
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fiedler@orn.mpg.de

Date 2012-01-12

It is my pleasure to certify that Fernando Spina acted as Chairman of the European Union for Bird Ringing (EURING) from 1995 to 2005. In this period he certainly imprinted the way how the role of scientific bird ringing for solving actual and future challenges in conservation is seen today. Through intensive networking between all European institutions that are coordinating ringing projects, other scientists and the relevant committees at the European Union he played - and still plays - a significant role in the linking between science and decision makers on an international level. In addition, thanks to Fernando Spina, the standards and methods in scientific bird ringing studies that have been developed by the EURING group over decades are now guidelines for newly emerging bird ringing studies in all parts of the world.

During his term of office Fernando Spina coordinated several international cooperation projects like the EURING Swallow Project. These joint projects aim to bring together volunteers, scientists and conservationists from many countries sharing the interest in the biology and conservation of a long distance migratory bird, the Barn Swallow. Since this bird species inhabits most parts of the world and most populations migrate between continents twice a year any effort in understanding the population developments and conservation needs of such a species must be based on international cooperation. In such a project bringing together the biological field work of volunteers, the interest and way of thinking of scientists as well as the demands of conservationists from dozens of countries is a big challenge. It was EURING's fortune that during the conduct of the Swallow project and other larger projects in the person of Fernando Spina we had one of the most appropriate characters for that kind of coordinating work I have ever met in a leading position of the board.

Radolfzell, 12 January 2012

(Wolfgang Fiedler, EURING Chairman)

Chairman: Wolfgang Fiedler (Germany), Vice Chairman: Kaspar Thorup (Denmark)  
General Secretary: Jacqui Clark (UK), Treasurer: Thord Fransson (Sweden)  
Other board members: Gabriel Gargallo (Spain), Boris Nikolov (Bulgaria)  
Michael Schaub (Switzerland)

The European Union for Bird Ringing - <http://www.euring.org>  
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ALL-25

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Bearbeitet von: Prof. Dr. F. Bairlein  
E-mail: franz.bairlein@ifv.terrare.de

Ihr Zeichen und Tag

Unser Zeichen

Datum

22. März 2000

## TO WHOM IT MAY CONERN

Dr. Fernando Spina served as member of the *European Science Foundation* Network on Bird Migration between 1994 and 1996. He is also member of the Steering Committee of the recently launched *European Science Foundation* Scientific Programme on Optimality in Bird Migration. As chairman of both committees I very much appreciate and I acknowledge Dr. Spina's collaboration.

Dr. Spina played and still plays a leading role in evaluating the concepts, the goals and the objectives of both initiatives. Dr. Spina is among the leading scientists in the field of bird migration in Europe.

The *Progetto Piccole Isole* initiated and organised by Dr. Spina plays a central role in the recent European wide collaboration in the study of bird migration. This is not because of its geographic location. It is due to its outstanding scientific value which is Dr. Spina's merit. He also played a leading role in launching the EURING Swallow Project which is developing into a global project owing to Dr. Spina's effort and excellent skills. Self-standing is his election as president of the European Union for Bird Ringing EURING, and as Chairman of the Scientific Program Committee for the next International Ornithological Congress to be held in Beijing in the year 2002.

Sincerely,

Prof. Dr. Franz Bairlein

Director

Chairman ESF Scientific Programme on Optimality in Bird Migration



## Convention on the Conservation of Migratory Species of Wild Animals



CMS

16 May 2018

Dear Fernando,

I am writing to you today to express my heartfelt thanks for the support you gave to the CMS Workshop on the Conservation Implications of Animal Culture and Social Complexity which we had the pleasure to hold in Parma from 12-14 April 2018.

You, like no other, had a crucial role in enabling CMS to organize this workshop – from securing the sponsorship of the National Park and the Fondazione Monteparma, to guiding and supporting the preparations of both logistics and content. Not least, the well-planned excursion and the beautiful performance of your choir made this workshop not only successful, but also memorable to all participants.

As you know, all aspects of the workshop received extremely positive feedback from the participants. Everyone felt welcome and very comfortable in Parma and of course the beautiful surroundings and excellent food went a long way in achieving a positive working atmosphere.

We expected the workshop to be ground-breaking, and indeed it was. Preliminary results are summarized in the Statement agreed by participants, which you can also find online as part of the [news article](#) my team prepared with your involvement following the workshop.

As you know, the full report is under preparation and will be issued shortly. We are planning to make it available as an information document at the upcoming 3<sup>rd</sup> Meeting of the Sessional Committee of the CMS Scientific Council, where in addition, we will be reporting orally on the workshop. Based on the key factors for identifying priority species and populations developed by the workshop participants, the Culture Expert Group will then, in a next step, identify for which CMS-listed species culture and social structure need to be taken into consideration for effective conservation, and recommend how to do so in practice.

The results of this process will be presented to the 4<sup>th</sup> Meeting of the Sessional Committee of the CMS Scientific Council in late 2019 and recommendations will be drafted for consideration at the 13<sup>th</sup> Meeting of the Conference of the Parties of CMS in 2020 in India. I know and am grateful to be able to count on your continued support for these next steps.

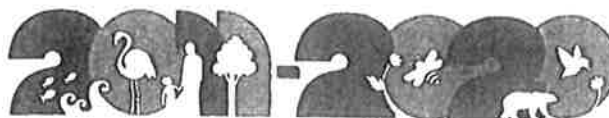
Thank you again, also on behalf of my staff, Tine and Heidi, who were in Parma for all your help and support, not only for this workshop, but also for CMS' entire work stream in this emerging field of science!

Yours sincerely,

A handwritten signature in black ink, appearing to be "BC" or similar initials.

Bradnee Chambers  
Executive Secretary

ALL. 27



## United Nations Decade on Biodiversity

### Terms of Reference for a Chairperson on mission for the Secretariat of the Convention on Biological Diversity

Dr. Fernando Spina  
Italian Institute for Environmental Protection and Research (ISPRA)  
Rome, Italy

#### Background

Dr. Fernando Spina (hereafter "the resource person") has been selected by the Secretariat of the Convention on Biological Diversity (CBD) to serve as a Chairperson at the Regional Bio-Bridge Initiative Round Table for Western Europe and Others Group (WEOG) to be held on 21 September 2018 in Brussels, Belgium.

#### Tasks

The resource person will moderate discussions at the WEOG Round Table and share experiences and lessons learned from relevant initiatives.

#### Deliverables

The resource person will contribute the following:

- Provision of introductory remarks to open the meeting
- Moderation of discussions
- Provision of substantive input to the round table discussions
- Summarize next steps and action items during closing remarks

#### Remuneration

The resource person will receive no fee. The CBD Secretariat will pay for travel [Bologna /Brussels/Bologna] on most economical and direct route and Daily Subsistence Allowance for three (3) days/two (2) nights.

*I agree with the assignment and with the conditions outlined above.*

Name: Dr. Fernando Spina

Date: 9.8.2018

Signature:

*Fernando Spina*

Please return by e-mail to the CBD Secretariat: [claire.parois@cbd.int](mailto:claire.parois@cbd.int)

#### For Internal use only

Source of Funding: Bio-Bridge Initiative

Index #: .....

.....  
Gudrun Fosse - Chief, Financial Resources Management Service

26-NOV-2009 12:32

From the Director  
Dr. Andy Clements

Our Ref: AC/vtp/3080

12 August 2008

Dr Fernando Spina  
Istituto Nazionale per la Fauna Selvatica  
Via Ca' Fornacetta 9  
I-40064 Ozzano Emilia (BO)  
Italy

Istituto Nazionale Fauna Selvatica  
Prot. N. 0004836 14/08/2008



rbg



P.04/07

British Trust for Ornithology  
The Nunnery  
Thetford  
Norfolk IP24 2PU  
T +44(0)1842 750050  
F +44(0)1842 750030

ALL. 29

Dear Fernando

At our annual conference, the BTO invites a keynote speaker to deliver the "Witherby Lecture". On behalf of the BTO Council, I am writing to ask whether you would be prepared to be the Witherby Lecturer in December 2009, when the conference will be celebrating 100 years of ringing in Britain & Ireland.

A list of previous lecturers is enclosed, from which you can see that we have had a wide range of subjects over the years. For this particular conference, we would like you to talk about some aspect of ringing and its results and value. As you know we have a mixed audience at the conference of mainly volunteer (but knowledgeable, intelligent and committed) and professional ornithologists. For this conference, many will be bird ringers, and there will also be a wide range of other BTO supporters present.

We pay reasonable expenses and provide accommodation at the conference. If you can manage to get a fairly cheap flight, we'd be grateful; but don't feel that you are expected to be mean to yourself! The weekend of the conference is 4-6 December and the talk would take place on the morning of Saturday 5 December. As you know, the conference is held at Swanwick in Derbyshire. It is possible to get fairly close to there by rail but we can probably arrange a lift for you from London or most other places. If you wished to do so, we'd also be delighted to welcome you to Thetford either before or after the weekend.

I hope that you will be able to speak at our Ringing Centenary Conference in 2009 and look forward to hearing from you.

With best wishes

Yours sincerely

Andy Clements

Andy Clements  
BTO Director

cc Jacqui Clark and Graham Appleton (Conference organizers)

www.bto.org  
Registered Charity No 216657  
Registered in England & Wales No 337284  
Patron HRH The Duke of Edinburgh KG, KT



PROT ISPRA 37456 DEL 7/6/18

Convention on the Conservation of Migratory Species of Wild Animals  
Agreement on the Conservation of African-Eurasian Migratory Waterbirds

Secretariats provided by the United Nations Environment Programme

To:

ALL.31

Mr. Fernando Spina  
CMS Scientific Council,  
c/o ISPRA - Istituto Superiore per la Protezione e la Ricerca Ambientale  
Via Cà Fornacetta, 9  
40064 Ozzano Emilia (BO)

ITALY

Date: 6 June 2018

Subject: Thank You for Your Statement of Support for World Migratory Bird Day 2018

Dear Mr Spina,

We would like to sincerely thank you on behalf both the UNEP/CMS and UNEP/AEWA Secretariats for your statement in support of World Migratory Bird Day this year. Thank you also for your support in spreading the word about the campaign through your networks, websites and social media. Without your help we would not have been able to achieve this exciting new level of success.

This year's World Migratory Bird Day on 12 May clearly benefited from the new partnership with the Americas and from the global flyways focus. With the theme "Unifying our Voices for Bird Conservation", thousands of people came together at more than 400 events in 80 countries - from bird watching to large eco-tours, local art exhibitions to international birding conferences - to celebrate migratory birds and the need for their conservation.

We look forward to celebrating World Migratory Bird Day again on 13 October this year, and we hope to be able to continue working together to promote our shared conservation messages.

Yours Sincerely and Thank You Again,

Bradnee Chambers  
Executive Secretary  
UNEP/CMS Secretariat

Jacques Trouvilliez  
Executive Secretary  
UNEP/AEWA Secretariat



UNEP/CMS and UNEP/AEWA Secretariats  
UN Campus • Platz der Vereinten Nationen 1 • 53113 Bonn • Germany  
CMS: Tel.: (+49) 228 815 2401 • Fax: (+49) 228 815 2449 • cms.secretariat@cms.int • www.cms.int  
AEWA: Tel.: (+49) 228 815 2413 • Fax: (+49) 228 815 2450 • aewa.secretariat@unep-aewa.org • www.unep-aewa.org

**ANNEX 3**

**NOMINATION OF DR URS BREITENMOSER FOR THE ROLE OF  
COP-APPOINTED COUNCILLOR – TERRESTRIAL MAMMALS**

*(submitted by the Government of Switzerland)*



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Federal Department of the Environment, Transport,  
Energy and Communications DETEC

**Federal Office for the Environment FOEN**  
Species, Ecosystems, Landscapes Division

3003 Bern  
FOEN; HES

POST CH AG

by email to the Secretariat of the Convention on the  
Conservation of Migratory Species of Wild Animals:

cms.secretariat@cms.int

File reference: BAFU-061.6-02.3-04-04-379  
Ittigen, 9 January 2020

## **Nomination of a CMS COP-appointed Councillor for "Terrestrial Mammals" by Switzerland**

Dear Sirs,

Switzerland would like to nominate a Councillor for "Terrestrial Mammals" for the period COP13-COP15, as recommended by the Sessional Committee of the Scientific Council, on the basis of document UNEP/CMS/SCC-SC4/Doc.3.1 and CMS Notification 2019/022 for the COP:

Dr. Urs Breitenmoser

We are confident that Urs Breitenmoser could make an important contribution to the work of the Scientific Council and its Sessional Committee. In our opinion, he meets all criteria according to the indicative terms of reference for a thematic Councillor appointed by the COP (see CMS Notification 2019/022): He is an internationally recognized and renowned expert on terrestrial mammals, specialized in felidae species with extensive experience around the world. Since 2001 he is co-chair of the IUCN Specialist Group on Cats. At the Swiss, but also at the European level, he has been working intensively for decades on other large carnivores such as the wolf and bear (monitoring, human/livelihood conflicts, wildlife management and conservation). In addition, he works as a senior scientist and teacher at the Centre for Fish and Wildlife Health, Vetsuisse Faculty at the University of Bern as an epidemiologist and carnivore ecologist affiliated to the Swiss Rabies Centre.

For CMS, Urs Breitenmoser has been very active for many years in various initiatives and projects related to terrestrial mammals. He has not only worked as a scientific advisor for various governments on proposals for the inclusion of cat species such as cheetahs, leopards and other endangered species in

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Sabine.Herzog@bafu.admin.ch  
<https://www.bafu.admin.ch>



BAFU-A-AA3A3401/16

the Appendices of the Convention. He is also currently very active in the joint CMS/CITES African Carnivore Initiative and also in the Central Asian Mammals Initiative (CAMI). As a committed international networker, he succeeded - as an example - together with his wife, Christine Breitenmoser-Würsten, who is also a renowned cat specialist, in bringing top experts for Lion, Tiger, Asiatic Cheetah, Leopard, Snow leopard and Jaguar to Bern in Switzerland for World Wildlife Day 2018. Please see the cat special issue: <http://www.catsg.org/index.php?id=707>

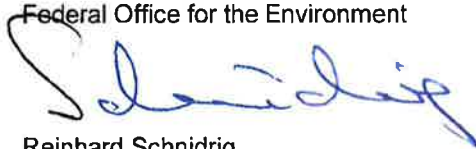
At the national level: Federal Office for the Environment (FOEN) is working very successfully with Urs Breitenmoser and his team on the theme of the management of Switzerland's large predators (especially wolf, lynx, bear and jackal). He is also working on cross-cutting themes such as interaction between carnivores and ungulates, for example the influence of the lynx on the chamois in Switzerland.

In addition to his scientific knowledge, he also has profound management, fundraising and administrative skills: together with his wife Christine Breitenmoser-Würsten, he has been working as the leader of the KORA (Carnivore Ecology and Wildlife Management) program and is the director Foundation KORA established 2017 by cantonal authorities responsible for the wildlife management in Switzerland. Finally, as an international researcher, he speaks and writes English and French fluently while German is his mother tongue.

We would be very pleased if Dr. Breitenmoser could gain the confidence and support of the parties at the upcoming CMS COP in India. Please do not hesitate to contact us for further information.

Best regards,

Federal Office for the Environment



Reinhard Schnidrig  
Head of section / CMS Focal Point



Sabine Herzog  
Senior Policy Advisor / CMS Scientific Councillor

Enclosure:

- CV of Urs Breitenmoser
- CMS Councillor Declaration of interest by Urs Breitenmoser

Copy to:

- Marco Barbieri, by email to: [marco.barbieri@un.org](mailto:marco.barbieri@un.org)
- Vittoria Semplici, by email to: [vittoria.semplici@un.org](mailto:vittoria.semplici@un.org)
- Clara Nobbe, by email to: [clara.nobbe@un.org](mailto:clara.nobbe@un.org)
- Urs Breitenmoser, by email to: [urs.breitenmoser@vetsuisse.unibe.ch](mailto:urs.breitenmoser@vetsuisse.unibe.ch)





Raubtierökologie und Wildtiermanagement  
Ecologie des carnivores et gestion de la faune sauvage  
Ecologia dei carnivori e gestione della fauna selvatica  
Carnivore ecology and wildlife management

Stiftung KORA – Thunstr. 31 – CH-3074 Muri – +41 (0)31 951 70 40 – info@kora.ch – www.kora.ch

Bundesamt für Umwelt BAFU  
Dr. Reinhard Schnidrig  
Abteilung Arten, Ökosysteme, Landschaften  
CH-3003 Bern

Muri/Bern, 18 December 2019

**Declaration of interest**

Dear Dr. Schnidrig,

I'm honoured to be proposed by Switzerland as a CoP-appointed Councillor for Terrestrial Mammals to the Convention on Migratory Species CMS. I herewith confirm that I'm willing to accept such nomination in case I would be elected at the Conference of Parties 13 in February 2020. I thank you for the confidence!

Yours, sincerely

Dr. Urs Breitenmoser

## CURRICULUM VITAE URS BREITENMOSER

### Personal data

**Name:** Urs Max Breitenmoser

**Birth/nationality:** June 23, 1955, Switzerland

**Matrrial status:** Married to Christine Franziska Würsten since 1986

**Children:** Kaspar Linus, 15.08.1996, and Moritz Samuel, 20.02.1998

**Work address:** Centre for Fish and Wildlife Health, Vetsuisse Faculty,  
University of Bern, Länggassstr. 122, CH-3012 Bern, Switzerland  
eMail URS.BREITENMOSER@VETSUISSE.UNIBE.CH

KORA, Thunstrasse 31, CH-3074 Muri b. Bern, Switzerland  
Phone +41 31 951 70 40  
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Foundation KORA, Thunstr. 31, CH-3074 Muri, Switzerland  
Phone ++41 31 951 70 40, Fax ++41 31 951 90 40, Mobile ++41 79 410 14 39

**Home address:** Villettengässli 4, CH-3074 Muri, Switzerland



### Education

**1976 - 1982:** University of Bern, Institute of Zoology; first grade (1976-77) in biology and second grade (1977-82) in zoology, botany, and geology.

**1979:** Academic semester at the University of Geneva, Institute of Biology.

**1982:** Lic. phil. nat, University of Bern, Switzerland. Diploma thesis: "Die Wiedereinbürgerung des Luchses (*Lynx lynx*) in der Schweiz - Die Aussetzungen und die bisherige Ausbreitung im Alpenraum (The Re-introduction of the Lynx in Switzerland - The Releases and the Recent Distribution in the Swiss Alps). Thesis Univ. Bern, 86 p.

**1986:** Dr. phil. nat, University of Bern, Switzerland. Doctoral thesis: "Aspekte der Raumorganisation und der Ernährung des Luchses (*Lynx lynx*) in den Schweizer Alpen (Aspects of the Spatial Organization and Feeding Habits of the Lynx in the Swiss Alps). Thesis Univ. Bern, 62 p.

### Training:

#### Postgraduate training

**1982 - 1986:** Graduate student at the Institute of Zoology, University of Bern, Switzerland, with Prof. W. Huber. Research assistant in a ecological field project "Untersuchung zur Raumorganisation und Nahrungsökologie des wiederangesiedelten Luchses in den Schweizer Alpen mittels Radiotelemetrie" (Study on the Spatial Organization and the Feeding Ecology of the Reintroduced Lynx in the Swiss Alps by Means of Radio Telemetry), together with Dr. Heinrich Haller. The project was funded by the Federal Office of Forestry, the Swiss League for Protection of Nature, the WWF Switzerland and the Wildlife Services of several Swiss cantons.

#### Post-doctoral training and positions

**July 1986 - Dezember 1989:** Assistant research scientist in an ecological field project on lynx ("Radio-telemetrische Untersuchungen zur Raumorganisation und Dynamik der in der Schweiz sich ausbreitenden Luchspopulation"). Funded by the Swiss National Science Foundation (Grant-Nr 3100-008330), Advisor: Dr. D. Burckhardt.

**January 1990 - March 1990:** Consultant to the Council of Europe, Strasbourg, on the status, the conservation needs and re-introduction of the lynx in Europe.

**April 1990 - March 1992:** Post-doctoral fellow at the Dept. of Ecology, University of British Columbia, Vancouver, Canada, with Prof. A. R. E. Sinclair and Prof. C. J. Krebs. Field research at the Arctic Institute of North America (Kluane Lake Research Base, Yukon Territory) on the ecology of the Canada lynx (*Lynx canadensis*) as part of the long-term collaborative Kluane Boreal Forest Ecosystem Project.

**April 1992 - November 1992:** Research assistant at the Institute of Zoology, University of Bern.

**December 1992 - present:** Epidemiologist at the Swiss Rabies Centre, Institute of Veterinary Virology, University of Bern, Switzerland. Director Prof. E. Peterhans, responsible for rabies eradication strategy and programme in Switzerland.

**Since 1996:** "Oberassistent" at the Institute of Veterinary Virology, University of Bern, Switzerland. Director Prof. E. Peterhans.

**Since 1996:** Head of KORA (Co-ordinated Research Project for the Conservation and Management in Switzerland), an applied research group cooperating with several Swiss universities and sponsored mainly by federal funds, but also private foundations.

**Since 2001:** Co-chair of the IUCN/SSC Cat Specialist Group together with Christine Breitenmoser-Würsten.

**Since 2017:** Director of the Foundation KORA – Carnivore Ecology and Wildlife Management

#### Fellowships, courses and awards:

**April 1990 - September 1991:** Post-doctoral fellowship Swiss National Science Foundation.

**October 1991 - March 1992:** Post-doctoral fellowship granted Janggen-Pöhn-Foundation, Switzerland.

**April 1992 - November 1992:** Post-doctoral fellowship Roch Research Foundation, Basel, Switzerland.

**February 1998:** Course in didactics at the Veterinary Faculty, University of Bern.

**April – July 1999:** Visiting scientist at Grimsö Research Station, University of Uppsala, Sweden.

**June 2006:** WWF Award for Conservation Merit

**October 2008:** SSC Chair's Citation of Excellence Award

**December 2011:** Rabinowitz-Kaplan Prize for Excellence in Cat Conservation, Panthera, together with Christine Breitenmoser-Würsten.

**January 2014:** Senior scientist at the Centre for Fish and Wildlife Health, University of Bern

**July 2017:** Director of the Foundation KORA – Carnivore Ecology and Wildlife Management

#### **Present Position and Activities:**

Position: Senior Scientist at the University of Bern; Director of Foundation KORA; Co-chair IUCN SSC Cat Specialist Group. My position comprises today three major duties:

Epidemiologist and carnivore ecologist affiliated with the Swiss Rabies Centre: rabies surveillance, teaching in epidemiology;

Director of the in-state Foundation KORA – Carnivore Ecology and Wildlife Management: Carnivore ecology research, supervision of research projects and theses, training & teaching, management (project planning and fund raising, conceptual work), leading the team, administration and management of the Foundation.

Co-chair of the IUCN/SC Cat Specialist Group: Continuous assessment of felid species conservation status, conservation planning, initiation of conservation projects, conceptual work in nature conser-

vation, education and training, networking, administrative tasks and fund-raising.

### Key experience

I started my professional career with research on the reintroduced lynx population in Switzerland and then broadened my fields of work to other carnivore species and to conservation and wildlife management. 1992, after two post-doctoral years at the University of British Columbia, Canada, I took the position of an epidemiologist at the Swiss Rabies Centre (Institute of Veterinary Virology, University of Bern) and was responsible for the surveillance and control of wildlife rabies in. The programme led to the eradication of terrestrial rabies in Switzerland by 2000. I participated in the EU project "The oral vaccination of foxes against rabies" (FAIR-CT97-3515) and the respective EU Expert Group developing rabies control strategies from 1997 to 2002.

In the position of the leader of the KORA programme (since 1995) and director of the Foundation KORA – Carnivore Ecology and Wildlife Management (since 2017), and the IUCN/SSC Cat Specialist Group Co-chair (since 2001), I have gained experience in carnivore research and conservation in Switzerland and the Alps, but also across Europe, and globally:

*Europe:* Monitoring and facilitation of the renaissance of the large carnivores in the cultivated landscapes of Europe. I was involved in research and conservation work of Eurasian lynx in Switzerland, the Alps, south-western Balkans (Albania, Macedonia, Kosovo and Montenegro) and in the Carpathians (Slovakia) and have advised many lynx research or reintroduction projects across Europe and in Asia. Since 2002, I have been involved in the recovery project of the Iberian lynx, then the only *Critically Endangered* cat species.

*Asia:* Participation in an emergency programme to save the Siberian tiger and the Amur leopard in the Russian Far East, China and North Korea (e.g. leading to the designation of new protected areas in the Changbaishan region in NE China). Involvement the programme for the recovery and reintroduction of the Critically Endangered leopard in the Caucasus eco-region (Iran, Turkey, Azerbaijan, Armenia, Georgia and Russia), facilitation of a regional Conservation Strategy (2007 and 2017) and National Action Plans.

*Middle East:* As co-chair of the IUCN SSC Cat Specialist Group, I'm involved in the programmes for the recovery of the Asiatic cheetah in Iran and the Arabian leopard (both Critically Endangered).

*Africa:* At CITES CoP 13 in 2004, the lion range states agreed that a series of regional lion conservation workshops should be held. In 2006, three Regional Conservation Strategies for the lion in Africa were facilitated by the IUCN SSC Cat Specialist Group, which led to the development of several national action plans. In 2018/19, based on a mandate from CITES and CMS in the frame of their joint African Carnivore Initiative, we developed the *Guidelines for the Conservation of the Lion in Africa* and the *Roadmap for the Conservation of the Leopard in Africa* (both in English and French).

*South America:* Together with colleagues from throughout South America we did an assessment of the status of the 10 Neotropical cats in a workshop in Brazil. In 2019, we developed together with experts from all range countries, the *Strategy for the Conservation of the Jaguar in South America* (in print).

Together with my wife and Cat SG co-chair Christine, I'm the editor of Cat News, a bi-annual journal for cat conservation. We produce a series of Special Issues (<http://www.catsg.org/index.php?id=17>) to foster cat research and conservation world-wide, as for instance. To support capacity building, we launched a Cat Conservation Course in 2010, where we invite young conservation scientists to a training to Switzerland. Our research and monitoring projects in the Swiss Alps and the Jura Mountains provide an excellent opportunity for training young colleagues from abroad.

### Memberships:

- Schweizerische Gesellschaft für Wildtierforschung (Swiss Society for Wildlife Research)
- IUCN/SSC Cat Specialist Group (member since 1996, co-chair since 2001)
- IUCN/SSC Re-introduction Specialist Group (since 1998)
- IUCN/SSC Specialist Group Large Carnivore Initiative for Europe (since 1995)

- IUCN/SSC Bear Specialist Group (since 2012)
- IUCN/SSC Species Conservation Planning Sub-Committee (2007–2016)
- Panthera's Advisory Council (since 2009)

## Reference list

### Books:

Breitenmoser U, Breitenmoser-Würsten Ch. 2008. Der Luchs – Ein Grossraubtier in der Kulturlandschaft. Salm Verlag, Bern. 538 pp.

Vargas A, Breitenmoser Ch, Breitenmoser U. (editors). 2009. Iberian lynx ex situ conservation: An interdisciplinary approach. Fundacion Biodiversidad, Madrid, 533 pp.

### Peer reviewed papers (incl. peer reviewed book chapters):

Abdukadir A, Breitenmoser U. 2007. The last tigers of Xinjiang Cat News (47): 26-27

Avgan B, Zimmermann F, Güntert M, Arkan F, Breitenmoser U. 2014. The first density estimation of an isolated Eurasian lynx population in southwest Asia. Wildlife Biology (20): 217-221

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Breitenmoser U, Breitenmoser-Würsten Ch, Boitani L. 2012. Assessing conservation status and units for conservation. Pages 362-378 in: L. Boitani and R.A. Powell (eds.) Carnivore ecology and conservation. A handbook of techniques. Techniques in Ecology and Conservation Series, Oxford University Press, Oxford.

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Breitenmoser U, Breitenmoser-Würsten C, Capt S, Molinari-Jobin A, Molinari P, Zimmermann F. 2007. Conservation of the lynx *Lynx lynx* in the Swiss Jura Mountains. Wildlife Biology 13, 340-355.

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**ANNEX 4**

**NOMINATION OF DR MARK SIMMONDS FOR THE ROLE OF  
COP-APPOINTED COUNCILLOR – MARINE POLLUTION**

*(submitted by the Government of the Principality of Monaco)*



Gouvernement Princier  
PRINCIPAUTÉ DE MONACO

Département des Relations Extérieures  
et de la Coopération

Monaco, le

16 JAN. 2020

Madame Amy FRAENKEL  
Secrétaire Exécutif *Ad Interim*  
UNEP / CMS Secretariat  
United Nations Premises  
Platz der Vereinten Nationen 1  
53113 Bonn, Germany

CVK/ N°2020-000214

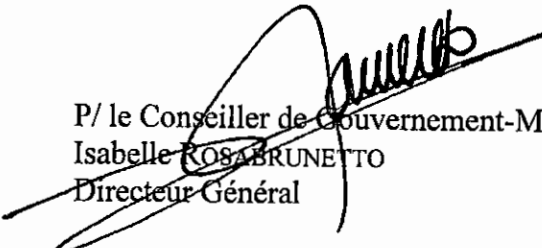
**Objet :** *Soumission d'une candidature au poste de Conseiller nommé par la COP pour la pollution Marine aux fins d'examen par la 13<sup>ème</sup> Conférence des Parties (COP13) – (Gandhanagar, Inde, 15-22 février 2020).*

Madame le Secrétaire Exécutif,

Conformément à la notification référencée 2019/022 en date du 6 décembre 2019, le Gouvernement de la Principauté de Monaco souhaite soumettre la candidature de Monsieur Mark Peter SIMMONDS au poste de Conseiller nommé par la COP pour le domaine de la pollution marine.

A cet effet, je vous prie de bien vouloir trouver, ci-joint, une déclaration justifiant cette candidature, un curriculum vitae de M. SIMMONDS, ainsi qu'une déclaration par laquelle il déclare être prêt à accepter la nomination s'il est sélectionné.

Je vous prie de recevoir, Madame le Secrétaire Exécutif, l'expression de ma considération distinguée.



P/ le Conseiller de Gouvernement-Ministre  
Isabelle ROSABRUNETTO  
Directeur Général

P.J. : 3

Monaco, le 15 janvier 2020

**Objet :** Déclaration justifiant la candidature de M. Mark Peter Simmonds OBE au poste de Conseillé nommé par la Conférence des Parties pour le domaine de la Pollution marine.

Monaco souhaite proposer la nomination de M. Mark Peter Simmonds OBE au poste de conseiller nommé par la Conférence des Parties pour le domaine de la Pollution marine, car il apparaît comme un candidat idéal au vu de son expérience dans ce domaine.

En effet, Mark Peter SIMMONDS OBE est un biologiste marin et un scientifique de l'environnement qui a passé la majeure partie de sa carrière à travailler sur les menaces qui pèsent sur la faune marine. Il a travaillé dans les secteurs des ONG et des universités et a produit des articles scientifiques couvrant un éventail remarquable de problématique, comme le montre son Curriculum Vitae.

Les problématiques sur lesquelles il a travaillé et publié comprennent la pollution organique persistante, la pollution sonore, les débris marins et le changement climatique. Il a également étudié les effets combinés de ces facteurs dans notre monde marin en rapide évolution. Ses travaux publiés portent également sur un éventail de biotes marins, notamment les cétacés, les pinnipèdes, les tortues et les oiseaux.

En outre, Mark a une longue expérience dans la présidence et l'organisation de réunions, ce qui est un atout important pour un Conseiller nommé par la CdP. A titre d'exemple, il a récemment convoqué et présidé le troisième atelier sur les débris marins tenu sous les auspices de la Commission baleinière internationale (CBI) et a dirigé avec succès un certain nombre d'autres ateliers pour la CBI. Il préside également la *Marine Animal Rescue Coalition* du Royaume-Uni et le Groupe de travail sur les cétacés du *Wildlife and Countryside Link*.

Les contributions de Mark ont été reconnues en 2013 lors de l'anniversaire de SAR la Reine Elizabeth, lorsqu'il a été nommé Officier de l'Ordre de l'Empire britannique pour son travail dans le domaine des sciences de l'environnement et de la conservation des mammifères marins.

Enfin, il est important de noter que Mark a également de nombreuses années d'expérience de travail dans le cadre de la CMS et de certains de ses accords affiliés, étant un contributeur actif et respecté à la plupart des réunions du Conseil scientifique de la CMS et de sa Conférence des Parties au cours des deux dernières décennies. Il a une très bonne connaissance des rouages de la Convention et le rôle des conseillers nommés par la CdP.

Eu égard à ce qui précède, Monaco considère que Mark Peter SIMMONDS OBE est un candidat sérieux et tout indiqué pour ce nouveau rôle pour lequel nous sommes heureux de présenter sa candidature.

Cordialement,



Céline Impagliazzo  
Point focal national de Monaco

**Mark Peter Simmonds**  
**Visiting Research Fellow,**  
**School of Veterinary Sciences,**  
**Langford House, Langford, BRISTOL BS40 5DU, UK**  
**and**  
**Senior Marine Scientist**  
**Humane Society International**  
**c/o HSI-UK, 5 Underwood Street,**  
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phone UK +44 (0) 7809643000

20<sup>th</sup> December 2019

To whom it may concern,

I am delighted and honoured to learn that I am being considered for the role of CoP-appointed Councillor for Marine Pollution and I confirm that I would be pleased to serve in this capacity if chosen.

I would do my very best to contribute as an independent expert to the work of CMS in this new topic area.

Please don't hesitate to let me know if any further information is required.

With kind regards,

A handwritten signature in black ink, reading 'Mark P. Simmonds' in a cursive style.

Mark P. Simmonds OBE

# Mark Peter Simmonds OBE

## Marine Biologist and Environmental Scientist

**Career summary: research focuses – threats to marine wildlife including chemical pollution, noise pollution, climate change and incidental and deliberate takes. Peer-reviewed publications include keystone papers on marine noise, studies on contaminant levels in marine mammal tissues and, recently, consideration of cumulative impacts.**

**Convener and/or chair of a number of international scientific workshops concerning threats to marine wildlife.**

**A quarter of a century of experience of contributing to CMS, CITES and IWC processes.**

**Visiting Research Fellow, University of Bristol, School of Veterinary Sciences**

**Chartered Biologist, Royal Society of Biology**

**Member, Royal Society of Biology and Institution of Environmental Sciences**

**Member, Scientific Committee of the International Whaling Commission**

**Chair, UK's Marine Animal Rescue Coalition**

**Visiting Lecturer, Marine Mammal MSc, University of St Andrews**

**Senior Marine Scientist, Humane Society International**

**Author/co-author and editor/co-editor of six books and some 200 scientific papers and articles**

**Made Officer of the Order of the British Empire (OBE) in 2013 in recognition of contributions to environmental sciences and marine mammal conservation.**

<b>Career History</b>		
<b>Academic and other roles and Appointments</b>	<b>Details</b>	<b>Dates</b>
<b>Visiting Research Fellow, University of Bristol (from 2015), Project Supervisor and External tutor for MSc students (Global Wildlife Health and Conservation), University of Bristol, School of Veterinary Science (from 2017); Visiting Lecturer for MSc Students St. Andrews University, Scotland (from 2016) Chair – UK's Marine Animal Rescue Coalition (1994-date) Council Member – European Cetacean Society (2015-2018).</b>	Focuses during this period have included: <ul style="list-style-type: none"> <li>• Matters related to the <b>Convention for the conservation of Migratory Species</b> and its daughter agreements (ASCOBANS and ACCOBAMS), including managing review of Red Sea marine mammal statuses and issues, facilitating CMS 'animal cultures; workshop and assisting other work streams, including related to 'in-water interactions';</li> <li>• Assisting in the development of the IWC's work on indirect threats, including marine debris and other pollution and bycatch (including helping to instigate the IWC's bycatch and strandings initiatives);</li> </ul>	2012-date

<p><b>Acting IWC Bycatch Mitigation Coordinator (2016-2018)</b></p> <p><b>Senior Marine Scientist, Humane Society International</b></p>	<ul style="list-style-type: none"> <li>• Promulgation of best practice in marine mammal rescue;</li> <li>• Development of conservation and welfare policy; and</li> <li>• Monitoring and responding to commercial whaling and other threats to marine mammals.</li> </ul>	
<p><b>External lecturer Animal Behaviour and Welfare Degree, University of Bristol Veterinary School (2007-date) and to MSc Marine Mammal Science, University College of Wales (2002-6): delivering core unit on threats to marine mammals, policy responses and politics).</b></p> <p><b>International Director of Science, Whale and Dolphin Conservation Society (WDCS)</b></p>	<p>Focuses in this period:</p> <ul style="list-style-type: none"> <li>- <b>marine conservation policy development</b> with particular regard to climate change, chemical and noise pollution, marine debris, fisheries interactions and other indirect threats to cetacean populations, and investigations into related fields of science;</li> <li>- development of conservation policy within the auspices of <b>IWC, CITES</b> and <b>CMS</b> conventions and also CMS daughter regional agreements;</li> <li>- oversight of <b>field studies</b> into cetacean biology in the Moray Firth, Scotland, and Cardigan Bay, Wales;</li> <li>- co-ordinating the work of WDCS and other NGOs with other governmental and non-governmental agencies and government bodies;</li> <li>- research leading to publication of a series of scientific papers and reports on threats to cetaceans (please see list appended below).</li> <li>-contributions to the establishment of two new aquatic mammal CMS Memoranda of Understanding (i.e. Pacific Cetaceans and West African Aquatic Mammals);</li> <li>- contributions to increasing the protection of the Black Sea Bottlenose Dolphin and West African Manatee by helping to achieve their listings on the appendices of CITES (respectively 2000 and 2007); and also</li> <li>- work on sperm, fin and killer whale and other cetaceans to achieve enhanced protection under CMS in 2002 and Ganges river dolphin and others in 2009.</li> </ul>	<p>1999-2012</p>
<p><b>Visiting Research Fellow, University of Greenwich 1993-2000</b></p> <p><b>Head of Special Projects, WDCS</b></p>	<p>Project management - investigations into the effects of <b>chemical contaminants</b> on cetaceans and their consumers, mass mortality events, the results of exposure to <b>marine noise pollution</b> and field studies and development of conservation policy in the UK.</p>	<p>1993-1999</p>
<p><b>Reader in Wildlife Conservation, University of Greenwich</b></p>	<p>Building <b>research</b> in the sphere of <b>marine animal conservation</b> including supervising postgraduate projects in seal and cetacean conservation, bottlenose dolphins in Cornwall, marine debris and marine protected areas.</p>	<p>1993</p>
<p><b>Senior Lecturer in Environmental Sciences, University of Greenwich</b></p>	<p><b>Teaching expertise</b> – including <b>marine ecology and conservation</b>, EU law and process, urban wildlife, conservation delivery and philosophy. Environmental Sciences degree rated excellent by QAA.</p>	<p>1991-1993</p>

	Contributed to the drafting of the ASCOBANS and ACCOBAMS agreements and their successful adoption.	
<b>Coordinator Greenpeace Ecotoxicology Project and Research Associate at Queen Mary &amp; Westfield College (QMWC), University of London</b>	Scientific adviser on threats to marine species including epizootics and pollution; strengthening the interface between Greenpeace's 'toxics' and 'marine ecology' programmes.  Contributed to the establishment of two new international treaties i.e. ASCOBANS and ACCOBAMS (European cetacean conservation agreements concluded via CMS)	1988-1991
<b>Project Manager/Research Consultant at Centre for Research in Aquatic Biology (CRAB) at QMWC, University of London</b>	Contractual research – including work on <b>marine anti-fouling coatings</b> ; research for the <b>Nature Conservancy Council</b> ; and <b>Environmental Impact Assessments</b> for the Canary Wharf development in London and potential expansion of Fawley Power Station in Hampshire.	1984-1988
<b>Postgraduate Research Student and Demonstrator, Westfield College, University of London</b>	Research – aquatic vertebrate speciation, physiology, <b>introduced species, herpetology</b> . Demonstrating – including marine vertebrate & invertebrate taxonomy. Field research in Africa.	1982-1984
<b>Undergraduate Student BSc (Hons), Zoology, University of Bristol</b>	Honours project: fine dissection of the vestibular apparatus of the harbour porpoise, <i>Phocoena phocoena</i>	1980

### Other roles and achievements

- **Convener** of seven International Whaling Commission (IWC) workshops:
  - Shortly to convene and **Chair** third marine debris workshop (2019)
  - Convener and **Chair** of second IWC marine debris workshop (2014).
  - Convener and **Chair** of first IWC workshop on marine debris (2013): ‘
  - Marine Renewables and also **Chair** (2012).
  - ‘Climate Change and Small Cetaceans’ and also **Co-Chair** of this workshop (2010)
  - ‘Climate Change and Whales’ (2009); and
  - ‘Habitat Degradation’ (2004);
- Facilitator CMS Workshop on Animal Culture, 2018
- **Acting Bycatch Mitigation Coordinator for the International Whaling Commission: 2016-January 2018**
- **Member of the Scientific Committee of the International Whaling Commission: 1994-date**
- **Member of UK Delegation to IWC: Scientific Committee: 2002-date; Commission 2002-7, 2009, 2010, 2012, 2014 and 2016. Member of Belgian Delegation to IWC 2018**
- **Chair, Whale Working Group of Wildlife and Countryside Link (UK Umbrella Group for NGOs; elected for second term) 2010- 2012; Vice Chair 2012-2017, Chair 2018-date**

- **Advisor to the Worldwide Fund for Nature International (WWF)** (cetacean programme) – 2016-date
- **Advisor to the BBC Wildlife Fund** – helping to select projects for funding – 2010-2011
- **Member of the Institution of Environmental Science** – 1992 –date
- **Joint Coordinator of the Emergency Task Force** UNEP Marine Mammal Action Plan 1991-1994
- **Joint Convener** of the First and Second meetings of the Scientific Advisory Committee of UNEP's Marine Mammal Action Plan (1991, 1993)
- **Trustee, Earthkind** (Environmental Charity) 1994
- **Member Scientific Advisory Committee** of MEDDASSETT (The Mediterranean Association to Save the Sea Turtle) 1994-1996
- **Chartered Biologist and Member of the Royal Society of Biology** 1988 – date.
- **Churchill Fellow** – awarded Winston Churchill Travelling Fellowship 1983
- **Scientific Fellow** - Zoological Society of London 1983- date
- **Trustee** – Bardsey Bird and Field Observatory 2017-date

### **Other memberships**

The Society of Authors and Artists, Royal Society for the Prevention of Cruelty to Animals, Royal Society for the Protection of Birds, National Trust, Mammal Society, Avon Wildlife Trust and others.

### **Editing and refereeing**

Including *Nature*, *Journal of Marine Biological Association*, *Journal of Environmental Management*, *Oryx*, etc.

### **Selection of publications**

*Author or joint author of over 200 publications, including almost 40 contributions to peer-reviewed journals and six books (editor or author highlighted in blue below).*

For more details of scientific publications please see Researchgate entries here:  
[https://www.researchgate.net/profile/Mark\\_Simmonds](https://www.researchgate.net/profile/Mark_Simmonds)

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## 2015

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## Pre-2006

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- K. Macleod, M.P. Simmonds and E. Muray 2003. Summer distribution and relative abundance of cetacean populations off north-west Scotland. *Journal of the Marine Biology Association U.K* 83: 1187 – 119
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## **ANNEX 5**

### **NOMINATION OF DR HOLLY JONES FOR THE ROLE OF COP-APPOINTED COUNCILLOR - INVASIVE SPECIES**

*(submitted by the Government of New Zealand)*



## Marco Barbieri

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**From:** Graeme Taylor <gtaylor@doc.govt.nz>  
**Sent:** Monday, 17 February 2020 19:00  
**To:** Marco Barbieri; Melanie Virtue  
**Cc:** Alexandra Macdonald; Narelle Montgomery  
**Subject:** Nomination of COP-appointed Councillor for Invasive Species - Professor Holly Jones

Dear Marco

At the 4<sup>th</sup> Sessional Committee meeting of the CMS Science Council, new COP-appointed councillor positions were recommended in a paper presented at the meeting to further advance the work of the Convention. One of the specialist areas recommended for the next triennium was an expert to lead a programme of work dealing with the impacts of invasive species (animals, plants and diseases) on a wide range of migratory species, especially on oceanic islands but increasingly on continental areas as new unwanted organisms spread their range globally. New Zealand was recognised as an island nation where invasive species have had a devastating impact on biodiversity, but also where innovative solutions have been found to control pests and restore species and ecosystems. We were asked to look for suitable experts to assist the Convention on this topic.

As New Zealand's Science Councillor for CMS, I am very pleased to formally nominate Professor Holly Jones from Northern Illinois University (USA) for the position of COP-appointed Science Councillor specialising in invasive species. Holly has had a long and outstanding career spanning two decades where she has led studies on the impacts of invasive species on the ecology of island communities. Her papers published in prestigious science journals have collated the impacts of invasive species and reviewed the programmes of work being done internationally to avert the biodiversity crisis caused by invasive species. Invasive species and organisms have already caused numerous extinctions for migratory and non-migratory birds, reptiles and invertebrates, especially on island ecosystems. Her understanding of this topic, global outreach and networks and passion about alerting people to this threatening process makes her ideal as a candidate to take on this new position on the CMS science council.

Holly has spent time in New Zealand working with her students to study the benefits of controlling and eradication of invasive species, including studying the recovery of migratory seabirds following pest removal. She is very adept at getting this research published in international journals and making people aware of the results through international conferences. She is keen to take on the new role to provide leadership in this field to assist CMS partner countries with understanding and managing the risks from invasive species and to champion the techniques being developed world wide but especially in New Zealand, Australia, USA and UK to reverse the impacts of invasive species on threatened migratory species.

Holly has written to the Secretariat to express her willingness to take on this new programme of work and has provided a CV of her accomplishments.

Yours sincerely

Graeme Taylor  
CMS Science Councillor for New Zealand  
Oceania representative on CMS Sessional Committee

Principal Science Advisor – Marine Species and Threats  
New Zealand Department of Conservation  
PO Box 10420

Wellington  
NEW ZEALAND

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Holly P Jones  
Associate Professor  
Biology, Institute for the Study of the Environment,  
Sustainability and Energy  
448 Montgomery Hall  
hjones@niu.edu  
815-753-7527  
17 February 2020



**Northern Illinois  
University**  
*College of Liberal Arts and  
Sciences*

Department of Biological Sciences  
DeKalb, Illinois 60115-2828  
815-753-1753  
Fax: 815-753-0461

Dear COP Councillor selection panel,

I am writing to express my interest in being appointed a Councillor in the subject area of Invasive Species. I have worked in this field for two decades and much of my research has centered on the impacts of invasive species on islands, the role of invasive species in the biodiversity crisis, and restoration of island systems. Moreover, my recent work in restored grassland ecosystems has broadened my expertise to invasive plant impacts on grassland communities. I am willing to serve as a councilor should I be appointed.

Sincerely,

A handwritten signature in black ink, appearing to be 'Holly P. Jones', with a long, sweeping flourish extending to the right.

Holly P. Jones

### Education History

Ph.D. (Forestry & Environmental Studies) – Yale University (2010)

M.Ph. (Forestry & Environmental Studies) – Yale University (2007)

B.Sc. (Ecology & Evolutionary Biology/Marine Biology) – University of California, Santa Cruz (2003)

### Appointments

Associate Professor, Northern Illinois University (August 2012 – current). Joint-appointed to Department of Biological Sciences and Institute for the Study of the Environment, Sustainability, and Energy

Science, Technology, and Environment Advisory Committee, Congresswoman Lauren Underwood (April 2019-current)

Lead Editor, Ecological Solutions and Evidence (December 2019-current)

Guest Editor for Special Feature, Journal of Ecology (January 2019-August 2019)

Associate Editor, Conservation Science and Practice (December 2018-December 2019)

Associate Editor, Biological Invasions (July 2016-December 2019)

Associate Editor, Ecological Restoration (May 2015-December 2019)

Research Associate, Institute for Applied Ecology New Zealand, Auckland University of Technology (September 2015 - current)

Adjunct Researcher, Institute for Marine and Antarctic Studies, University of Tasmania (August 2019-current)

Visiting Postdoctoral Scholar, UC Santa Cruz (August 2010 – August 2012), Environmental Studies Department. Advisor: Erika Zavaleta

Ecosystem Recovery and Resilience Consultant, The Nature Conservancy (TNC) and UC Santa Cruz (January 2011 – September 2011). Supervisor: Peter Kareiva

Ecosystem-based Adaptation Consultant, Conservation International and UC Santa Cruz (August 2010 – August 2012). Supervisor: David Hole

### Publications

**Peer reviewed journal articles.** \*Indicates graduate or undergraduate students

1. Bowler, D., Bjorkman, A.D., Dornelas, M., Myers-Smith, I., Navarro, L., Niamir, A., Supp, S.R., Waldock, C., Vellend, M., Blowes, S.A., Böhning-Gaese, K., Bruelheide, H., Elahi, R., Antao, L., Hines, J., Isbell, F., **Jones, H.P.**, Magurran, A., Winter, M., Bates, A. The geography of the Anthropocene differs between the land and the sea. *People and Nature*. In press.
2. Barber, N.A., Hosler, S.\*, Whiston, P.\*, and **Jones, H.P.** Initial responses of dung beetle communities to bison reintroduction in restored and remnant tallgrass prairie. *Natural Areas Journal*. In press.
3. Burke, A.M.\*, Barber, N.A., and **Jones, H.P.** Early small mammal responses to bison reintroduction and prescribed fire in restored tallgrass prairies. *Natural Areas Journal*. In press.
4. Cooke, S. J., Bennett, J. R., and **Jones, H. P.** (2019). We have a long way to go if we want to realize the promise of the “Decade on Ecosystem Restoration”. *Conservation Science and Practice*, 1(12), e129.
5. Blowes, S.A. Supp, S.R., Antão, L.H. Bates, A., Bruelheide, H., Chase, J.M., Moyes, F., Magurran, A., McGill, B., Myers-Smith, I., Winter, M., Bjorkman, A.D., Bowler, D., Byrnes, J., Gonzalez, A., Hines, J., Isbell, F., **Jones, H.P.**, Navarro, L.M., Thompson, P., Vellend, M., Waldock, C., Dornelas, M. 2019. The geography of biodiversity change in marine and terrestrial assemblages. *Science*, 366(6463), 339-345.

6. **Jones, H. P.**, Barber, N. A., & Gibson, D. J. (2019). Is phylogenetic and functional trait diversity a driver or a consequence of grassland community assembly? *Journal of Ecology*, 107(5), 2027-2032.
7. Barber, N. A., Farrell, A. K. \*, Blackburn, R. C. \*, Bauer, J. T., Groves, A. M., Brudvig, L. A., & **Jones, H. P.** (2019). Grassland restoration characteristics influence phylogenetic and taxonomic structure of plant communities and suggest assembly mechanisms. *Journal of Ecology*, 107(5), 2105-2120.
8. **Jones, Holly P.**, Peter C. Jones, Edward B. Barbier, Ryan C. Blackburn\*, Jose M. Rey Benayas, Karen D. Holl, Michelle McCrackin, Paula Meli, Daniel Montoya, and David Moreno Mateos. (2019). We agree with Larkin et al. 2019: restoration is context specific. *Proceedings of the Royal Academy of Sciences B* 286(1907): 20191179.
9. Chase, J. M., McGill, B. J., Thompson, P. L., Antão, L. H., Bates, A. E., Blowes, S. A., Dornelas, M. , Gonzalez, A. , Magurran, A. E., Supp, S. R., Winter, M. , Bjorkman, A. D., Bruelheide, H. , Byrnes, J. E., Cabral, J. S., Elahi, R. \*, Gomez, C. , Guzman, H. M., Isbell, F., Myers-Smith, I. H., **Jones, H. P.**, Hines, J. , Vellend, M. , Waldock, C\*. and O'Connor, M. (2019), Species richness change across spatial scales. *Oikos*. 128(8), 1079-1091.
10. **Jones, H.P.**, Campbell, K. J., Burke, A. M.\*, Baxter, G. S., Hanson, C. C., & Mittermeier, R. A. (2018). Introduced non-hominid primates impact biodiversity and livelihoods: management priorities. *Biological Invasions*, 20(9), 2329-2342.
11. Stanford, B.\*, **Jones, H.P.**, & Zavaleta, E.Z. 2018. Meta-analysis of the effects of upstream land cover on stream recovery. *Conservation Biology*, 33(2), 351-360.
12. **H.P. Jones**, P.C. Jones, E.B. Barbier, R.C. Blackburn\*, J.M.R. Benayas, K.D. Holl, M. McCrackin, P. Meli, D. Montoya, D.M. Mateos. 2018. Restoration and repair of Earth's damaged ecosystems. *Proceedings of the Royal Academy of Sciences B* 285(1873): 20172577.
13. Brooke, M.D.L., Bonnaud, E., Dilley, B.J., Flint, E.N., Holmes, N.D., **Jones, H.P.**, Provost, P., Rocamora, G., Ryan, P.G., Surman, C. and Buxton, R.T., 2018. Enhancing the value of future island eradications needs improved understanding of past outcomes. *Animal Conservation*, 21(1):19-20.
14. Brooke, M de L., E. Bonnaud, B.J. Dilley, B. Flint, N.D. Holmes, **H.P. Jones**, P. Provost, G. Rocamora, P.G. Ryan, C. Surman, R.T. Buxton. 2018. Seabird population change following mammal eradications on islands. *Animal Conservation* 21(1): 3-12.
15. Barber, N.A., K.A. Lamagdeleine-Dent, J.E. Willand, **H. P. Jones**, K.W. McCravy. 2017. Species and functional trait re-assembly of ground beetle communities in restored grasslands. *Biodiversity and Conservation* 26(14) 3481-3498.
16. Rocha, Ricardo, Miguel M. Sequeira, Leo R. Douglas, Manuela Gouveia, Roberto Jardim, José Jesus, Holly P. Jones, and Danilo Russo. 2017. Extinctions of introduced game species on oceanic islands: curse for hunters or conservation opportunities? *Biodiversity and Conservation* 26(10): 2517-2520.
17. Gerstner, K., D. Moreno Mateos, J. Gurevitch, M. Beckman, S. Kambach, **H.P. Jones**, R. Seppelt. 2017. Will your paper be used in a meta-analysis? Make the reach of your research broader and longer-lasting. *Methods in Ecology and Evolution* 8(6), 777-784.
18. Meli, P., K.D. Holl, J.M.R. Benayas, **H.P. Jones**, P.C. Jones\*, D. Montoya, and D.M. Mateos. 2017. A global review of past land use, climate, and active vs. passive restoration effects on forest recovery. *PloS One*, 12(2), e0171368.
19. Moreno Mateos, D. E.B. Barbier, P.C. Jones\*, **H.P. Jones**, J. Aronson, M.L. McCrackin, P. Meli, D. Montoya, and J. M. Rey Benayas. 2017. Anthropogenic ecosystem disturbance and the recovery debt. *Nature Communications* 9, 14163.

20. McCrackin, M. **H.P. Jones**, D. Moreno Mateos, and P.C. Jones\*. 2017. Incomplete recovery of lakes and coastal marine ecosystems from eutrophication: A global meta-analysis. *Limnology and Oceanography*, 62(2), 507-518.
21. Barber, N. A., **H. P. Jones**, M. R. Duvall, W. P Wysocki\*, M. J.Hansen, and D. J. Gibson 2017. Phylogenetic diversity is maintained despite richness losses over time in restored tallgrass prairie plant communities. *Journal of Applied Ecology*, 54(1), 137-144.
22. Milman, A, J.M. Marston, S.E. Godsey, J. Bolson, **H.P. Jones**, and C.S. Weiler. 2017. Scholarly Motivations to Conduct Interdisciplinary Climate Change Research. *Journal of Environmental Studies and Sciences* 7(2): 239-250.
23. **Jones, H.P.**, N.D. Holmes, S.H.M. Butchart, B.R. Tershy, P.J. Kappes\*, I. Corkery, A. Aguirre-Muñoz, D.P. Armstrong, E. Bonnaud, A.A. Burbidge, K. Campbell, F. Courchamp, P. Cowan, R.J. Cuthbert, S. Ebbert, P. Genovesi, G.R. Howald, B.S. Keitt, S.W. Kress, C.M. Miskelly, S. Oppel, S. Poncet, M.J. Rauzon, G. Rocamora, J.C. Russell, A. Samaniego-Herrera, P.J. Seddon, D.R. Spatz\*, D.R. Towns, and D.A. Croll. 2016. Invasive mammal eradication on islands results in substantial conservation gains. *Proceedings of the National Academy of Sciences*, 113(15), 4033-4038. Featured in LA Times, Newsweek, IFL Science, Popular Science, New Zealand Radio, and other news outlets.
24. Madura, P. T.\*, and **Jones, H. P.** 2016. Invasive species sustain double-crested cormorants in southern Lake Michigan. *Journal of Great Lakes Research*, 42(2), 413-420. Featured in Great Lakes Echo.
25. Russell, J. C., **H. P. Jones**, D. P. Armstrong, F. Courchamp, P. J. Kappes\*, P. J. Seddon, S. Oppel, M. J. Rauzon, P. E. Cowan, G. Rocamora, P. Genovesi, E. Bonnaud, B. S. Keitt, N. D. Holmes, and B. R. Tershy. 2016. Importance of lethal control of invasive predators for island conservation. *Conservation Biology*, 30(3), 670-672.
26. Schweizer, D. \*, **Jones, H. P.**, & Holmes, N. D. 2016. Literature Review and Meta-Analysis of Vegetation Responses to Goat and European Rabbit Eradications on Islands. *Pacific Science*, 70(1), 55-71.
27. Borrelle, S.B.\*, Buxton, R.T., **Jones, H.P.** and Towns, D.R. 2015. A GIS-based decision making approach for prioritizing seabird management following predator eradication. *Restoration Ecology*, 23(5): 580-587.
28. Kappes, P.\* and **H.P. Jones**. 2014. Integrating seabird restoration and mammal eradication programs on islands to maximize conservation gains. *Biodiversity Conservation*, 23(2): 503-509.
29. Phelan, L., **H.P. Jones**, and J. Marlon. 2013. Bringing new PhDs together for interdisciplinary climate change research. *Eos* 94(5): 57.
30. **Jones, H.P.**, D. Hole, and E.S. Zavaleta. 2012 Harnessing nature to help people adapt to climate change. *Nature Climate Change* 2(7):504-509.
31. **Jones, H.P.** and Kress, S.W. 2012. Global review of active seabird restoration projects. *Journal of Wildlife Management*, 76(1): 2-9. Featured on the journal cover.
32. **Jones, H.P.** 2010. Seabird islands take mere decades to recover following rat eradication. *Ecological Applications* 20(8): 2075-2080. Featured on the journal cover.
33. **Jones, H.P.** 2010. Prognosis for ecosystem recovery following rodent eradication and seabird restoration in an island archipelago. *Ecological Applications* 20(5):1204-1216. Reviewed on Faculty 1000.
34. **Jones, H.P.** and O.J. Schmitz. 2009. Rapid recovery of damaged ecosystems. *PLoS ONE* 4(5): e5653. doi:10.1371/journal.pone.0005653. Featured on NPR, in The Economist Magazine, Faculty 1000 and Nature Research Highlights.
35. **Jones, H.P.**, B.R. Tershy, E.S. Zavaleta, D.A. Croll, B.S. Keitt, and M.E. Finkelstein. 2008. Severity of the effects of invasive rats on seabirds: A global review. *Conservation Biology* 22(1): 16-26. Featured on the journal cover.

36. **Jones, H.P.**, R.W. Henry III, G.R. Howald, B.R. Tershy, and D.A. Croll (2005). Predation of artificial Xantus's Murrelet nests before and after black rat eradication. *Environmental Conservation* 32(4): 320-325.

***Peer reviewed book chapters***

1. **Jones, H. P.** 2013. The impact of ecological restoration on ecosystem services. Pages 199-208 in S. Levin, editor. *The Encyclopedia of Biodiversity*, 2nd Edition. Elsevier, New York.
2. **Jones, H.P.**, D.R. Towns, T. Bodey\*, C.M. Miskelly, J. Ellis, M.J. Rauzon, S.W. Kress, and M. McKown\*. 2011. Chapter 11: Recovery and restoration on seabird islands in C.P.H. Mulder, D.R. Towns, W.B. Anderson, and P.J. Bellingham, editors. *Seabird Islands: Ecology, Invasion, and Restoration*. Oxford University Press, Oxford.
3. Towns, D.R., G.V. Byrd, **H.P. Jones**, M.J. Rauzon, J.C. Russell and C. Wilcox. 2011. Chapter 3: Impacts of introduced predators on seabirds in C.P.H. Mulder, D.R. Towns, W.B. Anderson, and P.J. Bellingham, editors. *Seabird Islands: Ecology, Invasion, and Restoration*. Oxford University Press, Oxford.
4. Mulder, C.P.H., **H.P. Jones**, K. Kameda, C. Palmborg, S. Schmidt, J.C. Ellis, J L. Orrock, D.A. Wait, D.A. Wardle, L. Yang, H. Young, D.A. Croll, and E. Vidal. 2011. Chapter 5: Impacts of Seabirds on Plant and Soil Properties in C.P.H. Mulder, D.R. Towns, W.B. Anderson, and P.J. Bellingham, editors. *Seabird Islands: Ecology, Invasion, and Restoration*. Oxford University Press, Oxford.
5. Schmitz, O.J., **H. P. Jones** and B.T. Barton. 2007. Scavengers. *Encyclopedia of Ecology*. Elsevier, UK.

***Commentary and outreach pieces***

1. I co-curate and often contribute to a blog about the unique experiences of women and non-binary people who do field work. <https://fieldsecrets.wordpress.com/> I wrote four posts this year: <https://fieldsecrets.wordpress.com/2019/10/02/toxic-masculinity/> <https://fieldsecrets.wordpress.com/2019/06/04/motivate-your-crew/> <https://fieldsecrets.wordpress.com/2019/05/21/introvert-fielding/> <https://fieldsecrets.wordpress.com/2019/02/11/whos-your-femfieldhero/>
2. Buxton, R., Wang, S., Phillips, E., H.P. Jones, Major, H., Provencher, J. [How work-family justice can bring balance to scientist moms](#). *Scientific American*. Published April 11, 2019.
3. Barber, L. K., Barber, N. A., and **H.P. Jones**. 2017. PhD students: living wage key to diversity. *Nature*, 550(7676), 333-333.
4. **Jones, H.P.** 2017. My Journey as a Woman in STEM. Island Conservation Blog. <https://www.islandconservation.org/holly-jones-woman-stem/>

**Grants**

- Evaluating ecosystem recovery from invasive mammal removal on islands globally. H.P. Jones. National Geographic Committee for Research Exploration (2017-2020) \$34,000
- The ecosystem consequences of management disturbances: examining the community-trait-function relationships of consumers in a restored grassland. H.P. Jones (lead PI) and Nick Barber (co-PI but contributed equally). National Science Foundation EAGER plus REU Supplement (2016-2018) \$206,250
- Using drones to monitor grassland responses to shifting climate and restoration. H.P. Jones. Parrot Sequoia and Pix4D (2017) \$5,000 (drone + Parrot Sequoia)
- Ecological Assessment of District Lands. H.P. Jones, Nick Barber, and Rich King. Lake County Forest Preserve Grant (2014, 2015, 2016-2019) \$41,000 per annum in 2014-2015; \$205,530 in 2016-2019

- A restoration synthesis. National Center for Socioeconomic Environmental Synthesis Center (SESYNC), sDIV, and the Helmholtz Center for Environmental Research Synthesis Working Group Grant. Holly Jones (lead PI) and David Moreno-Mateos (co-PI) (2013-2015) \$72,000
- The effects surrounding land uses and restoration strategy on ecosystem recovery after severe perturbations. Holly Jones. Northern Illinois University Research and Artistry Grant (2012) \$15,000
- Island restoration and recovery following invasive species removal. Holly Jones. Northern Illinois University Research and Artistry Grant (2012) \$15,000
- Using a multi-trophic approach to evaluate ecosystem response to prairie restoration. American Philosophical Society Franklin Grant (2013) \$6,000
- Using a chronosequence to investigate ecosystem recovery following invasive rat eradication. Holly Jones. National Science Foundation Doctoral Dissertation Enhancement Project Grant (2009; Awarded but declined because my dissertation was finished)
- Using a unique research design to evaluate island restoration efficacy: An ecosystem-scale natural experiment. Holly Jones. National Geographic Committee for Research Exploration Grant (2008) \$15,000
- Conservation of Island Ecosystems Using Seabird Restoration. Holly Jones. Sophie Danforth Conservation Biology Fund (2007) \$1,000
- Evaluating ecosystem recovery following invasive species removal. Holly Jones. Yale Institute for Biospheric Studies Pilot Grant (2006, 2007) \$2,000 per annum
- Evaluating ecosystem recovery following invasive species removal. Holly Jones. American Philosophical Society Lewis and Clark Exploration Grant (2006, 2007) \$3,000 per annum

#### **Awards, Honors, and Professional Development**

- Northern Illinois University Graduate Council – Elected position (2016 – 2019)
- Northern Illinois University Student Engagement Fund Mentor (2015-current)
- Northern Illinois Research and Innovation Action Council (2017-current)
- Northern Illinois University Faculty Mentor of the Year Nominee (2016)
- Northern Illinois University Research Rookies Mentor (2016)
- Northern Illinois University McKearn Fellow Mentor (2016)
- Northern Illinois University Undergraduate Research Apprenticeship (URA) Faculty (2014, 2015)
- Northern Illinois University Undergraduate Research Apprenticeship Program (URAP) Faculty (2013, 2014)
- Northern Illinois University Cobb Fellowship (2014) \$2,500
- National Center for Ecological Analysis and Synthesis (NCEAS) Summer Institute (2013) – I was one of just 20 people to be selected to attend this data carpentry, analysis, and synthesis workshop. We learned from experts such as Ben Bolker and Nancy Baron and I established collaborations with a variety of researchers as well.
- DISCCRS (DISsertations initiative for the advancement of Climate Change ReSearch) VII (October 2012) – I was selected among a large pool of applicants to be one of 30 early career scholars to participate in this symposium for professionals pursuing climate change research.
- Leopold Schepp Foundation Fellow (2006, 2007) \$4,000 per annum

#### **Symposia and Professional Speaking. \*Indicates Presenter**

- Nachusa Grasslands Annual Science Symposium **Keynote** (2019). The Restoring Function in Grassland Ecosystems (ReFuGE) Project – Impacts of bison, fire, and restoration age to food webs and ecosystem function. H.P. Jones, N.A. Barber, A. Burke, H. Herakovich, R.



- Blackburn, K. Feller, N. Steijn, A. Farrell, S. Hosler, M. Nelson, E. Rowland, P. Guiden.  
Invited talk.
- Chicago Botanic Garden (2019). Bison impacts on plants and animals in a world-class prairie restoration. H.P. Jones. Invited talk.
- STEM Café: Bison and Brews (2019). Bison impacts on plants and animals in a world-class prairie restoration. H.P. Jones. Invited talk for the public.
- Iowa State University (2019). Seismic shifts in island food webs: Island responses to invasive mammal removal. H.P. Jones. Invited talk.
- St. Olaf University (2019). Potential for restoring Earth's damaged ecosystems. H.P. Jones. Invited talk.
- Morton Arboretum (2019). Bison impacts on plants and animals in a world-class prairie restoration. H.P. Jones. Invited talk.
- Florida Atlantic University Frontiers in Science (2019). Potential for restoring Earth's damaged ecosystems. H.P. Jones. Boca Raton, FL, USA. Invited talk to the public.
- Oceanic Storytellers Seabird Seminar: Research, Monitoring, Restoration (2019). Changes in nesting habitat and seabird activity after island restoration. C.N. Wails\*, G. Dell'Ariccia, T. Landers, C. Gaskin, D. Towns, H.P. Jones. Invited presentation.
- Auckland University of Technology biology seminar series (2019). Keeping up with the tubenoses: Vegetative succession and seabird activity during passive island recovery. C.N. Wails\*, G. Dell'Ariccia, T. Landers, C. Gaskin, D. Towns, H.P. Jones. Invited presentation.
- BirdFest Research Session (2019). Seabird conservation abroad: Identifying threats and promoting recovery. C.N. Wails\*, W. Holthuijzen\*, L. Rankin, H.P. Jones.
- BirdFest Research Session (2019). Assessing bird-window collisions at Northern Illinois University. H. Borden\*, H. Herakovich, C.N. Wails, H.P. Jones.
- NIU Research and Artistry Day (2019). Assessing the frequency and seasonality of bird-window collisions at NIU. H. Borden\*, H. Herakovich, C.N. Wails, H.P. Jones.
- NIU Research and Artistry Day. (2019). Of mice and bugs: the impacts of invasive house mice (*Mus musculus*) on arthropod diversity on Midway Atoll National Wildlife Refuge. E.S. Pacheco Grande\*, S. Naughton\*, W.A. Holthuijzen, H.P. Jones.
- NIU Research and Artistry Day. (2019). Responses of orders hymenoptera and coleoptera to invasive mice on Midway Atoll National Wildlife Refuge. K.J. Rosenberger\*, W.A. Holthuijzen, H.P. Jones.
- NIU Phi Sigma Research Symposium. (2019). Fly on the wall: monitoring ecological impacts of invasive house mice via arthropod communities. W.A. Holthuijzen\*, B.N. Flint, J.H. Plissner, K.J. Rosenberger, C.A. Wolf, H.P. Jones.
- Sand Bluff Bird Observatory Bird Fest. (2019). Seabird conservation abroad: identifying threats and promoting recovery. C.N. Wails\*, W.A. Holthuijzen\*, L. Rankin, H.P. Jones.
- Society for Ecological Restoration Midwest Great Lakes Chapter Annual Scientific Meeting. (2019). Fly on the wall: monitoring ecological impacts of invasive house mice via arthropods. W.A. Holthuijzen\*, B.N. Flint, J.H. Plissner, K.J. Rosenberger, C.A. Wolf, H.P. Jones.
- NIU Phi Sigma Research Symposium (2019). Occupancy and co-existence of domestic cats and mesocarnivores in a suburban preserve system. J. Vanek\*, R.B. King, H.P. Jones, G.A. Glowacki.
- Pacific Seabird Group Conference, 2019. Seabird responses to invasive mammal removal and their influence on terrestrial and nearshore island ecosystem recovery. H.P. Jones\*, S. Borrelle, L. Rankin, C. Wails.
- The Wildlife Society 25<sup>th</sup> Annual Conference (2018). Occupancy and co-existence of domestic cats and mesocarnivores in a suburban preserve system. J. Vanek\*, R.B. King, H.P. Jones, G.A. Glowacki

- Lincoln Park Zoo (2018): Bison impacts on plants and animals in a world-class prairie restoration. H.P. Jones. Wilmington, IL, USA. Invited talk to the public.
- Lifelong Learning Institute, NIU (2018): Bison impacts on plants and animals in a world-class prairie restoration. H.P. Jones. This was an invited talk to researchers and land managers at Midewin. DeKalb, IL, USA. Invited talk to the public.
- Coalition for National Science Funding Conference (May 2018). Impacts of reintroduced bison and prescribed fire in one of the world's most threatened ecosystems. H.P. Jones and N.A. Barber. Washington D.C., USA. This was a conference that showcased NSF funded research to members of Congress and their staff. I was invited by NIU Federal Outreach Professional Anna Quider, and we met with Senator Tammy Duckworth's and Congresswoman Jan Schakowsky's staff and we had a meeting with staffers on the Research and Technology sub-committee of the House Science, Space, and Technology Committee.
- University of Illinois Urbana-Champaign (2018). Potential for restoring Earth's damaged ecosystems. H.P. Jones. Urbana-Champaign, IL, USA. Invited talk.
- Geography and Geosciences Seminar Series, NIU (2018). H.P. Jones. Potential for restoring Earth's damaged ecosystems. H.P. Jones. DeKalb, IL, USA. Invited talk.
- Washington University St. Louis, Tyson Research Station (2018). Potential for restoring Earth's damaged ecosystems. H.P. Jones. St. Louis, MO, USA Invited talk.
- Grand Valley State University (2018). Potential for restoring Earth's damaged ecosystems. H.P. Jones Allendale, MI, USA. Invited talk.
- Northern Illinois University. (2018) Science Communication. H.P. Jones. DeKalb, IL, USA. Invited talk to share what I learned at the National Geographic Society Storytelling Bootcamp.
- Midewin Tallgrass Prairie (2018): Bison impacts on plants and animals in a world-class prairie restoration. H.P. Jones. Wilmington, IL, USA. Invited talk
- Ecological Society of America Conference, 2018. Influences of initial conditions, time, and disturbance on plant phylogenetic community structure along a successional restoration gradient Nicholas A. Barber\*, Ryan C. Blackburn, Anna K. Farrell, and Holly P. Jones. New Orleans, USA
- Ecological Society of America Conference, 2018. Dung beetle functional traits related to restoration management practices in tallgrass prairie Sheryl C. Hosler\*, Holly P. Jones and Nicholas A. Barber. New Orleans, USA
- Ecological Society of America Conference, 2018. Of mice and management: Small mammals and the impacts of herbicide at a restored prairie. Nick Steijn\*, Kirstie Savage and Holly P. Jones. New Orleans, USA
- Ecological Society of America Conference, 2018. Inclusion of intraspecific variation does not improve predictive power of functional diversity for ecosystem function in restored prairie plant communities. Anna K. Farrell\*, Ryan C. Blackburn, Holly P. Jones, and Nicholas A. Barber. New Orleans, USA.
- Ecological Society of America Conference, 2018. The ecosystem consequences of management disturbances: Examining the community-trait-function relationships of small mammals in a restored grassland. Holly P. Jones\*, Nicholas A. Barber, Kirstie Savage, Nick Steijn, Ryan C. Blackburn and Anna K. Farrell. New Orleans, USA.
- Ecological Society of America Conference, 2018. Competition and niche specialization during community reassembly in the world's seabird biodiversity hotspot. Christy N. Wails\* and Holly P. Jones. New Orleans, USA.
- National Geographic Society, 2018. Island conservation elevator pitch. Holly P. Jones. This was a short talk given to around 150 National Geographic employees about the research for which they funded me.

- British Ornithology Union Twitter Conference (2017). Sentinels of the sea: Status, threats, and hope for global seabird conservation. I was a Keynote presenter for this conference on Twitter.
- Elgin Public Museum (2017): Bison impacts on flora and fauna in a world-class prairie restoration. H.P. Jones. This was an invited talk to the public. Elgin, IL, USA.
- Nachusa Grasslands Annual Science Symposium (2017). ReFuGE - Restoring Function in Grassland Ecosystems. N.A. Barber and H.P. Jones. Invited.
- Ecological Society of America (2017). I co-organized an oral session entitled Re-Establishing Consumer Communities and Consumer-Driven Function in Restored Ecosystems.
- Ecological Society of America (2017). Small mammal responses to bison reintroduction and prescribed fire in a restored prairie. H.P. Jones, A.M. Burke, N. Steijn, K. Savage. Invited.
- Ecological Society of America (2017). The effects of bison reintroduction on grassland bird nest success in a tallgrass prairie. H. Herakovich\* and H.P. Jones.
- Ecological Society of America (2017). Structure and function of dung beetle communities in response to grazing and prescribed fire in restored tallgrass prairie. N.A. Barber\*, P. Whiston, H.P. Jones.
- Ecological Society of America (2017). Using stable isotope analysis to measure nearshore recovery of seabird islands following rodent eradication in New Zealand. L. Rankin\* and H.P. Jones.
- Ecological Society of America (2017). Quantifying coyote dietary niche width in a restored grassland. Kirstie Savage\* and H.P. Jones.
- Ecological Society of America (2017). Floral and soil stoichiometric (C:N) response to prescribed fire in tallgrass prairie. J. Heise\*, N.A. Barber, R.C. Blackburn, C. Chantos, H.P. Jones
- Ecological Society of America (2017). Vegetation impacts of reintroduced bison in a restored tallgrass prairie and the ability of UAV imagery to assess them. R.C. Blackburn\* and H.P. Jones.
- International Congress for Conservation Biology (2017) Estimating the population level impacts of anthropogenic at-sea threats to seabirds. S. Borrelle\*, H.P. Jones, R. Salguero-Gomez, D.R. Towns.
- Severson Dells Nature Center (2017): Bison impacts on flora and fauna in a world-class prairie restoration. H.P. Jones. This was an invited talk to the public. Rockford, IL, USA.
- Nachusa Grasslands Annual Science Symposium (2016). Small mammal responses to bison reintroduction and prescribed fire in one of the world's most threatened ecosystems. A.M. Burke\* and H.P. Jones. Invited.
- North American Prairie Conference (2016). Small mammal response to bison reintroduction in a world-class prairie restoration. H.P. Jones and A.M. Burke\*
- International Island Biology Conference (2016). Island restoration through invasive mammal eradication. James Russell\*, Nick Holmes, Holly Jones.
- University of Rockford. (2016). How can restoration help repair biodiversity and contribute to human well-being? H.P. Jones\*. I was invited for the Departmental Seminar.
- University of Illinois, Chicago (2016). Island restoration and recovery following invasive rat removal. H.P. Jones\*. I was invited for the Departmental Seminar.
- Universidad de Alcalá, Spain (2016). Island restoration and recovery following invasive rat removal. H.P. Jones\*. I was invited for the Departmental Seminar.
- University of Arkansas. (2015). Seabird island restoration and recovery following invasive rat removal. H.P. Jones\*. I was invited as the Graduate Colloquium Speaker.
- International Congress for Conservation Biology (2015) - Benefits of invasive mammal removal to native island fauna. H.P. Jones\*, N.D. Holmes, S.H.M. Butchart, B.R. Tershy, P.J. Kappes, I. Corkery, A. Aguirre-Muñoz, D.P. Armstrong, E. Bonnaud, A.A. Burbidge, K. Campbell, F. Courchamp, P. Cowan, R.J. Cuthbert, S. Ebbert, P. Genovesi, G.R. Howald, B.S. Keitt, S.W.

- Kress, C.M. Miskelly, S. Oppel, S. Poncet, M.J. Rauzon, G. Rocamora, J.C. Russell, A. Samaniego-Herrera, P.J. Seddon, D.R. Spatz, D.R. Towns, and D.A. Croll.  
STEM Cafe. Breakfast with the Bison talk and prairie tour (2015). H.P. Jones\* and Nick Barber\*. ~200 participants. August 2015.
- Joint Aquatic Sciences Meeting (2014) - Slow recovery of lakes, wetlands, and coastal areas from eutrophication. M. McCrackin\* and H.P. Jones.
- University of Massachusetts Boston (2014). The potential for ecosystem restoration in the Anthropocene. H.P. Jones\*. Invited panelist for a mini-conference on ecosystem restoration and management.
- Winter Trails & Naturalist Tales - Illinois extension conference (2013) Ecosystem recovery after severe disturbances. H.P. Jones. I was invited as one of the keynote speakers for this public conference.
- 97<sup>th</sup> Annual Ecological Society of America Meeting (2012) – Harnessing nature to help people adapt to climate change: Identifying global high-priority areas for coastal ecosystem-based adaptation. H.P. Jones\*, D. Hole, B. Nickel, E. Zavaleta.
- Island Restoration Symposium, Society for Conservation Biology (2011) – I organized and chaired a symposium on the restoration and conservation outcomes on islands following invasive species eradication. I gave a talk at the symposium, Taking eradication funding and measurable outcomes one step further – Restoring island ecosystems.
- 25<sup>th</sup> Meeting of the Society for Conservation Biology (December 2011). Repair and recovery of damaged nature. H.P. Jones\*, P. Kareiva, M. Mariver, E. Zavaleta.
- UC Santa Cruz Environmental Studies Seminar Series (February 2011) – Setting ecosystem-based adaptation goals for climate change and prioritizing restoration projects.
- World Seabird Conference (September 2010). Worldwide seabird restoration projects. H.P. Jones\* and S. Kress. Invited presentation.
- 1<sup>st</sup> International Wildlife Reintroduction Conference (April 2008). Review of seabird reintroduction projects worldwide. H.P. Jones\* and S. Kress.
- 3<sup>rd</sup> Joint Conference of the NZ Ecological Society and the Ecological Society of Australia (August 2006). What makes seabirds defenseless to invasive rats? An analysis of seabird characteristics affecting vulnerability. H.P. Jones\*, B.R. Tershy, D.A. Croll, E.S. Zavaleta
- 20<sup>th</sup> Meeting of the Society for Conservation Biology (June 2006). What makes seabirds defenseless to invasive rats? An analysis of seabird characteristics affecting vulnerability. H.P. Jones\*, B.R. Tershy, D.A. Croll, E.S. Zavaleta.
- 6<sup>th</sup> California Islands Symposium (2003). Predation of artificial Xantus Murrelet nests before and after black rat eradication. H.P. Jones\*, B.R. Tershy, D.A. Croll, G.R. Howald.

### **Service outside the University**

#### ***Reviews***

- Tenure and Promotion Review – University of Michigan, Flint (2019)
- NSF Ad-hoc reviewer (2015-present)
- Outside Dissertation Review - Rachel Buxton, Ecological drivers of seabird recovery after the eradication of introduced predators. University of Otago, New Zealand (July 2014)
- NSF Population and Community Ecology grant panel (November 2017)
- NSF Antarctic Organisms and Ecosystems grant panel (July 2014)
- NSF DDIG grant panel (February 2013)
- NSF GRFP grant panel (January 2013)
- Biodiversa grant panel (April 2013)
- Outside reviewer for Natural Sciences and Engineering Research Council of Canada Grants (NSERC)
- Outside reviewer for National Geographic Society's Committee for Research Exploration

Outside reviewer for: *Animal Conservation, Antarctic Science, Biodiversity Conservation, Biological Conservation, Biological Invasions, Bioscience, Bird Conservation International, Conservation Biology, EcoHealth, Ecological Applications, Ecological Restoration, Ecology, Ecology Letters, Global Change Biology, Human Ecology, Journal of Applied Ecology, Journal of Fish and Wildlife Management, Journal of Wildlife Management, Methods in Ecology and Evolution, Nature Climate Change, Nature Ecology and Evolution, New Zealand Journal of Ecology, Oecologia, PlosBiology, PlosOne, PNAS, Population Ecology, Restoration Ecology, Proceedings of the Royal Society B - Biological Sciences, Science*

### ***Public Service Activities***

- |                |   |
|----------------|---|
| 2019           | HerStory: I was invited to come talk to girls in 3 <sup>rd</sup> -5 <sup>th</sup> grade interested in STEM about my life as a Conservation Biologist and scientist.   |
| 2017 - current | Bison Tours for Autumn on the Prairie. I led the public on tours of my field site, Nachusa Grasslands, for the preserve's annual public outreach event. Hundreds of people come to hear about bison and their impacts on the prairie.   |
| 2018           | I helped found and now co-curate <a href="#">a blog</a> about the unique experiences of women and non-binary people who work in the field. We post every two weeks, and started the hashtag #FemFieldPhoto, on which thousands of women posted pictures of themselves doing field work on social media. |
| 2017           | Skype a Scientist. I have participated in two Skype a Scientist sessions, one with a 2nd grade class in Maine and another with a 5th grade class in Alabama.  |
| 2017           | Montessori Academy Prairie Field Trip. My students and I led 1 <sup>st</sup> -8 <sup>th</sup> graders around our study site at Nachusa Grasslands, gave them demonstrations of science, and answered questions about prairie.   |
| 2016           | Stem Café: Breakfast with the Bison. Nick Barber and I co-led a breakfast Stem Café about Nachusa Grasslands' prairie restoration effort including reintroducing bison. We then led a tour of Nachusa. Over 200 people attended.  |
| 2016           | Small mammal trapping with 1 <sup>st</sup> -5 <sup>th</sup> graders. Montessori Academy Batavia. For the school's science summer camp, I came and set up small mammal traps and showed the students what we do when we trap small mammals.  |
| 2015           | Lecture for Larkin High School AP Environmental Science students. I talked about what biodiversity does for us in this lecture.   |
| 2015           | Diversity in the prairie. 1 <sup>st</sup> -5 <sup>th</sup> graders. Montessori Academy Batavia. I came and talked about the animals we see at the prairie and why it is important to Illinois.  |
| 2015           | Seabird sounds. Pre-K-K students. Montessori Academy Batavia. I came and played different seabird sounds and showed students pictures of seabirds that I have worked with.  |
| 2015           | NIU Anthropology Museum re-opening. I was photographed with a museum piece from New Zealand and featured in the exhibit.  |
| 2014           | NIU Anthropology Museum Biodiversity Exhibit. I made a poster about the island seabird research going on in the lab to be displayed in the Anthropology museum.   |

### ***Media Appearances***

- |      |   |
|------|---|
| 2019 | Overheard at National Geographic (Podcast). 2019. The zombie mice of Marion Island. <a href="https://www.nationalgeographic.com/podcasts/overheard/episode-5-zombie-mouse-island/">https://www.nationalgeographic.com/podcasts/overheard/episode-5-zombie-mouse-island/</a> |
| 2019 | From the Field Podcast. 2019. Reintroducing bison to the tallgrass prairie with Holly Jones. <a href="https://www.fromthefieldpodcast.com/episodes/episode-1/">https://www.fromthefieldpodcast.com/episodes/episode-1/</a>  |

- 2019 CNN "[Why bringing back bison could help restore America's lost prairie](#)" (November 27, 2019)
- 2019 Nature World News "[Bison: The unexpected solution to restoring the grassland](#)" (November 27, 2019)
- 2018 NIU Newsroom "[Fixing damaged ecosystems: How much does restoration help?](#)" (February 28, 2018)
- 2018 Chicago Tribune "[Should we let Mother Nature fix the ecosystem? NIU study says restoration work has mixed results, rarely succeeds fully](#)" (February 27, 2018)
- 2018 Science Daily "[Fixing damaged ecosystems: How much does restoration help?](#)" (March 1<sup>st</sup>, 2018)
- 2018 Phys.org "[Study suggests active restoration of damaged ecosystems not always better than nature](#)". (February 28, 2018)
- 2018 Phys.org "[Following disturbance, most waterways improve but don't fully recover within the study period, researchers found](#)" (July 27, 2018).
- 2018 Gizmodo "[Bison are helping rewild the last of the Midwest's prairies](#)" (October 31, 2018)
- 2017 WNIJ News "[An incredible place to discover](#)" (August 9<sup>th</sup>, 2017)
- 2016 Chicago Tribune "[Bison mania hits 95 miles west of Chicago as herd continues to grow](#)" (December 30, 2016)
- 2016 WNIJ News "[NIU Biologists use drones to monitor bison's effect on Nachusa Grasslands](#)" (October 22, 2016)
- 2016 NIU Newsroom "[Bird's eye view NIU researchers using drone to study effect of bison return to Nachusa](#)" (October 12, 2016) ([Video link](#))
- 2016 Al Jazeera America "[Bringing back the bison](#)" (September 11, 2016; Original air date July 2016)
- 2016 Great Lakes Echo "[Can cormorants help control Great Lakes invaders?](#)" (June 6, 2016)
- 2016 Kane County Chronicle "[NIU professor from Batavia fights species extinction](#)" (April 20, 2016)
- 2016 Otago Daily Times "[NZ methods earn praise](#)" (March 30, 2016)
- 2016 ABC Natural "[El peligro de las macotas en las islas](#)" (March 29, 2016)
- 2016 Birdwatch "[Invasive mammal eradication provides value for money and birds](#)" (March 27, 2016)
- 2016 Greenreport "[L'arma vincente contro la perdita di biodiversità? L'eradicazione dei mammiferi invasivi](#)" (March 24, 2016)
- 2016 Popular Science "[Repelling the invaders: Killing invasive species may be rough, but it works](#)" (March 23, 2016)
- 2016 Los Angeles Times "[To save native island animals from extinction, eradicate the uninvited guests, study finds](#)" (March 22, 2016)
- 2016 Newsweek "[Eradicating invasive mammals helps native island species thrive](#)" (March 22, 2016)
- 2016 Radio New Zealand "[New Zealand leads world in island conservation](#)" (March 22, 2016)
- 2016 Newshub "[NZ a world leader in pest eradication techniques](#)" (March 22, 2016)
- 2016 National Geographic "[Conservation Silver Bullet](#)" (March 21, 2016)
- 2016 TakePart "[When the Killing's Done, Island Wildlife Roars Back](#)" (March 21, 2016)
- 2016 Santa Cruz Sentinel "[Study shows biodiversity benefits of removing invasive mammals from islands](#)" (March 18, 2016)
- 2016 Science Coalition "[Why should science matter to presidential candidates?](#)" (February 29, 2016)
- 2015 NIU Newsroom "[Prairie state of mind](#)" (November 30, 2015) [Video Link](#)
- 2014 NIU Today "[Where the buffalo roam \(once again\)](#)" (September 29, 2014)
- 2010 Conservation Magazine "[Wounds that can heal](#)" (January 15, 2010)
- 2009 EcoDebate "[Meta-análise conclui que os ecossistemas podem se recuperar em uma geração](#)" (June 30, 2009)
- 2009 National Association of Science Writers "[Hope for accelerated ecosystem recovery](#)" (May 2009)
- 2009 Mongabay "[Polluted, degraded ecosystems can recover in less than a lifetime](#)" (May 31, 2009)
- 2009 Science Daily "[Most polluted ecosystems can recover](#)" (May 28, 2009)

**Holly Jones, Ph.D.**  
**University**  
**hjones@niu.edu**

**Associate Professor, Northern Illinois**

**(815) 753 - 7527**

- 2009 Ecological Society of America Blog "[Many disturbed ecosystems recoverable?](#)" (May 28, 2009)
- 2009 Common Dreams "[Damaged ecosystems not lost forever](#)" (May 27, 2009)
- 2009 Tri-City Herald "[The good news on damaged ecosystems: Some recover fast](#)" (May 27, 2009)
- 2008 National Geographic "[Rat invasions causing seabird decline worldwide](#)" (February 21, 2008)
- 2008 National Geographic "[Alien rats prey on seabirds worldwide](#)" (February 21, 2008)

### **References**

Richard King, Distinguished Research Professor  
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Oswald Schmitz, Oastler Professor of Community Ecology  
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## Marco Barbieri

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**From:** Malta Qwathekana <MQwathekana@environment.gov.za>  
**Sent:** Tuesday, 18 February 2020 18:51  
**To:** 'narelle.montgomery@environment.gov.au'; James Williams  
**Subject:** CV A Oteng-Yeboah 18022020.doc  
**Attachments:** CV A Oteng-Yeboah 18022020.doc

Dear Colleagues

Thanks for this opportunity to nominate. Please find attached Alfred's CV as sent by him agreeing that I can nominate him as he is keen to serve as a COP Appointed Councilor in the respective subject area of Terrestrial Mammals. Please inform me should you require anything more. My Mobile for whatsapp for anything urgent is +27780936266.

Regards

Malta

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# **CURRICULUM VITAE**

**NAME:** Alfred Apau Oteng-Yeboah

**DATE OF BIRTH:** 13 August 1946

**MARITAL STATUS:** Married

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Telephone: Mobile: +233 24 4 77 22 56

Fax : +233 302 66 28 02

## **EDUCATIONAL BACKGROUND**

BSc Ghana 1968

PhD Edinburgh 1972

## **CURRENT POSITION**

I am presently on post-retirement contract at the College of Basic and Applied Sciences, School of Biological Sciences, Department of Plant and Environmental Biology, University of Ghana, Legon

## **MAJOR RESPONSIBILITIES UP TO DATE**

**As a University Teacher: I have previously been responsible for training graduate students to MPhil and PhD levels in all the Universities I have taught.**

**As an environmentalist and advocate for biodiversity and ecosystem services: I have worked to engage people of all walks of life, to inform them about the nexus among biodiversity conservation, land degradation and climate change,**

**I have published extensively in reputable academic journals and also produced non-academic publications to educate the public on environmental issues.**

### INTERNATIONAL EXPERIENCES

1. Chair, 9<sup>th</sup> and 10<sup>th</sup> meeting of the Subsidiary Body on Scientific Technical and Technological Advice (SBSTTA) of the UN Convention on Biological Diversity (CBD). During my tenure which coincided with the WSSD and its Millennium Development Goals that discussion on the 2010 specific biodiversity target and goals and the new strategic vision for the CBD started to lead to the achievement of a substantial reduction in the loss of global biodiversity by 2010.
2. Member of the bureau of SBSTTA for its 11<sup>th</sup> meeting. The African group decided to keep me on the bureau of this body to support the in-coming Chair of SBSTTA 11 from Europe to ensure continuity.
3. Successfully chaired many important contact groups of CBD, in particular on Forests (COP 5 Nairobi and COP 6 the Hague), on Protected Areas (COP 7 Kuala Lumpur), on Marine Areas beyond national jurisdiction and Global Taxonomy Initiative capacity building (COP 8, Curitiba, Brazil), on biofuels (SBSTTA 12, Rome), expanded programme on Protected Areas (COP 9, Bonn) and Satoyama Initiative as useful tool in the expanded work programme on sustainable use (COP 10, Nagoya, Japan)
4. Chaired the Steering Committee set up at COP 8 charged with developing special funds for taxonomy in contribution to the Global Taxonomy Initiative of CBD.
5. Chair, Steering Committee of the International Partnership on Satoyama Initiative (IPSI), Nagoya, Japan 2011 to date.
6. Selected to serve on the advisory group on Indicators for 2010 biodiversity target within the UNEP-WCMC.

7. Co-chair, International Mechanism of Scientific Expertise on Biodiversity (IMoSEB) from January 2005 to April 2008. This is an initiative started by the President of France to influence nations to protect and use their biological resources in a manner that will ensure sustainability. The committee is made up of very prominent international biologists. Recently, the committee published an article in Nature calling on mankind to ensure the halt in the loss of biological diversity.
8. Member, an international advisory committee in charge of planning the second and third meetings of the UNEP sponsored Inter-governmental Platform for Biodiversity and Ecosystem Services (IPBES) the third meeting due to be held in Busan, Korea from 7 to 11 June 2010. The successful outcome of this meeting empowered the UNEP Governing Board to recommend to the UN General Assembly for the establishment of IPBES as the pressure point for global biodiversity governance (cf. IPCC of Climate Change). I co-chaired the first meeting held in Kuala Lumpur, Malaysia in October 2008 with Dr Robert Watson, co-chaired during the second meeting held in Nairobi from 5 to 10 October 2009 and was the vice-chair during the third and last meeting held in Busan, Korea from 7 to 11 June 2010.
9. Participated in the first plenary of the newly established IPBES in January 2013 in Bonn, Germany. I acted as the interim chair of the bureau for the whole of the session when the substantive chair could not be elected until the closing session
10. Vice-Chair, Bureau of the Intergovernmental Platform for science-policy interface on Biodiversity and Ecosystem Services (IPBES) for a three year period till 2015. I was elected at the first plenary which was held in 2013 in Bonn, Germany.
11. Member, Scientific and Technical Advisory Panel (STAP) from 2003 to 2004 of the Millennium Ecosystem Assessment (MA). I contributed to the achievement of the world acclaimed assessment report on the world's resources.
12. Member, Board of the Millennium Ecosystem Assessment (MA). This board was the main authority responsible for the compilation of the assessment. As a follow-

up to the world reactions of the MA report, a seven (later increased to twelve) member scientific panel, which included me, met in Paris in January 2007 to plan series of actions for governments. Some of these led to the IMoSEB-MA joint negotiation under UNEP to identify and develop an appropriate international Science-policy interface, which is currently referred to as the Intergovernmental Panel on Biodiversity and Ecosystem Services (IPBES) and being negotiated by the UNEP Governing Board.

13. Member, Task Force for International Union of Forest Research Organisations (IUFRO) on forest indigenous knowledge in Africa. This is an on-going programme.
14. Vice-Chairman, Standing Committee of CITES from 2005 to 2008. The major assignment given to me was to chair a sub-committee of the SC in Ottawa, Canada in April 2006 to draft a strategic vision for this international inter-governmental environmental organisation as it braces itself towards challenges of the millennium from 2008 to 2013. The draft was agreed by the Standing Committee at its 54<sup>th</sup> meeting held in Geneva.
15. Member, Governing Council of the African Centre for Technology Studies (ACTS) Nairobi. My membership has been renewed for another 3-year term to December 2015. This Council co-ordinates technology policy studies, especially on the environment for Africa.
16. Member, International Advisory Committee for UNESCO Biosphere Reserves. I was invited to this committee by the Director-General of UNESCO for a three-year assignment which finished in January 2010.
17. Member, Scientific Council for the UN Convention on Migratory Species (CMS). In this position to which I was assigned in 2007, I have been the spokesperson for Africa on scientific advice needed to secure the migratory routes of migrating animals especially birds.
18. Vice Chair, Standing Committee, CMS, Bonn, Germany from 2009 to 2011
19. Chaired the Committee of the Whole (COW) of the 9<sup>th</sup> COP of CMS in which I also acted as Vice-Chair of the meeting.

20. Chairman, Standing Committee of CMS overseeing conduct of COP 11 in Quito, Ecuador. It was at this COP that some extensive review of the Convention took place including the establishment of the Sessional Committee of the Scientific Council.
21. Member, International Steering Committee for GEF project on Removing Barriers to Invasive Alien Species executed by CABI on behalf of 4 African Countries (Ethiopia, Ghana, Uganda and Zambia). My membership ended in August 2006.
22. Alternate Member (from 2003 to 2007), Council of the Global Environment Facility (GEF), Washington, representing 8 constituent members of Benin, Cote d'Ivoire, Ghana, Guinea,, Liberia, Nigeria, Sierra Leone and Togo .
23. Full Member (appointed from January 2008 for a 3-year period to the end of 2010), Council of the Global Environment Facility (GEF), Washington, representing 8 constituent members of Coastal West Africa.
24. Expert Member, Oversight Council for Vital Signs for a 2 year term to 2015. . Invited into this team because of my expertise on biodiversity and ecosystem services. Vital Signs is an integrated monitoring system for agriculture, ecosystem services and human well-being, administered by Conservation International, CSIR South Africa and the Earth Institute of Columbia University and supported with grants from the Bill and Melinda Gates Foundation.
25. Member, Advisory Board since December 2015 of the Wise-Up programme of the IUCN on effects of climate change on water availability within the Volta Basin in Burkina Faso and Ghana.
26. Elected in 2015 as Vice Chair and Member of Bureau of the Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES) for another 3 year term till 2018..

## **INTERNATIONAL ASSIGNMENTS**

1. Represented Ghana at the 1<sup>st</sup>, 2<sup>nd</sup>, 5<sup>th</sup>, 6<sup>th</sup>, 7<sup>th</sup>, 8<sup>th</sup>, 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>, 13<sup>th</sup> and 14<sup>th</sup> Conference of the Parties (COP) of the Convention on Biological Diversity (CBD) (1994-2018)

2. Represented Ghana from the 4<sup>th</sup> to the 23rd meeting of the Subsidiary Body on Science Technical and Technological Advice (SBSTTA) of the Convention on Biological Diversity (1996 to 2019)
3. Represented Ghana from the 1<sup>st</sup> to the 6<sup>th</sup> Plenary of the Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES)

### **INTERNATIONAL EVALUATION EXPERIENCES**

1. Evaluation of “African NGO-Government partnerships for sustainable biodiversity action project” RAS/97/G31 which was conducted in March 2003. The evaluation considered the Important Bird Areas as the new focus for biodiversity conservation and sustainable use
2. Evaluation of the Sida-Sarec funded African Forest Research Network (AFORNET) which has been coordinated from the African Academy of Sciences (AAS) based in Nairobi Kenya. This evaluation started in December 2006 and concluded in January 2007. The evaluation considered a number of parameters including gender and research diffusion into the participating countries in Africa south of the Sahara
3. Preparation of a feasibility report for the establishment of a regional Centre of Excellence for Biodiversity for the Albertine Rift to be located in Republic of Rwanda. This study was initiated by UNESCO East African Regional Office in Nairobi between August 2008 and April 2009
4. Undertook an e-consultancy for the Agricultural Biodiversity Initiative in Africa (ABIA) conference at the 2010 FARA General Assembly in Ouagadougou, Burkina Faso
5. Evaluation of the Sida funded African Forest Forum (AFF) based in Nairobi at the ICRAF World Agroforestry Centre from January to May 2011.
6. Evaluation of the Sida funded African Forest Forum (AFF) based in Nairobi at the ICRAF World Agroforestry Centre from June to August 2014

### **NATIONAL EXPERIENCES:**

1. Chairman, Management Board Water Research Institute of the Council for Scientific and Industrial Research, Ghana (CSIR), 1999 to August 2006
2. Chairman, Management Board Forestry Research Institute of Ghana (CSIR), 1999 to 2006
3. Chairman, Management Board Soil Research Institute (CSIR), 1999 to 2006
4. Chairman, Management Board Plant Genetic Resources Centre, Bunso (CSIR), 1999 to 2006
5. Chairman, Board of Governors, WBM Zion Secondary School, Tafo 1994 to 1999, and again from 2009 to date
6. Member, Council of the College of Health Sciences of the University of Ghana, 1999 to 2006
7. President, Ghana Institute of Biology, 2000 to date
8. Chairman, Board of Governors, West Africa Secondary School, Accra, 1998 to 2007
9. Member, Research Committee of the Centre for Scientific Research into Plant Medicine (CSRPM), a research agency of the Ministry of Health, Ghana 1999 to date
10. Chairman, Research Committee of CSRPM from 2005 to 2011
11. Chairman, Natural Sciences Committee, UNESCO Commission, Ghana, 1998 to 2009
12. Chairman, National Bioethics Committee, UNESCO Commission, Ghana, 2009 to date
13. Member, Management Board, Environmental Protection Agency, Ghana, 2000 to December 2008
14. Member, Board of Trustees, Ghana Ethno-medical Foundation, 1995 to 2001,
15. Member, National Environmental Sanitation Policy Co-coordinating Council of the Ministry of Local Government and Rural Development, 1998 to 2001
16. Member, Ghana National Biodiversity Committee of the Ministry of Environment Science, Technology and Innovation, 1993 to date
17. Chairman, Ghana National Biodiversity Committee of the Ministry of Environment, Science, Technology and Innovation, 1993 to date

18. Member, Ghana National Bio-safety in Biotechnology Committee, 2001 to date
19. Member, Governing Council of the Centre for Remote Sensing and Geographic Information services (CERSGIS) of the University of Ghana, representing the Environmental Protection Agency, 2000 to 2009.
20. Member and later Chairman, Scholarships Review Committee of the Ghana Government Scholarships Secretariat, 1999 to 2009.
21. Member, Council of the Centre for Scientific Research into Plant Medicine. 2001 to December 2008.
22. Chairman, Cocoa Research Institute Management Committee, 2009 to 2014
23. Chairman, Project Advisory Committee, EU-Tropenbos Project on Chainsaw Operations in Ghana, 2009 to March 2016
24. Chairman, Board of Tropenbos Ghana, December 2016 to date

### **ACADEMIC AWARDS AND OTHER HONOURS**

- ◆ UNESCO Scholar to Edinburgh University 1969-1970
- ◆ Ghana Government Scholar to Edinburgh University 1970-1972
- ◆ UNESCO Scholar to British Council course on Resources in Higher Education, London July to December 1975
- ◆ Swedish Institute (SI) Fellowship for a 6-month research at the Dept. of Ecological Botany, Uppsala University, Sweden, July to December 1991
- ◆ Elected Fellow of the Linnaean Society of London (FLS) 1972
- ◆ Elected Fellow of the Ghana Institute of Biology March 1995
- ◆ Recipient of the Midori Prize for Biodiversity 2014
- ◆ Elected Fellow of the Ghana Academy of Arts and Sciences (FGA) October 2017

### **PUBLICATIONS**

#### **A. Commissioned Research Reports**



1. Dorm-Adzobu, C., Agyepong, G.T., Amoako-Nuama, C.E., Oduro, W., **Oteng-Yeboah, A.A.** and A. Sackey (1991) Ghana Biodiversity Review, USAID, Ghana
2. **Oteng-Yeboah, A.A.** and L. Enu-Kwesi (1993) Ecological, Ethnobotanical, Physiological and Eco-physiological investigations into three traditional groves in Northern Ghana: A baseline study report, UNESCO-CIPSEG PROJECT 507/GHA/40 November 1993, 133pp.
3. **Oteng-Yeboah, A.A.** and L. Enu-Kwesi (1995) Ethnobotanical, Eco-physiological, Natural Regeneration and Species Enrichment Studies and the Development of Guidelines and framework for a Biosphere Reserve of the CIPSEG Project Locations, UNESCO-CIPSEG PROJECT 507/GHA/40, 28 February 1995, 18pp.
4. **Oteng-Yeboah, A.A.** (1994) Detailed Baseline Studies of Muni-Pomadze Ramsar site: Plant Ecology, Ghana Coastal Wetlands Management Project, GW/A.285/SF.2/34, May 1994, 51 pp.
5. **Oteng-Yeboah, A.A.** (1994) Takoradi Thermal Generating Plant: Terrestrial Ecological Survey Report, VRA, Eng. 033.08/94/567, September 1994, 37pp.
6. **Oteng-Yeboah, A.A.** (1994) National Biodiversity Country Study: Botany, Ministry of Environment, Science and Technology, MEV/SCR/042, 30 September 1994, 143 pp.
7. **Oteng-Yeboah, A.A.** (1994) Detailed Baseline Studies of Sakumo Ramsar site: Plant Ecology, Ghana Coastal Wetlands Management Project, GW/A.285/SF.2/34, October 1994, 45pp.
8. **Oteng-Yeboah, A.A.** (1994) Detailed Base-line Studies of Densu Delta Ramsar site: Plant Ecology, Ghana Coastal Wetlands Management Project, GW/A.285/SF.2/34, November 1994, 54pp.
9. **Oteng-Yeboah, A.A.** and L. Enu-Kwesi (1995) Guidelines for elucidating participatory approaches to Buffer Zone development, strategies of using useful plants in the defined ecosystem, UNESCO-CIPSEG PROJECT 507/GHA/40, November 1995, 63 pp.
10. **Oteng-Yeboah, A.A.** and L. Enu-Kwesi (1996) Plant Diversity Survey and other studies on Bia National Park, BRAAF Project Ghana MAB, October 1996, 58pp.
11. **Oteng-Yeboah, A.A.** (1996) Inventorial Studies of Bia National Park, Ghana, prepared for the National Geographic Society, Washington, USA, November 1996, 88pp.
12. **Oteng-Yeboah, A.A.** and R.K. Bamfo (1996) Ghana Biodiversity Data Management Institutional Survey. 87pp. Ministry of Environment, Science & Technology.
13. **Oteng-Yeboah, A.A.** (1997) Tano Power Project: Terrestrial Ecological Survey report of project site and transmission corridors. 63pp. + 9 maps and plates. Ghana National Petroleum Corporation.
14. **Oteng-Yeboah, A.A.** (1998) Wetlands Floral Diversity Ghana Coastal Wetlands Management Project, Ghana Wildlife Department, June 1998, 91pp.
15. **Oteng-Yeboah, A.A.** (1999) Development of a Management Plan for the Densu Delta Ramsar Site, Ghana Coastal Management Project, GET TF 28619 GH, Wildlife Division of Forestry Commission, Ministry of Lands and Forestry, December 1999, 82pp.

16. **Oteng-Yeboah, A.A.**; E.O. Afreh; C. Dei Amoah and R.K. Bamfo; (2001). Mining in Forest Reserves in Ghana: a report of a 4-member Technical Committee visit to 5 forest Reserves. Forestry Commission Accra, Ghana

## **B. Some Publications in refereed journals**

1. **Oteng-Yeboah, A.A.** (1974). Four New Genera in Cyperaceae-Cyperoideae. *Notes of the Royal Botanic Garden, Edinburgh*, 33:307-310
2. **Oteng-Yeboah, A.A.** (1974). Taxonomic Studies in Cyperaceae-Cyperoideae *Notes R.B.G. Edinburgh* 33:311-316.
3. **Oteng-Yeboah, A.A.** (1975). Morphology, Anatomy and Taxonomy of the genus *Remirea* Aub. *Boissiera* 24:197-205.
4. **Oteng-Yeboah, A.A.**(1977). Some observations on the Genus *Ascolepis* Nees, *Notes R.B.G. Edinburgh* 33:399—397
5. **Oteng-Yeboah, A.A.**(1977). Observations on *Blysmus* Panz. Ex Schulz and *Blysmopsis* OtengYeboah, *Notes R.B.G. Edinburgh* 35:391-406.
6. **Oteng-Yeboah, A.A.** and Garba, I.S. (1983). The occurrence of Parasitic Mistletoes on *Azadirachta indica* (neem) in Sokoto Metropolis. *Nigerian Journal of Science and Technology* 1:103-108.
7. **Oteng-Yeboah, A.A.**(1985). Ecological survey of Plant Communities in the Sokoto Savanna vegetation: I. Floristic and Life form Composition *Biologia Africana* 2 67-78.
8. **Oteng-Yeboah, A.A.**(1985).Ecological survey of Plant communities in Sokoto Savanna vegetation: II. Structure and Ordination. *Biologia Africana* 2: 79-94.
9. **Oteng-Yeboah, A.A.**(1986). Check list of farm weeds in Sokoto State. *Nigerian Journal of Basic and Applied Sciences* 1:83-86.
10. **Oteng-Yeboah, A.A.** and B.L. Aliero(1986)Ecology of farm weeds in Sokoto. I: Characteristic species of the University farm. *Nigerian Journ. of Basic and Applied Sciences* 1:15-28
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Approximately 145pp. in full scap.
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An undertaking

I, Alfred A. Oteng-Yeboah from Ghana, do make this undertaking to affirm my acceptance, if considered and selected, as a COP Appointed Councilor for the area of Terrestrial Mammals.

Sincerely,

A handwritten signature in blue ink, appearing to be 'A. Oteng-Yeboah', with a large loop at the start and a trailing flourish.

Prof Alfred A. Oteng-Yeboah

### **Prof Alfred A. Oteng-Yeboah**

The following are some of the highlights of the nomination of **Prof Alfred A. Oteng-Yeboah** as COP Appointed Councillor for the subject area of Terrestrial. Apart from having been a keen supporter of migratory species conservation, he has eloquently espoused the virtues in bending the curve in the global trends of biodiversity loss.

1. He was the Vice-Chairman, Standing Committee of CITES from 2005 to 2008 and the major assignment given to him was to chair a sub-committee of the Standing Committee in Ottawa, Canada in April 2006 to draft a strategic vision for this international inter-governmental environmental organisation as it braces itself towards challenges of the millennium from 2008 to 2013. The draft was agreed by the Standing Committee at its 54<sup>th</sup> meeting held in Geneva.
2. He was a member of the Scientific Council for the UN Convention on Migratory Species (CMS). And in this position he became the spokesperson for Africa on scientific advice needed to secure the migratory routes of migrating animals especially birds.
3. He was the Vice Chair, Standing Committee of CMS, Bonn, Germany from 2009 to 2011. He also chaired the Committee of the Whole (COW) of the 9<sup>th</sup> COP of CMS for which he assumed the position of Vice-Chair of the meeting.
4. He became the Chairman of the Standing Committee of CMS overseeing the conduct of COP 11 in Quito, Ecuador. It was at this COP that some extensive review and restructuring of the Convention took place including the establishment of the Sessional Committee of the Scientific Council.
5. He was re-elected in 2015 as Vice Chair and Member of Bureau, representing Africa, of the Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES) for another 3 year term till 2018.
6. The CBD elected him as Co-Lead of the Open Working Group on the ongoing post 2020 Biodiversity Strategic Framework for the decade 2021 – 2030.



7. He chaired the 9<sup>th</sup> and 10<sup>th</sup> meeting of the Subsidiary Body on Scientific Technical and Technological Advice (SBSTTA) of the UN Convention on Biological Diversity (CBD). This period coincided with the WSSD and its Millennium Development Goals and the discussion on the 2010 specific biodiversity target and goals and the new strategic vision for the CBD to halt the loss of global biodiversity by 2010.
8. He successfully chaired many important contact groups of CBD, in particular on Forests (COP 5 Nairobi and COP 6 the Hague), on Protected Areas (COP 7 Kuala Lumpur), on Marine Areas beyond national jurisdiction and Global Taxonomy Initiative capacity building (COP 8, Curitiba, Brazil), on biofuels (SBSTTA 12, Rome), expanded programme on Protected Areas (COP 9, Bonn) and Satoyama Initiative as useful tool in the expanded work programme on sustainable use (COP 10, Nagoya, Japan) and Capacity Building (COP 13, Cancun, Mexico)
9. He acted as Co-chair for the International Mechanism of Scientific Expertise on Biodiversity (IMoSEB) from January 2005 to April 2008. This is an initiative started by the President of France to influence nations to protect and use their biological resources in a manner that will ensure sustainability. The committee published an article in Nature calling on mankind to ensure the halt in the loss of biological diversity.
10. He was a member of an international advisory committee in charge of planning the second and third meetings of the UNEP sponsored Inter-governmental Platform for Biodiversity and Ecosystem Services (IPBES) the third meeting due to be held in Busan, Korea from 7 to 11 June 2010. The successful outcome of this meeting empowered the UNEP Governing Board to recommend to the UN General Assembly for the establishment of IPBES as the pressure point for global biodiversity governance (cf. IPCC of Climate Change). He co-chaired the first meeting held in Kuala Lumpur, Malaysia in October 2008 with Prof Robert Watson, co-chaired during the second meeting held in Nairobi from 5 to 10 October 2009 and was the vice-chair during the third and last meeting held in Busan, Korea from 7 to 11 June 2010.

11. As Vice-Chair, Bureau of the Intergovernmental Platform for science-policy interface on Biodiversity and Ecosystem Services (IPBES) for a three year period till 2015, he was elected as the interim Chair of the first plenary which was held in 2013 in Bonn, Germany.

17 February 2020

To: Thirteenth Meeting of the Conference of the Parties to the Convention on Conservation of Migratory Species of Wild Animals  
COP- Appointed Councillors Working Group

Considering the Notification 2019/22, which aims to seek nominations from Parties for the new COP-Appointed Councilor Subject Areas, we are supporting the candidature of Dr. Rodrigo Medellín for the COP- Appointed Councillor for Terrestrial Mammals Connectivity/Networks. He worked as COP appointed councillor of the CMS for several years, advising countries in the context of CMS implementation issues such as concerted action.

We have to highlight that Rodrigo Medellín is an internationally recognized specialist expert, he has dedicated his life to the study and conservation of mammals in Mexico and other countries since young age. He is Senior Professor at the Institute of Ecology, UNAM, and has directed over 50 theses and dissertations and has produced over 200 publications on bats, jaguars, conservation issues, protected areas, migration corridors and more. Just over the past 5 years he has produced 30 peer reviewed indexed papers.

Rodrigo has a passion teaching and forming new students; therefore, he has projects or students in 16 countries of four continents. His research contributes and orients policy and decision-making processes in conservation. His interests have led him to preside over international societies of conservation and study of mammals and to represent Mexico and North America in CITES (Convention on the International Trade of Endangered Species) and other international forums.

He was President of the Society for Conservation Biology (2013-2015). He was the first head of the Mexican Wildlife Department in 1995. For ten years he represented North America in CITES and has been advisor to the Mexican Federal Government on wildlife issues since 2000, constantly being an official member of the Mexican delegation to CITES meetings. Rodrigo is Co-Chair of the IUCN Bat Specialist Group and created the Latin American Bat Conservation Network (RELCOM). He has been associate editor for Conservation Biology, Journal of Mammalogy, ORYX, and Acta Chiropterologica. Since 2016 he is a member of the Board of

Review Editors of Science Magazine. Rodrigo has worked heavily on the connectivity conservation aspects of jaguars, bighorn sheep, pronghorn antelope, and other species, and migratory movements of bats in many countries of Latin America and Africa.

His experience and passion for conservation, resulted in several awards such as Mexico's National Conservation Award 2004, Rolex Award for Enterprise 2009, the Whitley Fund for Nature Gold Award 2012, and others. In 2014 BBC Natural World produced the multi-awarded film The Bat Man of Mexico (narrated by David Attenborough) covering Rodrigo's work on bats. His work is featured in the National Geographic Magazine of July 2018. In 2019 the National Geographic Society made Rodrigo the seventh Explorer-At-Large and the first one who is not from the U.S. or Europe.

Finally, I stand out that this postulation is also supported by different countries parties of the COP. With all said, and the attached CV where you can read in detail the capacity of the candidate.

We hope you will consider the postulation and accept dr. Medellin for this task, please, if you have any question or need further clarification, let me know

Enzo Aliaga Rossel PhD  
Director General de Biodiversidad  
Ministerio de Medio Ambiente y Agua  
Estado Plurinacional de Bolivia  
Phone: +591 72078977  
Email: ealiagar@hotmail.com

Mexico City, February 18<sup>th</sup>, 2020

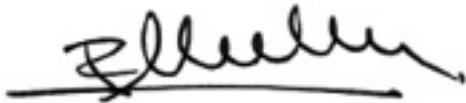
Convention on Migratory Species  
COP- Appointed Councillors Working Group

By this means, I would like to express my interest and readiness and availability to continue serving as COP- appointed councillor. I have worked on the conservation of migratory species for several decades and on connectivity issues affecting the conservation of many other species. Some groups I have worked on include jaguars, bobcats, tapir, bighorn sheep, pronghorn antelope, black bears, and of course bats of many species, in Mexico and other countries of Latin America and Africa.

My experience is enhanced by the fact that I have worked as COP appointed councillor of the CMS for several years, advising countries in the context of CMS implementation issues such as concerted action, I have worked closely with parties helping them develop listing proposals, and have been engaged with CITES, IPBES, and CBD in many capacities for 20 years. I also have hundreds of scientific publications and a broad network of professionals to tap for additional expertise.

I also bring regional and racial diversity, coming from Latin America. I remain interested in aiding the Convention as much as I can

Please do not hesitate to write or call in case you have additional questions or comments. Sincerely,



Rodrigo A. Medellín  
Co-Chair, IUCN Bat Specialist Group  
COP- Appointed Councillor, CMS  
Senior Professor, Institute of Ecology, UNAM



**Rodrigo Antonio Medellín Legorreta**

## **CURRICULUM VITAE**

September 20<sup>th</sup>, 2018

### **1. General data**

- 1.1. Place and date of birth: México, D. F., Dec. 23, 1957
- 1.2. Nationality: Mexican
- 1.3. Gender: Male
- 1.4. Current job: Senior Professor of Ecology “C”  
Instituto de Ecología, UNAM  
Ap. Postal 70-275  
C.P. 04510  
México, D. F.
- 1.5. Membership in National System of Researchers Continuous since 1992. National Researcher level 3 since 2004  
Area: Natural sciences  
Discipline: Ecology
- 1.6. email and web page: [medellin@ieecologia.unam.mx](mailto:medellin@ieecologia.unam.mx)  
[www.ecologia.unam.mx/rmedellin/bats/index.htm](http://www.ecologia.unam.mx/rmedellin/bats/index.htm)
- 1.7. Publications: 208; in the last 5 years 34 peer reviewed, indexed papers. See point # 5 below.
- 1.8. H index and citations: H index: 39. Citations: 9,456

### **2. Academic training**

- 2.1 Career studies:  
Licenciatura  
Place: Facultad de Ciencias, UNAM, México, D.F.  
Period: 1980-1986  
Degree obtained: Biólogo
- 2.2 Graduate studies:  
Doctorate

Place: School of Forest Resources and Conservation, University of Florida, Gainesville, Florida, USA

Period: 1987-1992

Degree obtained: Doctor of Philosophy

### 3. Professional Experience

- a) Job description: Senior Professor "C" (top level) Instituto de Ecología, UNAM 2005-
- b) Sabbatical from January 2011- at the Arizona-Sonora Desert Museum and the University of Arizona, Tucson, Arizona.
- c) Director of Science and Conservation, Arizona-Sonora Desert Museum, Tucson, Arizona, Jan-Jul 2011.
- d) Sabbatical from August 2002-September 2003 in Columbia University (Department of Ecology, Evolution, and Environmental Biology (E3B) and Center for Environmental Research and Conservation, CERC), as Adjunct Senior Research Scientist.
- e) Job description: Full time Associate Professor "C" Instituto de Ecología, UNAM, 1993- 1997
- f) Job description: Full time Professor "A", Instituto de Ecología, UNAM, 1998-2001.
- g) Job description: Full time Professor "B", Instituto de Ecología, UNAM, 2001-2005
- h) Academic Director, Estación de Biología Tropical Chajul, UNAM/Conservation International México, 1989 to 2003.
- i) Director General of Wildlife, National Institute of Ecology (INE), Secretariat of the Environment, National Resources and Fisheries (SEMARNAP), January 1995 - December 1996
- j) Science Advisor to the Director General of Wildlife, INE, SEMARNAP, December 1996 to 2001, and 2004 to present.
- k) Technician responsible for wildlife management of the following Wildlife Production Units (UMAs):
  - a) Rancho El Sacrificio, Sonora (1997-1998)
  - b) Isla Tiburón, Comunidad Indígena Seri, Sonora (1997-2002)
  - c) Ejido El Desemboque, Comunidad Indígena Seri, Sonora (1997-2000)
- l) Job description: Field and curator assistant, Instituto de Biología, UNAM, 1977-1980.
- m) Job description: Mammal collector, Instituto de Biología, UNAM, and CONACyT, 1981 through 1986.
- n) Job description: Assistant Curator of Mammals (temporary job), Florida Museum of Natural History, May-August, 1987.
- o) Teaching:
  - i. **Professor**, module of Conservation Biology in the Master's program: Gestion, Acceso y Conservación de la Biodiversidad: El Marco Internacional for the Andalusia International University in Baeza, Spain, in 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2014, 2016, 2018

- ii. **Coordinating Profesor**, course “Diversity, Conservation, and Management of Mexican Wildlife”. This is a 4-semester-long undergraduate course, open to students at the School of Biology, Nacional University of Mexico. The first semester was 1999-2 and the last semester was 2001-2. Then the course was reopened at the direct request of students on the 2004-1 (August of 2003) semester and with duration of four semesters. The course has been opened at the request of students in the semester 2006-2, 2008-2, 2010-2, 2012-2, 2014-2, 2016-2, and 2018-2, each time lasting 4 semesters.
- iii. **Professor**, course: Conservation Biology, taught for Universidad de Costa Rica and Universidad Nacional Autónoma de México, UNAM, in Costa Rica. Open every two years: 2007, 2009, 2011, 2013, 2015, 2017, 2019.
- iv. **Professor**, course “Conservation Biology”, Graduate Program in Ecology, Instituto de Ecología, UNAM, since 1996, and open each year in the following semesters: 1997-1, 1998-1, 1999-1, 2000-1, 2001-1, 2002-1, 2005-1, 2006-1, 2007-1, 2008-1, 2009-1, 2010-1, 2011-1, 2012-1, 2013-1, 2014-1, 2015-1, 2016-1, 2017-1, 2018-1
- v. **Professor and coordinating instructor**, First course to decision makers of the states of Tamaulipas, Nuevo León and Coahuila, for the decentralization of the responsibilities of the Dirección General de Vida Silvestre (Direction of Wildlife). October 2005.
- vi. **Professor**, course “Topics in Conservation Biology”, Graduate Program in the Department of Ecology, Evolution, and Environmental Biology of Columbia University, from January to May, 2003. Co-taught with Dr. Eleanor Sterling of the American Museum of Natural History
- vii. **Professor**, course “Conservation Biology”, at the Undergraduate level of the Department of Ecology, Evolution, and Environmental Biology of Columbia University, from January to May, 2003. Co-taught with Drs. Rosemary Gnam and Sacha Spector of the American Museum of Natural History.
- viii. **Coordinating Instructor**, course: “Ecology and Conservation of Bats”. Universidad de Santa Cruz, Santa Cruz, Bolivia, May-June 2001.
- ix. **Professor**, course “Community Ecology, Patterns and Processes”, at the graduate level in the Institute of Ecology, UNAM, January to June, 1994.
- x. **Professor**, field course “Applied Ecology” graduate program of the Institute of Ecology, UNAM, summer 1994.
- xi. **Professor in Charge**, course “Tropical Ecology and Conservation Biology”, organized by Smithsonian Institution. Reserva de la Biosfera "Estación Biológica Beni", Depto. de Beni, Bolivia, July 1989.
- xii. **Teaching assistant**, course “Conservation Biology”, University of Florida, Gainesville, 1988. Instructor: Dr. John G. Robinson.



#### **4. Leadership, academic groups, honorary appointments, society services, awards, and distinctions.**

##### **4.1 Leadership and formation of academic groups**

a) Founder and Director of the Programa para la Conservación de los Murciélagos de México, formed by more than 20 researchers and professors of Mexico and the United States. The objectives of this program are to understand and analyze the ecology of migration, its origins and implications for conservation of bats. As director of this program, Dr. Medellín has been invited to Guatemala, Costa Rica, Venezuela, Bolivia and Chile, where this program is being adopted and adapted. This team continues to expand at a continental scale.

b) Founding member of the Steering Committee of the Mexican Long Term Ecological Research Network (MexLTER) with other eight researchers from the Instituto de Ecología, UNAM, Instituto de Biología, UNAM, Instituto de Ecología, A. C., Colegio de Postgraduados, y Universidad de Guadalajara.

c) Founding member of the North American Bat Conservation Partnership, a group including over 200 researchers specialized in the study of bats from Canada, the U. S., and Mexico. Since October 2000 he is the Mexico Working Group leader.

d) Serves since 2003 as Country Director for the Network of Conservation Educators and Practitioners, coordinated by the Center for Biodiversity Conservation of the American Museum of Natural History. This Network involves conservation professionals in over five countries in three continents and in Mexico it includes conservationists in four of the most relevant conservation institutions in Mexico.

e) Co-Chair of the IUCN Bat Specialist Group since 2004, reappointed in 2008 and 2012.

e) Founder and First Director of Relcom, the Latin American Bat Conservation Network, a multiple award-winning research, conservation, and education organization founded in 2007 to promote appreciation, recovery, and preservation of bats across Latin America and the Caribbean, currently including 18 countries.

##### **4. 2 Honorary appointments and society services:**

a) Elected member of the Board of Directors of the American Society of Mammalogists for a three-year period starting in June, 2018

b) 2018. The July issue of National Geographic Magazine features the work of Rodrigo on carnivorous bats in Mexico. Photographs by Anand Varma, text by Virginia Morell.

- c) 2018 National Geographic produced the documentary Giant Carnivorous Bats, featuring Rodrigo and his collaboration with the Nat Geo photographer Anand Varma working on the largest bats in the New World and their carnivorous habits
- d) 2015 appointed one of the 25 members of the MEP (Multidisciplinary Experts Panel) of IPBES (Intergovernmental Platform for Biodiversity and Ecosystem Services) MEP
- e) 2015 the documentary The Bat Man of Mexico (BBC, 2014) won the Award for Best Exploration Film, New York Wild Film Festival.
- f) 2014 the documentary The Bat Man of Mexico (BBC, 2014) won Best People and Wildlife Film Award of the Wildscreen Festival, Bristol, UK
- g) 2013 BBC produced the documentary The Bat Man of Mexico, narrating the life and work of Rodrigo and the bats. Narrated by Sir David Attenborough
- h) Elected member of the Board of Directors of the American Society of Mammalogists for a three-year period starting in June, 2013
- i) President of the Society for Conservation Biology 2013-2015. First president NOT from Europe or the U.S. in SCB's history.
- j) Invited Member of the Board of Directors of the Luc Hoffman Institute, World Wildlife Fund, Gland, Switzerland, since January 2013.
- k) Elected Scientific Councilor of the Convention for Migratory Species (CMS) of the United Nations Environment Programme by the Tenth Conference of the Parties (COP10) in Bergen, Norway, on November 22<sup>nd</sup>, 2011.
- l) President Elect of the Society for Conservation Biology (8,000 members, publishing the journals Conservation Biology and Conservation Letters), for the period 2011-2013.
- m) Designated Co-Chair of the IUCN Bat Specialist Group in 2004, reappointed 2008 and again in 2012.
- n) Created and led the Committee of Science and Conservation of the Arizona-Sonora Desert Museum, Tucson, Arizona, during his sabbatical at that institution where he was designated Director of Science and Conservation in 2011. He also created the Sonoran Desert Conservation Award that was given for the first time to Chuck Huckleberry in November of 2011.
- o) In October 2010 he was designated Ambassador of the Year of the Bat by the Secretary General of the Convention of Migratory Species (CMS), Elizabeth Maruma Mrema, and by the Executive Secretary of the EUROBATS agreement.
- p) Appointed Chair of the Awards Committee of the Society for Conservation Biology in July 2008. Served since then as a member of the Board of Governors of the same Society.

- q) Reelected for a third term as Representative of North America and ViceChair of the Animals Committee of CITES (Convention on International Trade in Endangered Species of Wild Fauna and Flora) in June of 2007 and until 2010.
- r) Elected President of the Austral and Neotropical America Section of the Society for Conservation Biology in April, 2005. As such, he was a member of the Board of Governors of the same Society.
- s) Member (by invitation) of the Scientific Advisory Committee of the La Selva Biological Station, Costa Rica, Organization for Tropical Studies since August 2005.
- t) Member (by invitation) of the Committee on Status of Pollinators of North America, National Academy of Sciences, Washington, D. C., since February 2005.
- u) Head of the Department of Ecology and Biodiversity, Instituto de Ecología, UNAM, 2004-2007.
- v) Elected Councilor Representative of the Faculty members of the Institute of Ecology, UNAM, before the Academic Council of Biological and Health Sciences (CAABYS) of the National University of Mexico in May, 2004
- w) Appointed Mexico Representative before the Animals Committee, CITES (Convention on International Trade on Endangered Species) in August 2000 to 2007.
- x) Appointed Representative of the México group before the North American Bat Conservation Partnership (NABCP) in November 2000.
- y) Elected ViceChair and Representative of North America for the CITES Animals Committee in 2001 and re-elected to the same positions in 2004.
- z) Member of the United Nations' Millenium Project Task Force (Environmental Sustainability), coordinated by Don J. Melnick, Yolanda Kakabadse, and Jeffrey Sachs (Columbia University), 2002 to 2005.
- aa) Director General of the Program for Conservation of Mexican Bats (PCMM), Instituto de Ecología, UNAM since 1994
- bb) Elected member of the Board of Directors, American Society of Mammalogists, 1998-2001, reelected for the period 2001-2004, and reelected for the period 2005-2008.
- cc) Member (by invitation) of the Awards Committee of the Society for Conservation Biology since 2003.
- dd) Appointed Research Associate of the Arizona-Sonora Desert Museum in May, 2002.
- ee) Chair of the International Relations Committee, American Society of Mammalogists, for the period 1997-2000 and reappointed for the period 2001-2003.

- ff) Chair of the Latin American Awards Committee, American Society of Mammalogists, for the period 1997-2000, reappointed for the period 2001-2003, and reappointed for the period 2004-2007.
- gg) President, Mexican Society of Mammalogists, for the period 1997-1999.
- hh) Chairman of the Organizing Committee, Seventh International Theriological Congress, Acapulco, Mexico, September, 1997.
- ii) Member (by invitation) to the Scientific Advisory Board of Bat Conservation International since 1996.
- jj) Member (by invitation) of the Education and Graduate Students Committee, American Society of Mammalogists, 1986 to 1989.
- kk) Member of the Organizing Committee, International Symposium on Latin American Mammalogy, Cancún, Quintana Roo, June 28 to 30, 1987.
- ll) Member (by invitation) of the Chiroptera Specialists Group, International Union for the Conservation of Nature (IUCN), since March, 1988.
- mm) Field coordinator, Program for Studies in Tropical Conservation, University of Florida, appointed by John Robinson in July, 1987 to 1991.
- nn) Member (by invitation) of the Rodent Specialists Group, International Union for the Conservation of Nature (IUCN), since March, 1988.
- oo) Member (by invitation) of the Steering Committee, International Theriological Congress, 1993 to 2008.
- pp) Member (by invitation) of the International Relations Committee, American Society of Mammalogists, 1994-1997
- qq) Member (by invitation) of the Latin American Student Award, American Society of Mammalogists since 1994-1997.
- rr) Member of the first Board of Directors, as Executive Secretary, of the Mexican Mammal Society, 1983 to 1986.
- ss) Technician responsible of wildlife management units (UMAs):
  - a. Rancho El Sacrificio, Sonora (1997 to 1998).
  - b. Isla Tiburón, Comunidad Indígena Seri (since 1997).
  - c. Ejido El Desemboque, Comunidad Indígena Seri, Sonora (1997-2000).
- tt) Member of the Technical Advisory Council to the Montes Azules Biosphere Reserve since its formation in April, 1994.
- uu) Member of the Technical Advisory Council to the El Triunfo Biosphere Reserve since its formation in April, 1994.
- vv) Director of the Chajul Tropical Biology Station, UNAM SEMARNAT, 1989-1993 and 1994-2002.

#### **4. 3 Awards and Distinctions:**

**In 2015** he was appointed one of 25 members of the IPBES (Intergovernmental Platform for Biodiversity and Ecosystem Services) MEP (Multidisciplinary Experts Panel)

**In 2015** BBC's documentary The Bat Man of Mexico won the Award for Best Exploration Film of the New York Wild Film Festival.

**In 2014** BBC's documentary The Bat Man of Mexico won the Award for Best People and Wildlife Film of the Wildscreen Festival of Bristol, UK

**In 2013** London's BBC produced the 1-hour long Documentary The Bat Man of Mexico, that tells the story of Rodrigo's life and work on bats

**In 2013** he became President of that society for two years (2013-2015). He is the first President of this society who is not from the United States or Europe.

**In October 2012** he was voted one of the top 50 individuals Moving Mexico Forward (Quien50) by the Expansion Corporate Group. Revista Quien.

<http://www.quien.com/espectaculos/2012/11/19/rodrigo-medellin>

**In October 2012** he received the Pollinator Advocate of the Year Award from the North American Pollinator Protection Campaign

**In May 2012 he received the Whitley Gold Award, the first Gold Award given as such, from the hands of Princess Ann of England.** Rodrigo is the first person in the world to receive two Whitley Awards. The Whitley Awards are often called the "Green Oscars".

<http://www.youtube.com/watch?v=3-TaEyO09ss>

**In April 2011 Rodrigo, as President of the NGO BIOCONCIENCIA, received the 2010 BBVA Award for Biodiversity Conservation in Latin America.** This is the largest cash award and one of the most highly regarded given to an institution in favor of its work to protect biological diversity, and includes a cash prize of € 250,000 (some \$ 400,000 USD) towards the project.

<http://www.efeverde.com/contenidos/mediateca/fototeca/30-marzo-2011-23-59-00-premios-fundacion-bbva-a-la-conservacion-de-la-biodiversidad-biocom>

**In January 2009 he received the 2008 Rolex Associate Award for Enterprise.** Given by Rolex after a world-wide selection. Rodrigo is only the third Mexican in over 30 years that the award has been given. In 2008, over 400 people participated and only 10 were selected. Rodrigo was chosen because of his 14-year-old on going bat conservation and research project. The award includes a Rolex watch and \$ 50,000 U.S. dills.

<http://www.rolex.com/en#/world-of-rolex/philanthropy/awards-for-enterprise/rodrigo-medellin>

<http://rolexawards.com/en/the-laureates/rodrigomedellin-home.jsp>

**In March 2009 he received the 2008 Volkswagen "For the Love of the Planet".** This award is given once a year by Volkswagen Mexico to a researcher or group of researchers whose primary work is on protected areas of Mexico. I was selected for my work on bighorn sheep, pronghorn antelope, jaguar, and certainly bat research for conservation in over 12 major protected areas of Mexico, plus the work I am currently doing for the creation of new protected areas to benefit large bat populations. The award comes with a \$ 50,000 U.S. dills. cash prize towards the projects.

[http://www.poramoralplaneta.com.mx/noticias/noticias\\_2008/noticias\\_2008.htm](http://www.poramoralplaneta.com.mx/noticias/noticias_2008/noticias_2008.htm)

**2007 Outstanding Alumnus Award.** Given by the Department of Wildlife Ecology and Conservation of the University of Florida. Rodrigo is the first recipient of this award, “in recognition of outstanding contributions to the field of wildlife ecology and to the conservation of wildlife in Mexico”.

**2007 Conservation Scientist of the Year.** Given by Wildlife Trust in New York City. Wildlife Trust selects one scientist every year to recognize him/her in a gala in New York. Rodrigo was chosen for his life-term career working on conservation in Mexico and Latin America.

[http://www.wildlifetrust.org/enter.cgi?p=news/2007/1001\\_2\\_Gala.shtml](http://www.wildlifetrust.org/enter.cgi?p=news/2007/1001_2_Gala.shtml)

**2007 Aldo Leopold Award from The American Society of Mammalogists.** This award honors individuals who have made outstanding and lasting contributions to the conservation of mammals and their habitats. Only three individuals have received this award before Rodrigo: Edward O. Wilson, Russell A. Mittermeier, and George B. Schaller.

**2004 National Nature Conservation Award** from Mexican President Vicente Fox, given by the Federal Government of Mexico:

<http://www.cybertechnics.com.mx/conanp/noticia.php?NotiLeer=1&TitBack=2&IdNotic=139>

**2004 Gerrit S. Miller Award**, the North American Society for the Study of Bats’ highest honor, given "In recognition of outstanding service and contribution to the field of chiropteran biology.":

[http://www.nasbr.org/NASBR\\_Miller.html](http://www.nasbr.org/NASBR_Miller.html)

[http://www.universia.net.mx/index.php/news\\_user/content/view/full/11015/](http://www.universia.net.mx/index.php/news_user/content/view/full/11015/)

**2004 Whitley Award for International Nature Conservation**, given by Her Royal Highness Princess Anne, on behalf of the Whitley Foundation:

[www.whitley-award.org/Articles/projects/friends/RodrigoMedellin.html](http://www.whitley-award.org/Articles/projects/friends/RodrigoMedellin.html)

**1996 Forgotten Pollinators Award**, given by the Arizona-Sonora Desert Museum and Bat Conservation International:

<http://www.batcon.org/batsmag/v14n3-6.html>

## **5.- Research Experience.**

Scientific Production: 22 ISI papers in the last 5 years

### **SUMMARY:**

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Scientific articles in indexed (ISI) journals	104
Scientific articles in other journals	20
International books and chapters	15
National books and chapters	39
Essays and book reviews	6

Popular publications	24
Total publications	208

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### 5.1. Scientific articles in indexed (ISI) journals (total: 97):

#### 2018

1. Frick, W.F., P.A. Heady, III, A.D. Earl, M.C. Arteaga, P. Cortés-Calva, and **R.A. Medellín**. 2018. Seasonal ecology of a migratory nectar-feeding bat at the edge of its range. *Journal of Mammalogy* 99. <https://doi.org/10.1093/jmammal/gyy088>
2. Vargas-Mena, J.C., E. Cordero-Schmidt, D. de Medeiros Bento, B. Rodriguez.Herrera, **R. A. Medellín**, and E. M. Venticinque. 2018. Diversity of cave bats in the Brazilian tropical dry forest of Rio Grande do Norte state. *Mastozoología Neotropical*. ISSN 1666-0536
3. Haefele, M., J. B. Loomis, R. Merideth, A. Lien3, D.J. Semmens, J. Dubovsky, R. Wiederholt, W. E. Thogmartin, T. Huang, G. F. McCracken, **R.A. Medellín**, J.E. Diffendorfer, and L. López-Hoffman. 2018. Willingness to Pay for Conservation of Transborder Migratory Species: A Case Study of the Mexican Free-Tailed Bat in the United States and Mexico. DOI: 10.1007/s00267-018-1046-1. *Environmental Management* 62. <https://doi.org/10.1007/s00267-018-1046-1>
4. Arteaga, M. C., **R.A. Medellín**, P. A. Luna-Ortiz, P. A. Heady III, W.F. Frick. 2018. Genetic diversity distribution among seasonal colonies of a nectar-feeding bat (*Leptonycteris yerbabuenae*) in the Baja California Peninsula. *Mammalian Biology* 92:78-85. DOI: 10.1016/j.mambio.2018.04.008
5. Rodriguez-Herrera, B., J. Arroyo-Cabrales, and **R. A. Medellín**. 2018. Hanging out in tents: social structure, group stability, male behavior, and their implications for the mating system of *Ectophylla alba* (Chiroptera: Phyllostomidae). *Mammal Research* DOI: 10.1007/s13364-018-0383-z
6. **Medellin, R.A.**, M. Rivero, A. Ibarra, J. A. de la Torre, T. P. Gonzalez-Terrazas, L. Torres-Knoop, and M. Tschapka. 2018. Follow me: foraging distances of *Leptonycteris yerbabuenae* (Chiroptera: Phyllostomidae) in Sonora determined by fluorescent powder. *Journal of Mammalogy* 99: 306-311. DOI:10.1093/jmammal/gyy016

#### 2017

1. Mena, J. L. and **R. A. Medellín**. 2017. Habitat complexity and small mammal diversity along an elevational gradient in Southern Mexico. *Mastozoologia Neotropical* 24:121-134
2. Gonzalez-Maya, J. G., E. Martínez-Meyer, **R. A. Medellín**, and G. Ceballos. 2017. Distribution of mammal functional diversity in the Neotropical realm: Influence of land-use and extinction risk. *PLoS One* <https://doi.org/10.1371/journal.pone.0175931>
3. De la Torre, A., J. M. Nuñez, **R. A. Medellín**. 2017. Spatial requirements of jaguars and pumas in Southern Mexico. DOI: 10.1016/j.mambio.2017.01.006
4. **Medellin, R. A.**, R. Wiederholt, L. Lopez-Hoffman. 2017. Conservation relevance of bat caves for biodiversity and ecosystem services. <http://doi.org/10.1016/j.biocon.2017.01.012>
5. Frick, W. F., E.F. Baerwald, J.F. Pollock, R.M.R. Barclay, J.A. Szymanski, T.J. Weller, A.L. Russell, S.C. Loeb, **R.A. Medellín**, L.P. McGuire. 2017. Fatalities at wind turbines may threaten population viability of a migratory bat. *Biological Conservation* 209: 172–177
6. De la Torre, A., J. M. Nuñez, **R. A. Medellín**. 2017. Habitat availability and connectivity for jaguars (*Panthera onca*) in the Southern Mayan Forest: Conservation priorities for a fragmented landscape. *Biological Conservation* 206:270-282
7. Wiederholt, R., K. J. Bagstad, G. F. McCracken, J. E. Diffendorfer, J. B. Loomis, D. J. Semmens, A. L. Russell, C. Sansone, K. LaSharra, P. Cryan, C. Reynoso, **R. A. Medellín**, and L. López-Hoffman. 2017. Improving spatio-temporal benefit transfers for pest control by generalist predators in cotton in the southwestern US. *International Journal of Biodiversity Science, Ecosystem Services, and Management*, 13: 27–39
8. De la Torre, J. A., J. F. Gonzalez Maya, H. Zarza, G. Ceballos, and **R. A. Medellín**. 2017. The jaguar's spots are darker than they appear: assessing the global conservation status of the jaguar *Panthera onca*. *ORYX* 51: xx-xxx. DOI: 10.1017/S0030605316001046

## 2016

9. Trejo-Salazar, R.E., L. E. Eguiarte, D. Suro-Piñera and R. A. Medellín. 2016. Save Our Bats, Save Our Tequila: Industry and Science Join Forces to Help Bats and Agaves. *Natural Areas Journal*, 36:523-530.
10. González-Terrazas, T.P., L. R. Viquez, A. Ibarra-Macías, A.T. Ruíz, L. Torres-Knoop, K. Jung, M. Tschapka, R. A. Medellín. 2016. New records and range extension of *Promops centralis* (Chiroptera: Molossidae). *Revista Mexicana de Biodiversidad* 87: 1407-1411
11. Nassar, J. M., R. Galicia, A. C. Ibarra, and **R. A. Medellín**. 2016. Tracking the origin of the smearing behavior in long-nosed bats (*Leptonycteris* spp.). *Mammalian Biology* – July 2016. DOI: 10.1016/j.mambio.2016.08.003



12. Orr, T. J., Teri J Orr, Jorge Ortega, **R. A Medellín**, Caitlin D Sánchez, Kimberly A Hammond. 2016. Journal of Mammalogy · July 2016. DOI: 10.1093/jmammal/gyw122
13. Cassaigne, I., **R. A. Medellín**, R. W. Thompson, and A. Torres-Gómez. 2016. Diet of pumas ( *Puma concolor* ) in Sonora, Mexico, as determined by GPS kill sites and molecular identified scat, with comments on jaguar ( *Panthera onca* ) diet. The Southwestern Naturalist 61:125-132
14. Frankin, K.A., P. Sommers, C.E. Aslan, B. Lopez R., J.L. Bronstein, E. Bustamante, A. Búrquez, **R.A. Medellín**, and B. Marazzi. 2016. Plant biotic interactions in the Sonoran Desert: Current knowledge and future research perspectives. International Journal of Plant Sciences 177:217-234.
15. Haynie, Michelle L., Tsuchiya, Mirian T. N., Ospina-Garcés, Sandra Milena, Arroyo-Cabrales, Joaquin, **Medellín, Rodrigo A.**, Polaco, Oscar J. and Maldonado, Jesús E. 2016. Placement of the rediscovered *Myotis planiceps* (Chiroptera: Vespertilionidae) within the *Myotis* phylogeny. Journal of Mammalogy, 97: 701-712. doi:10.1093/jmammal/gyv216

## 2015

16. Marazzi, B., J.L. Bronstein, P. N. Sommers, B. R. Lopez, E. B., A. Burquez, **R.A. Medellín**, C. Aslan, and K. Franklin. Plant Biotic Interactions in the Sonoran Desert Conservation Challenges and Future Directions. Journal of the Southwest, 57 (2-3):457-501.
17. Carrillo-Araujo, M., N. Tas, R.J. Alcantara-Hernandez, O. Gaona, J.E. Schondube, **R. A. Medellín**, J. K. Jansson, and L.I. Falcon. 2015. Phyllostomid bat microbiome composition is associated to host phylogeny and feeding strategies. Frontiers in Microbiology 6. Article 447. DOI: 10.3389/fmicb.2015.00447
18. Rodríguez-Rodríguez, M., J. Gasca-Pineda, **R. A. Medellín**, and L E. Eguiarte. 2015. Analysis of genetic diversity of bighorn sheep (*Ovis canadensis*) from Mexican populations. Journal of Mammalogy 96: 473–480. DOI:10.1093/jmammal/gyv066
19. Wiederholt, R, Lopez-Hoffman, L, Svancara, C, MCCracken, G, Thogmartin WG, Diffendorfer, JE, Mattsonm B, Bagstad, K, Cryan, P, Russel, A, Semmens, D, **Medellin, RA**. 2015. Optimizing conservation strategies for Mexican free-tailed bats: a population viability and ecosystem services approach. Biodiversity and Conservation. 24: 63-82, DOI 10.1007/s10531-014-0790-7

## 2014

20. Berger J., Cain SL, Cheng E, Dratch P, Ellison K, Francis J, Frost HC, Gende S, Groves C, Karesh WA, Leslie E, Machlis G, **Medellin RA**, Noss RF, Redford KH, Soukup M, Wilcove D, Zack S. 2014. Optimism and challenge for science-based conservation of migratory species in and out of U.S. National Parks. Conservation Biology 28:4-12.

21. Morales-Leyva, A, **R.A. Medellín**, SL Lance, B. Rodriguez-Herrera, M Del Real-Monroy, and J. Ortega, J. 2014. Development of microsatellite loci for the Honduran white-bat (*Ectophylla alba*) by using Il lumina paired-end sequences. *CONSERVATION GENETICS RESOURCES* 6: 219-220. DOI: 10.1007/s12686-013-0065-8
22. López-Hoffman, L, R Wiederholt, C Sansone, KJ Bagstad, P Cryan, JE Diffendorfer, J Goldstein, K LaSharr, J Loomis, G McCracken, **RA Medellín**, A Russell & D Semmens. 2014. Market forces and technological substitutes cause fluctuations in the value of bat pest-control services for cotton. *PLoS One*, 9(2): 7 pages. DOI:10.1371/journal.pone.0087912

### 2013

23. Ayala-Berdon, J., R. Galicia, C. Flores-Ortiz, **R. A. Medellín** and J. E. Schondube. 2013. Digestive capacities allow the Mexican long-nosed bat (*Leptonycteris nivalis*) to live in cold environments. *Comparative Biochemistry and Physiology A-Molecular & Integrative Physiology*: 164: 622-628 DOI: 10.1016/j.cbpa.2013.01.015
24. Wiederholt, R, L López-Hoffman, J Cline, **R A. Medellín**, P Cryan, A Russell, G McCracken, J Diffendorfer, and D Semmens. 2013. Moving across the border: A conservation modeling approach for migratory bat populations. *Ecosphere* 4(9): article 14. DOI:10.1890/ES-1300023
25. Anthony, S. J., R. Ojeda-Flores, R., O. Rico-Chavez, I. Navarrete-Macias, C.M. Zambrana-Torrel, M.K. Rostal, J. H. Epstein, T. Tipps, E. Liang, M. Sanchez-Leon, J. Sotomayor-Bonilla, A.A. Aguirre, R. Avila-Flores, R.A. Medellín, T. Goldstein, G. Suzan, P. Daszak, and W.I. Lipkin. 2013. Coronaviruses in bats from Mexico. *Journal of General Virology* 94: 1028-1038 DOI: 10.1099/vir.0.049759-0

### 2012

26. Gonzalez-Terrazas, T.P., **Medellin, R.A.**, Knoernschild, M., and M. Tschapka. 2012. Morphological specialization influences nectar extraction efficiency of sympatric nectar-feeding bats. *JOURNAL OF EXPERIMENTAL BIOLOGY* 215: 3989-3996
27. Redford, K. H., C. Groves, **R. A. Medellín**, J. G. Robinson. 2012. Conservation Stories, Conservation Science, and the Role of the Intergovernmental Platform on Biodiversity and Ecosystem Services. *CONSERVATION BIOLOGY* 26: 757-759 DOI:
28. Carter, G. G., R. Logsdon, B.D. Arnold, A. Menchaca, and **R. A. Medellín**. 2012. Vampire Bats Produce Contact Calls When Isolated: Acoustic Variation by Species, Population, Colony, and Individual. *PLOS ONE* 7 Article Number: e38791 DOI: 10.1371/journal.pone.0038791 Published: JUN 14 2012
29. Arteaga, M.C., D. Pinero, L. E. Eguiarte, J. Gasca, and **R. A. Medellín**. 2012. Genetic structure and diversity of the nine-banded armadillo in Mexico. *JOURNAL OF MAMMALOGY* 93: 547-559

## 2011

30. Rodriguez-Herrera, B., G. Ceballos, and **R.A. Medellin**. 2011. Ecological aspects of the tent building process by *Ectophylla alba* (Chiroptera: Phyllostomidae). *ACTA CHIROPTEROLOGICA* 13: 365-372
31. De La Torre, A., and **R. A. Medellin**. 2011. Jaguars *Panthera onca* in the Greater Lacandona Ecosystem, Chiapas, Mexico: population estimates and future prospects. *ORYX*, 45: 546–553.
32. Arteaga, M. C., J.E. McCormack, L.E. Eguiarte and **R. A. Medellin**. 2011. Genetic admixture in multidimensional environmental space: asymmetrical niche similarity promotes gene flow in armadillos (*Dasypus novemcinctus*). *EVOLUTION* 65:2470-80.
33. Mejia O, Herrera LG, May B, **R.A. Medellin** and J. J. Flores-Martinez. 2011. Effective population size dynamics of *Myotis vivesi* during the Pleistocene and Holocene climatic changes. *ACTA CHIROPTEROLOGICA* 13: 33-40
34. Sperr EB, Caballero-Martinez LA, **Medellin R.A.**, and M. Tschapka. 2011. Seasonal changes in species composition, resource use and reproductive patterns within a guild of nectar-feeding bats in a west Mexican dry forest. *JOURNAL OF TROPICAL ECOLOGY* 27: 133-145
35. Smith MJ, Benitez-Diaz H, Clemente-Munoz MA Donaldson J., Hutton JM., McGough HN., **Medellin R.A.**, Morgan DHW., O'Criodain C., Oldfield TEE., Schippmann., Williams RJ. 2011. Assessing the impacts of international trade on CITES-listed species: Current practices and opportunities for scientific research. *BIOLOGICAL CONSERVATION* 144: 82-91.

## 2010

36. Cassaigne, I., **R. A. Medellin**, and José A. Guasco. 2010. Mortality During Epizootics in Bighorn Sheep: Effects of Initial Population Size and Cause. *Journal of Wildlife Diseases* 46:763-771
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14. Azuara, D. y **R. A. Medellín**. 2007. Fototrampeo como herramienta para el estudio del jaguar y otros mamíferos en la Selva Lacandona, Chiapas. Pp. 143-153 en Conservación y manejo del jaguar en

México, estudios de caso y perspectivas (G. Ceballos, C. Chávez, R. List y H. Zarza, editores). CONABIO, WWF, TELCEL Y UNAM.

15. Chávez, C., G. Ceballos, **R.A. Medellín** y H. Zarza. 2007. Primer Censo Nacional del Jaguar. Pp. 133-141 en Conservación y manejo del jaguar en México, estudios de caso y perspectivas (G. Ceballos, C. Chávez, R. List y H. Zarza, editores). CONABIO, WWF, TELCEL Y UNAM.
16. **Medellín, R. A.** 2007. Prólogo. Pp. IX-X en Historia natural, distribución y Conservación de los Murciélagos de Bolivia (L. F. Aguirre, Editor). Fundación Simón Patiño, La Paz, Bolivia.
17. **Medellín, R.A.**, D. Azuara, L. Maffei, H. Zarza, H. Bárcenas, E. Cruz, R. Legaria, I. Lira, G. Ramos, O. Gaona, y S. Avila. 2006. Censos y Monitoreos. Pp. 25-35 in El Jaguar Mexicano en el Siglo XXI: Situación Actual y Manejo. C. Chávez y G. Ceballos, Editores. CONABIO, WWF-TELCEL, UNAM. México, D. F., 83 pp.
18. Porzecanski, A. L., N. Bynum, J.L. Mena, y **R. A. Medellín**. 2006. La Red de Educadores y Profesionales de la conservación: La implementación de un proyecto internacional de educación superior en México. Pp. 389-401, en Educación para la Conservación (A. Barahona y L. Almeida, Editoras). Programa Universitario de Medio Ambiente, UNAM.
19. Sánchez-Cordero, V., and **R. A. Medellín** (editors). 2005. Contribuciones Mastozoológicas en homenaje a Bernardo Villa. Instituto de Biología e Instituto de Ecología, UNAM, CONABIO. México
20. Huerta-Patricio, E., K. D. Cameron, G. N. Cameron, and **R. A. Medellín**. 2005. Conservation implications of exotic game ranching in the Texas hill country. Pp. 237-252 in Contribuciones Mastozoológicas en homenaje a Bernardo Villa (V. Sánchez-Cordero y R. A. Medellín, editores). Instituto de Biología e Instituto de Ecología, UNAM, CONABIO. México
21. Amor, D.C., S.O. Kolokotronis R.R. Ramey II, **R.A. Medellín** y O.A. Ryder. 2005. Genética de la Conservación del Berrendo. Pp. 23-33 *In*: El Berrendo en México, Acciones de conservación. Valdes M, de la Cruz E, Peters E, Pallares E, Editors. Agrupación Sierra Madre & Instituto Nacional de Ecología (INE-SEMARNAT), México DF.
22. Ceballos, G., J. Arroyo-Cabrales, **R. A. Medellín**, L. Medrano, and G. Oliva. 2005. Diversidad y conservación de los mamíferos de México. Pp. 21-66 in Los mamíferos silvestres de México (G. Ceballos and G. Oliva, coordinadores). CONABIO-Fondo de Cultura Económica, México D. F., México.
23. Ceballos, G., J. Arroyo-Cabrales, and **R. A. Medellín**. 2005. Lista sistemática de las especies. Pp. 73-95 in Los mamíferos silvestres de México (G. Ceballos and G. Oliva, coordinadores). CONABIO-Fondo de Cultura Económica, México D. F., México.
24. **Medellín, R. A.**, autor or coauthor with various students of texts on a total of 33 mammal species: *Marmosa mexicana*, *Caluromys derbianus*, *Chironectes minimus*, *Didelphis marsupiales*, *D. virginiana*, *Metachirus nudicaudatus*, *Philander opossum*, *Macrotus waterhousi*, *Glyphonycteris sylvestris*, *Lamproncycteris brachyotis*, *Micronycteris schmidtorum*, *Chrotopterus auritas*, *Trachops cirrhosus*, *Vampyrus spectrum*, *Lonchorhina aurita*, *Lophostoma brasiliense*, *Lophostoma evotis*, *Macrophyllum*

*macrophyllum*, *Mimon bennetti*, *M. crenulatum*, *Phylloderma stenops*, *Phyllostomus discolor*, *Tonatia saurophila*, *Eptesicus brasiliensis*, *Myotis albescens*, *M. vivesi*, *Pipistrellus subflavus*, *Eumops hansae*, *Spilogale pygmaea*, *Mazama pandora*, *Zygoeomys trichopus*, *Oryzomys couesi* y *Oryzomys melanotis* in the book: Los mamíferos silvestres de México (G. Ceballos and G. Oliva, coordinadores). CONABIO-Fondo de Cultura Económica, México D. F., México.

25. Gaona, Osiris y **R. A. Medellín**. 2004. Los Murciélagos de Tamaulipas. In: La Gran Provincia Natural Tamaulipeca (P. Robles Gil, E. Ezcurra, E. Peters, E. Pallares y A. Ezcurra, compiladores). Gobierno del Estado de Tamaulipas y Agrupación Sierra Madre, Ciudad Victoria, Tamaulipas.
26. Burnie, D. (editor). Soberón, J., **R. A. Medellín** y G. Jiménez (Revisores científicos). 2003. Animal. Santillana. Costa Rica. 624 pp.
27. **R. A. Medellín** y M. D. Tuttle. 2003. Murciélagos. Pp. 79-84 in: GRANDES ESPECTÁCULOS DEL MUNDO ANIMAL. (Mittermeier, R. A., P. Robles Gil, C. G. Mittermeier, T. Brooks, M. Hoffmann, W. R. Konstant, G. A. B. Da Fonseca y R. B. Mast). CEMEX. Japón.
28. E. W. Sanderson, C.-L. B. Chetkiewicz, **R. A. Medellín**, A. Rabinowitz, K. H. Redford, J. G. Robinson y A. B. Taber. 2002. Un análisis geográfico del estado de conservación y distribución de los jaguares a través de su área de distribución. Pp. 551-600 in: EL JAGUAR EN EL NUEVO MILENIO (**R. A. Medellín**, C. Equihua, C.L.B. Chetkiewicz, P.G. Crawshaw Jr., A. Rabinowitz, K.H. Redford, J.G. Robinson, E.W. Sanderson, y A.B. Taber, compiladores). Fondo de Cultura Económica, Universidad Nacional Autónoma de México, Wildlife Conservation Society. México, D. F.
29. E. W. Sanderson, C.-L. B. Chetkiewicz, **R. A. Medellín**, A. Rabinowitz, K. H. Redford, J. G. Robinson y A. B. Taber. 2002. Prioridades geográficas para la conservación del jaguar. Pp. 601-627 in: EL JAGUAR EN EL NUEVO MILENIO (**R. A. Medellín**, C. Equihua, C.L.B. Chetkiewicz, P.G. Crawshaw Jr., A. Rabinowitz, K.H. Redford, J.G. Robinson, E.W. Sanderson, y A.B. Taber, compiladores). Fondo de Cultura Económica, Universidad Nacional Autónoma de México, Wildlife Conservation Society. México, D. F.
30. Taber, A. B., C.-L. B. Chetkiewicz, **R. A. Medellín**, A. Rabinowitz, y K. H. Redford. 2002. La conservación del jaguar en el nuevo milenio. Pp. 629-640 in: EL JAGUAR EN EL NUEVO MILENIO (**R. A. Medellín**, C. Equihua, C.L.B. Chetkiewicz, P.G. Crawshaw Jr., A. Rabinowitz, K.H. Redford, J.G. Robinson, E.W. Sanderson, y A.B. Taber, compiladores). Fondo de Cultura Económica, Universidad Nacional Autónoma de México, Wildlife Conservation Society. México, D. F.
31. **R. A. Medellín**, C. Equihua, C.L.B. Chetkiewicz, P.G. Crawshaw Jr., A. Rabinowitz, K.H. Redford, J.G. Robinson, E.W. Sanderson, y A.B. Taber, compiladores. 2002. EL JAGUAR EN EL NUEVO MILENIO. Fondo de Cultura Económica, Universidad Nacional Autónoma de México, Wildlife Conservation Society. México, D. F.
32. G. Ceballos, J. Arroyo-C., y **R. A. Medellín**. 2002. Mamíferos de México. Pp. 377-413 in: Diversidad y Conservación de los Mamíferos Neotropicales (G. Ceballos y J. A. Simonetti, editores). Comisión Nacional para el Conocimiento y Uso de la Biodiversidad (CONABIO) y Universidad Nacional Autónoma de México, México, D. F.

33. **Medellín, R. A.**, H. T. Arita y O. Sánchez. 1997. Identificación de los murciélagos de México, clave de campo. Publicaciones Especiales, Asociación Mexicana de Mastozoología, A. C., 83 pp.
34. **Medellín, R. A.** 1993. Estructura y diversidad de una comunidad de murciélagos en el trópico húmedo mexicano. Pp. 333-354, en Avances en el estudio de los mamíferos de México (R. A. Medellín and G. Ceballos, eds.). Publicaciones Especiales Vol. 1, Asociación Mexicana de Mastozoología, A. C., México, D. F., 464 pp.
35. **Medellín, R. A.**, y G. Ceballos (editores). 1993. Avances en el estudio de los mamíferos de México. Publicaciones Especiales Vol. 1, Asociación Mexicana de Mastozoología, A. C., México, D. F., 464 pp.
36. **Medellín, R. A.**, O. Sánchez y G. Urbano. 1992. Ubicación zoogeográfica de la Selva Lacandona, Chiapas, a través de su fauna de quirópteros. Pp. 233-251 in: Reserva de la Biosfera de los Montes Azules, Selva Lacandona: investigación para su conservación (M. A. Vásquez-Sánchez y M. A. Ramos, eds.). Centro de Estudios para la Conservación de los Recursos Naturales, A. C., San Cristóbal, Chiapas, México. Publ. Esp. Ecosfera 1:436 pp.
37. **Medellín, R. A.** La Fauna: Diversidad de los Vertebrados. Pp. 75-109, in Lacandonia, El Ultimo Refugio. Universidad Nacional Autónoma de México y Agrupación Sierra Madre. 1991: 153 pp. México, D. F.

#### **5.5 Essays and book reviews (total: 6):**

1. **Medellín, R. A.** 2010. Of Lions, and Tigers, and Bears, Oh My! Reintroduction of Top-Order Predators (book review). *Conservation Biology* 24:910-910.
2. **Medellín, R. A.** y D. E. Wilson. 1992. (Review of) Los Murciélagos de Chiapas, por S. T. Alvarez-C. y T. Alvarez. *Journal of Mammalogy*, 73:231-232 (invited by editor).
3. **Medellín, R. A.** 1995. (Review of) Mammal species of the world (D. E. Wilson and D. M. Reeder, eds. Smithsonian Institution Press. *Revista Mexicana de Mastozoología, AMMAC*, México, D. F., 1:77-78 (invited by editor).
4. **Medellín, R. A.** 1998. The guide to a diverse fauna in a complex landscape (Review of the book Neotropical rainforest mammals: a field guide, by Louise Emmons). *Journal of Biogeography* 25: 987 (invited by editor).
5. **Medellín, R. A.** 1999. Sustainable harvest for conservation. *Conservation Biology* 13:225.
6. **Medellín, R. A.** 2000. (Review of) Reid, F. A. 1997. A field guide to the mammals of Central America and southeast Mexico. Oxford University Press, New York. *Journal of Mammalogy* 81:912-914 (invited by editor).

#### **5.6 Popular publications (total: 19):**

1. **Medellín, R. A.** 2007. Selvas: otro desastre. REFORMA major newspaper. 15/04/2007

2. **Medellín, R. A.** Asegurar la Biodiversidad. Periódico REFORMA major newspaper. 13/05/2007
3. **Medellín, R. A.** Absolutismo y biodiversidad. Periódico REFORMA major newspaper. 24/06/2007
4. **Medellín, R. A.** 250 millones de árboles. Periódico REFORMA major newspaper, 12/08/2007
5. **Krebbs, K, R. A. Medellín, Y. Petryzsyn, A. McIntire, L. Lewis, and D. Dalton.** 2005. Lesser long-nosed bat. Sonorensis, Winter 2005. Newsletter of the Arizona-Sonora Desert Museum. Tucson.
6. **Gaona, O. and R. A. Medellín.** 2005. "The Lacandon Jungle: Bulwark of Biodiversity". *Voices of México*, No. 72. July-September: Pp.108-112
7. **Medellín, R. A., and S. Walker.** 2003. Nightly wings, nectar sips. *Endangered Species Bulletin*, U. S. Fish and Wildlife Service, 28 (3):16-17.
8. **Medellín, R. A.** 2003. Los murciélagos, factor esencial para la recuperación natural de selvas. *Boletín UNAM*. No. 463
9. **Medellín, R. A. y O. Gaona.** 2001. La cooperación para la conservación: una alianza internacional contribuye a la protección de murciélagos. *Andira*. Vol. 3 No. 1
10. **Medellín, R. A.** 2000. Emergencia en la Selva Lacandona (Entrevistado por Rosario Manzanos) *Revista PROCESO* 1228, 14 de mayo de 2000, Pp. 42-44.
11. **Medellín, R. A. y O. Gaona.** 2000. ¿Qué tienen los murciélagos que unos los quieren destruir y otros los quieren salvar? *Especies, Revista sobre conservación y biodiversidad* , 9:3-8
12. **Tuttle, M. D., D. A. R. Taylor, R. A. Medellín y S. Walker.** 2000. Murciélagos y Minas. Publicación 3A Bat Conservation International/Programa para la Conservación de los Murciélagos Migratorios. Austin, Texas, 56 pp.
13. **Medellín, R. A., S. Walker y M. D. Tuttle.** 2000. Murciélagos, de la superstición al conocimiento de su utilidad ecológica. *National Geographic en español*, septiembre de 2000 (Conservación en Latinoamérica):1-6.
14. **Medellín, R. A., F. Colchero, C. Manterola, F. Ramírez, y G. Ceballos.** 1999. The Tiburon Island Bighorn Sheep Program: an example of binational, interinstitutional collaboration for conservation and sustainable development in a Mexican Indian and protected area. *Wild Sheep*, Spring of 1999: 71-72.
15. **Medellín, R. A.** 1999. Los niños, promotores de la salvación de los murciélagos, según un programa México-Estados Unidos (Entrevistado por Rosario Manzanos). *Revista Proceso* 1180, 13 de junio de 1999, Pp. 64-65.
16. **Medellín, R. A.** 1999. Bat Conservation and PCMM. (Entrevistado por el escrito James Withgott) *BioScience*, November 1999, Vol. 49, Number 11: 860-861.



17. **Medellín, R. A.** 1996. Reserva de la Biósfera Montes Azules. *Gaceta Ecológica*, SEMARNAP-INE, 38, primavera de 1996: 23-26.
18. Navarro, L., J. Arroyo and **R. A. Medellín.** 1996. Bat awareness in Mexico begins with children. *Bats magazine*, 14(3):3-6.
19. **Medellín, R. A.** La Selva Lacandona. *Arqueología Mexicana*, Nov.-Dic. de 1996, Vol. IV, No. 22:64-69.
20. **Medellín, R. A.** 1995. El borrego Cimarrón. *Gaceta Ecológica*, SEMARNAP-INE, 37, Diciembre de 1995: 19-21.
21. **Medellín, R. A.** 1991. La Selva Lacandona: Pasado. *Oikos*, 10: 2. Centro de Ecología, UNAM.
22. **Medellín, R. A.** 1991. La Selva Lacandona: Presente y Futuro. *Oikos*, 11: 2. Centro de Ecología, UNAM.
23. **Medellín, R. A.** 1991. The Selva Lacandona: An overview. *Tropical Conservation and Development Newsletter*, 24 (November):1-5. Center for Latin American Studies, University of Florida.

## **5.7 Other products:**

1. Scientific advisor, TV Series Los Últimos Santuarios, Canal 11, 1997-1998.
- 2.- Advisor and technical consultant for the exhibit "Amos de la Noche", presented in Papalote, Museo del Niño, 1996.
- 3.- Consultant and technical responsible for the exhibit "Amos de la Noche", presented in the Museo de Historia Natural, Chapultepec, 1997-1998.
- 4.- Academic coordinator and coproducer of the TV series DIVERSIDAD BIOLÓGICA Y DESARROLLO SUSTENTABLE EN MÉXICO: LA CONSERVACIÓN Y EL APROVECHAMIENTO COMO ALTERNATIVAS. Sistema de Universidad Abierta, UNAM/EDUSAT. August 1998.

## **6. Other recognitions and appointments**

### **6.1. Recognitions:**

- a. First place (with Clementina Equihua and Héctor Arita) in the First Contest of Slide and Sound Shows in Zoology, AUDIOVIZOOL, School of Sciences, UNAM, with the audiovisual "Hábitos Alimenticios de los Murciélagos" (food habits of bats).
- b. Honorary Mention (shared with Clementina Equihua) in the Second National Contest of Scientific Photography, with the slide "Cazador y Presa" (Hunter and prey).
- c. Awarded master's bypass by the School of Forest Resources and Conservation due to abilities demonstrated in coursework (October, 1987)
- d. University of Florida's Presidential Recognition award for academic excellence, received in March, 1988.

- e. Recipient of the Program of Incentives to the Academic Productivity (PRIDE), UNAM, level B 1995-2000
- f. PRIDE level C since 2000.
- g. National System of Researchers level 1 since 1992, renewed in 1995, 98, and 2001. Level 2 since 2004.
- h. Member of The Evaluation Committee, UNAM, DGAPA, since 1998
- i. Member of the Mexican Academy of Sciences since 1999.
- j. Member of the Evaluation Committee, Natural Sciences, National Council of Science and Technology, 1993-1998 and 2005-present.

## 6.2. Editorial and evaluation Committees:

Associate Editor of the following professional journals:

**Journal of Mammalogy** July 2005 to 2010.

**Mastozoología Neotropical** April 2003-2008.

**Conservation Biology** September 2003-2011.

**Acta Chiropterologica, the International Journal of Chiropteran Biology**, June 2002-2011

**ORYX**, the International Journal of Conservation since April 2002-2011

**REVISTA MEXICANA DE MASTOZOLOGIA**, Asociación Mexicana de Mastozoología, A. C., de 1988 a la fecha

Editor of the journal "ZACATUCHE", Publisher by the Mexican Society of Mammalogists 1984-1986.

- c) Member of the following Grant Selection Committees: CONACYT (Natural Sciences), Mexican Fund for Nature, Bat Conservation International, Wildlife Conservation Society, Conservation Leaders Programme, British Petroleum, Conservation International, IUCN-Species Survival Commission, Convention for Migratory Species
- d) Referee for project evaluation, CONACYT, CONABIO, Wildlife Conservation Society, New York Zoological Society, Conservation International, Bat Conservation International and Fondo Mexicano para la Conservación de la Naturaleza, CONSERVA (DDF).

## 6.3. **Manuscript review** in the last 3 years for the following journals:

- a. PLOS Biology
- b. PLOS ONE
- c. Proceedings of the National Academy of Sciences (PNAS)
- d. Journal of Mammalogy
- e. Biotropica

- f. Oecologia
- g. Ecology
- h. Oryx Flora and Fauna International
- i. Biological Conservation
- j. Journal of Applied Ecology
- k. Biodiversity and Conservation
- l. Conservation Biology
- m. Acta Chiropterologica

## **7. Scientific societies:**

Asociación Mexicana de Mastozoología, A. C. (founding and life member, 1983)  
 American Society of Mammalogists (life member, 1981)  
 Sociedad Mexicana de Zoología since 1986  
 Sociedad Mexicana de Historia Natural since 1986  
 Mexican Academy of Sciences since 1999  
 Bat Conservation International (invited member since 1982)  
 Ecological Society of America 1988-2001  
 Association for Tropical Biology since 1989  
 Society for Conservation Biology since 1985

## **8. Grants and support:**

### **Becas y apoyos**

2000-2014: CONACYT, \$ 3,644,000 pesos; CONANP-SEMARNAT, \$ 180,000; UC-MEXUS, \$ 25,000 USD; The JRS Biodiversity Foundation, \$ 160,000 USD; ROLEX Awards for Enterprise, \$ 50,000 USD; CONACYT, \$ 4,230,000 pesos; CONANP, \$ 340,000; CONABIO, 260,000; Corredor Biológico Mesoamericano, \$ 1,230,000; U.S. Fish and Wildlife Service, \$ 50,000 USD; The Rufford Small Grants Program, £ 5,000; £ 5,000; £ 5,000; £ 5,000; The V. Kann Rasmussen Foundation, \$ 50,000 USD; Instituto Nacional de Ecología, \$ 85,000; CONACYT, 1,230,000; Alianza Telcel-WWF, \$1,300,000; CONANP, \$ 480,000; The Whitley Fund for Nature: £ 30,000; £ 50,000; £ 50,000; £ 50,000. VW de México, \$ 50,000 USD; Wildlife Trust, \$ 25,000 USD; 20,000 USD; 20,000 USD. The Disney Endangered Species Fund, \$ 25,000 USD; \$ 30,000 USD; Sea World, \$ 25,000 USD; \$ 30,000; CONANP, \$ 120,000; The Mohammed Bin Zayed Endangered Species Fund, \$ 30,000 USD. Other minor support from Bat Conservation International, American Society of Mammalogists, Idea Wild, and others.

2000. John D. and Catherine T. MacArthur Foundation, support for studies on ecology of disturbance in the Selva Lacandona, Chiapas

1999. El Fondo Mexicano para la Conservación de la Naturaleza otorgó el apoyo para el Programa para la Conservación de los Murciélagos Migratorios (PCMM), \$ 320,000.

1998-99.- Diversos apoyos provenientes del U.S. Fish and Wildlife Service, Arizona-Sonora Desert Museum, Bat Conservation International, y otras, para el Programa para la Conservación de los Murciélagos Migratorios (PCMM).

1996.- El Fondo Mexicano para la Conservación de la Naturaleza otorgó apoyo complementario para el Programa de Conservación de los Murciélagos Migratorios.

1995. Bat Conservation International otorgó el apoyo inicial para el establecimiento del Programa para la Conservación de los Murciélagos Migratorios.

1994.- Fundación MacArthur/Centro de Ecología, otorgaron apoyo adicional para proyectos de investigación y conservación en la Selva Lacandona.

1994.- Conservación Internacional otorgó apoyo complementario para el estudio Ecología de la perturbación en la Selva Lacandona.

1994.-CONACYT, Granivoría y Herbivoría por roedores en la Reserva de la Biosfera Sierra de Manantlán, CONACYT.

1993.- Fundación MacArthur/Centro de Ecología, otorgaron apoyo para proyectos de investigación y conservación en la Selva Lacandona.

1990.- Beca de la Dirección General de Asuntos del Personal Académico, Universidad Nacional Autónoma de México, a través del Centro de Ecología, para finalizar estudios de doctorado, Enero de 1990-diciembre de 1991.

1989.- Apoyo de la School of Forest Resources and Conservation, University of Florida para viajar al V International Theriological Congress en Roma, Italia, para presentar dos trabajos.

1989.- El World Wildlife Fund otorgó apoyo para el proyecto Ecology and conservation of mammals in the Mayan rainforest of southern Mexico.

1989.- Wildlife Conservation International (New York Zoological Society) otorgó apoyo complementario para el proyecto Ecology and conservation of mammals in the Mayan rainforest of southern Mexico.

1986.- Beca CONACyT # 52701 para desarrollar estudios de doctorado. Esta beca incluye gastos de colegiatura (tuition), póliza de seguro y un estipendio mensual, por cuatro años. Enero de 1987-Diciembre de 1990.

## **9. Some recent invited seminars and plenary conferences**

Invited Seminar, University of Ulm, Institute of Experimental Biology, Ulm, Germany, July 24th, 2014

Invited Seminar, University of Washington, Seattle, Department of Biology, Seattle, Washington, April 14th, 2014

Guest lecturer, Hofstra University, Long Island, New York, March 28th 2014

Invited Seminar, Institute for Mexican Studies, CUNY, City University of New York, Bronx, New York, March 31, 2014

Invited Seminar, Texas Tech University, Lubbock, Texas, Marzo 12 de 2014

Member of the Scientific Council of the Instituto Regional de Biodiversidad, An advisory body to the Ministers of the Environment of Central America. El Zamorano, Tegucigalpa, Honduras.

Invited inaugural Plenary Speaker, 16th International Bat Research Conference and 43rd North American Symposium of Bat Research, San José, Costa Rica, August 12th, 2013

Invitado a ser el Orador de Inicio del Ciclo Escolar de la Escuela de Biología, Universidad de Costa Rica, marzo 3, 2013

Invited Seminar Columbia University, Department of Ecology, Evolution, and Environmental Science (E3B), New York, November 20<sup>th</sup>, 2012

Invited Seminar, North American Pollinator Protection Campaign, Environmental Protection Agency, Washington, D. C., October 18, 2012

Invited lecture, Smithsonian Tropical Research Institute, Barro Colorado Island, Panama, Symposium Memorial Elisabeth K.V. Kalko, August 21<sup>st</sup>, 2012

Invited Seminar, Zoological Society of London, London, U.K., May 11<sup>th</sup>, 2012

Invited Seminar, Faculty of Superior Studies Zaragoza, UNAM, november 15<sup>th</sup>, 2011.

Opening Plenary invited: National Congress of Veterinary Medicine, San José, Costa Rica, November 4<sup>th</sup>, 2011

Invited Seminar, University of Costa Rica, San Jose, Costa Rica, August 3<sup>rd</sup>, 2011

Invited Talk, Wild Felid Association Meeting, in Bozeman, Montana, May 3<sup>rd</sup>, 2011: Jaguars in Peril: the next 100 years.

Invited Seminar, School of Natural Resources, University of Arizona, April 23<sup>rd</sup>, 2010

Guest Seminar for the Kenya Wildlife Service on Mexican biodiversity and conservation programs, October 8<sup>th</sup>, 2009

Plenary Lecture, Latin American Rabies Congress, Puebla, Mexico, November 9<sup>th</sup>, 2009

Invited lecture, Universiti Malaysia in Sabah, Sabah, Borneo. July 26, 2009. Coordinated by the Mexican Embassy in Malaysia

Invited Lecture, Chinese Academy of Sciences, Beijing, July 14<sup>th</sup>, 2009. Coordinated by the Mexican Embassy in China

Plenary lecture invited by the President of the University of Hidalgo, Pachuca, Hidalgo, Mexico, February 12, 2009.

Guest speaker, University of Guerrero, Chilpancingo, Guerrero, October 27, 2008.

Seminar for the Department of Wildlife Ecology and Conservation, University of Florida, October 1, 2007.

Plenary Inaugural Lecture of the 14th Annual Conference, The Wildlife Society, Tucson, Arizona, 23 September 2007.

Plenary Lecture in the II Congreso Nacional de Mastozoología en Bolivia, La Paz, Bolivia, 18 May 2006.

Seminar for the Cambridge Conservation Forum, Cambridge, UK, November 25<sup>th</sup>, 2004

Seminar for Bat Conservation Trust, London, UK, November 24<sup>th</sup>, 2004

Seminar for the Center of Conservation Biology, Stanford University, April 2004.

Seminar for the National Zoological Park, Genetics Department, Washington, D. C., March 2003.

Seminar for the U. S. National Museum of Natural History, Smithsonian Institution, Washington, D. C., March 2003.

Invited talk to the 5th World Parks Congress, 8-17 September 2003, Durban, South Africa: The protected areas of Mexico: overview, achievements, and challenges

Invited talk to the 5th World Parks Congress, 8-17 September 2003, Durban, South Africa: Bighorn sheep management and community development in the Gulf of California

Seminar for the Department of Ecology, Evolution, and Environmental Biology (E3B), Columbia University, in October 2002.

Seminar: Mexico's Program for the Conservation and harvest of Wildlife. en el Department of Biology, Texas A&M University, College Station, Texas, April 5, 2001.

Invited talk to the VI International Theriological Congress, Sydney, Australia, July 1993: Conservation of Mammals in a lumpy world. K. H. Redford, J. Sendzimir. **R. A. Medellín**, and C. S. Holling. Presented by R. Medellín.

Plenary Inaugural talk, XVIII Congreso Nacional de Zoología, Morelia, Michoacán, Noviembre de 1995.

Plenary Magistral Inaugural Conference, I Reunión del Colegio de Biólogos de Chiapas, Octubre de 1995.

Various invited talks 1-2 times a year at Museo de las Ciencias Universum since 1995.

Magistral conferences to present the Programa de Conservación y Manejo de Vida Silvestre to the media, high-level government officers, etc., INE-SEMARNAP, november 1996-July 1997.

Circuit of conferences in various institutions in Mexico and the U. S. to present the Programa de Conservación y Manejo de Vida Silvestre INE-SEMARNAP, 1996-1998.

Invited talks to the Seventh International Theriological Congress, Acapulco, Guerrero, september 1997:

1. Migratory bats: research and conservation priorities and perspectives.
2. Mammal diversity and conservation in Latin America.

Invited to coordinate the round table on vampire bat control, 11th International Bat Research Conference, Pirenópolis, Brasil, august 1998.

Magistral Conference invited 23 World Montessori Congress, Cancún, Quintana Roo, july 1999: diversidad y conservación de la vida silvestre mexicana.

Seminar, Department of Ecology and Evolutionary Biology, University of Tennessee, Knoxville, 3 march 2000: Bat diversity and abundance as indicators of disturbance in Neotropical rainforests.

Magistral Conference in the XI Annual Conference of the Rio Bravo Association, Texas A&M University, Kingsville, Texas, March 31, 2000: The Program for Recovery and Conservation of the Priority Species in Mexico.

Seminar in the Department of Biology, Texas A&M University, College Station, Texas, April 5 2001.

Lecture in the San Diego Natural History Museum, Horns and Hooves, Flats and Peaks: bighorn sheep and pronghorn antelope conservation and recovery in Mexico. May 10, 2001.

47 talks in international scientific meetings and 33 talks in national meetings.

## **9. Presence in the media.**

Rodrigo appears in national and international press, radio, and television. Usually he appears anywhere between 8 and 20 times each in radio, TV, and printed media each year in the United States, Mexico, Europe, and other countries. Some notable appearances:

During four months of 2013, London's BBC produced a documentary entitled The Bat Man of Mexico, referring the life and work of Rodrigo A. Medellín. This one-hour-long film was directed by

Tom Mustill, narrated by Sir David Attenborough, and nominated for the Panda Award of the Bristol WildScreen Festival, 2014. It has aired in BBC-2 on several occasions and is part of the series Natural World.

<http://www.bbc.co.uk/programmes/p020tnx3>

Many links show his appearances. A few are indicated below:

## 10. Human resources:

### 8.1. Theses directed:

Undergraduate level (total 36):

1. Daniela Adriana Cafaggi Lemus. 2019. Diversidad de murciélagos en cuatro zonas arqueológicas del estado de Yucatán: Chichén Itzá, Dzibilchaltún, Ek'Balam y Uxmal. Facultad de Ciencias, Universidad Nacional Autónoma de México (UNAM)
2. Abigail Martinez Serena. 2017. EVALUACIÓN DEL ENSAMBLE DE MURCIÉLAGOS INSECTÍVOROS AÉREOS EN PLANTACIONES DE PALMA DE ACEITE (*Elaeis guineensis*) EN LA SELVA LACANDONA, CHIAPAS, MÉXICO. Facultad de Ciencias, UNAM, 9 de marzo de 2017.
3. Alma Rosa Moreno Perez. 2017. Selección de refugio por *Desmodus rotundus* e interacciones interespecíficas. Facultad de Ciencias, UNAM, 11 de abril de 2017.
4. Begoña Iñarritu Castro. 2017. Facultad de Ciencias, UNAM, 22 de agosto de 2017.
5. Crysia Marina Rivero Hernández. 2016. Los murciélagos tienderos como dispersores de semillas grandes en la Selva Lacandona, Chiapas, México. 18 de agosto de 2016.
6. Thalía Cecilia Vargas García. 2014. Genética de la Conservación del murciélago de cabeza aplanada *Myotis planiceps* en Los Pinos, Coahuila. Facultad de Ciencias, UNAM, 29 de septiembre de 2014.
7. Miryam Prado Lallande 2014. Informe de Trabajo Profesional realizado en la Comisión Nacional de Áreas Naturales Protegidas: Conservación de ocho especies en riesgo. Facultad de Ciencias, UNAM, 28 de agosto de 2014.
8. Leonora Torres Knoop. 2014. Refugio de apareamiento de *Leptonycteris nivalis*: modelación y búsqueda de un recurso limitante. Facultad de Ciencias, UNAM, 18 de agosto de 2014.
9. Ruben Salinas Galicia. 2013. *Ipomoea murucoides* (convulvaceae) como recurso de invierno para *leptonycteris nivalis* (phyllostomidae) en Tepoztlán, Morelos, México. Facultad de Ciencias, UNAM, 24 de junio de 2013
10. Paulina Núñez Rojo. 2011. Ecología del refugio de verano del murciélago endémico mexicano de cabeza plana (*Myotis planiceps*). Facultad de Ciencias, UNAM, 18 de marzo de 2011.
11. Guillermo Muñoz Lacy. 2010. Efecto del murciélago vampiro común *Desmodus rotundus* (E. Geoffroy, 1810) sobre hatos de ganado vacuno de Hueytamalco, Puebla. 1 de diciembre de 2010.
12. Lopez Segurajauregui, Gabriela. 2010. Dieta del murciélago magueyero mexicano *Leptonycteris nivalis* (Chiroptera: Phyllostomidae) en cuatro cuevas del centro de Mexico. Facultad de Ciencias, UNAM. 5 de noviembre de 2010.
13. Angélica Menchaca Rodríguez. 2010. Determinación de la dieta de dos especies de murciélagos vampiros (*Desmodus rotundus* y *Diphylla ecaudata*), utilizando un método no invasivo, del Noreste de Puebla, México. Facultad de Ciencias, UNAM, 25 de octubre de 2010.



14. Karla Patricia Toledo Gutiérrez. Hábitos reproductivos del murciélago magueyero mayor *Leptonycteris nivalis* (CHIROPTERA: PHYLLOSTOMIDAE) en la “Cueva del Diablo”, Tepoztlán Morelos, México. Facultad de Ciencias, UNAM, 20 de marzo de 2009.
15. Tania Paulina González Terrazas. 2008. Factores ecológicos que influyen en la estructura de la comunidad de murciélagos nectarívoros en Callejones, Colima, México. Facultad de Ciencias, UNAM, Agosto de 2008.
16. Hernández Moreno, Martha Elena 2005. Patrones reproductivos, abundancia relativa y dieta de los murciélagos frugívoros de la Selva Lacandona, Chajul, Chiapas. Esc. Biología, BUAP, Mayo de 2005.
17. Azuara Santiago, Danae. 2005. Estimación de abundancia de mamíferos terrestres en un área de la Selva Lacandona, Chiapas. Facultad de Ciencias, UNAM.
18. Ana Magdalena Soler Frost. Cambios en la abundancia relativa y dieta de *Lontra longicaudis* en relación a la perturbación de la selva Lacandona, Chiapas, México. Facultad de Ciencias, UNAM. 2004.
19. Claudia Galicia Castillo. Diversidad y abundancia de murciélagos en tres cuevas de Guerrero con diferentes niveles de actividad humana. Facultad de Ciencias, UNAM. Junio 2004
20. Alejandro Gómez Nísino. Ecología de pequeños mamíferos postfenómeno “El Niño” en la selva Lacandona, Chiapas. Facultad de Ciencias, UNAM. Junio 2004
21. Luis Antonio Caballero Martínez. Observaciones sobre la conducta reproductiva de *Leptonycteris nivalis* (Chiroptera: Phyllostomidae) en Tepoztlán, Morelos, México. Facultad de Ciencias, UAEMéx. Junio 2004.
22. Leslie Ragde A. Sánchez Talavera. Dieta del murciélago magueyero mayor *Leptonycteris nivalis* (Chiroptera: Phyllostomidae) en la Cueva del Diablo, Tepoztlán, Morelos. Facultad de Ciencias, UAEMéx. Junio 2004.
23. Elsa Georgina O’Farrill Cruz. Dieta y uso de habitat del borrego cimarrón (*Ovis canadensis mexicana*) y el venado bura (*Odocoileus hemionus sheldoni*) en la isla Tiburón, Sonora, México. Facultad de Ciencias, UNAM. Marzo de 2003.
24. Jorge Gabriel Alvarez Romero. Los mamíferos introducidos de México: diversidad, distribución y potencial de impacto y de control. Facultad de Ciencias, UNAM. Marzo 2003.
25. Edmundo Huerta Patricio. Dispersión de semillas por murciélagos y aves en la regeneración de habitats perturbados en un bosque tropical. Facultad de Ciencias, UNAM, Enero 2003.
26. Adán Oliveras de Ita . Dinámica Poblacional e Historia Natural del gorrión serrano (*Xenospiza baileyi*). Facultad de Ciencias, UNAM. Enero de 2002.
27. Heliot Zarza Villanueva. Estructura de la comunidad de pequeños mamíferos en diversos hábitats en la Selva Lacandona, Chiapas, México. FES Iztacala, UNAM. Noviembre de 2001. Mención Honorífica.
28. Juan Guillermo Téllez Zenteno. Migración de los murciélagos hocicudos (*Leptonycteris*) en el trópico mexicano. Facultad de Ciencias, UNAM. Julio de 2001.
29. Rafael Avila Flores. Patrones de uso de cuevas en murciélagos del centro de México. ENEP Iztacala, UNAM. Febrero de 2000. Mención Honorífica. Tesis ganadora del primer premio a la excelencia, Asociación Mexicana de Mastozoología, 2000.
30. Dalia Amor Conde Ovando. Filogenia y estructura genética del berrendo (*Antilocapra americana*) e implicaciones para su conservación. Facultad de Ciencias, UNAM. Septiembre de 2000.
31. María Concepción López Téllez. Composición, diversidad y estructura de una comunidad de murciélagos de la selva Lacandona, Chiapas, México. Escuela de Biología, Benemérita Universidad Autónoma de Puebla. 1998.
32. Luis Bernardo Vázquez Hernández. Dieta y demografía de una comunidad de pequeños roedores

- en dos hábitats contrastantes. Universidad de Guadalajara. Julio 1997. Tesis ganadora del primer premio a la excelencia, Asociación Mexicana de Mastozoología, 1998.
33. César A. Loza Salas. Patrones de abundancia, uso de hábitat y alimentación de la guacamaya verde (*Ara militaris*), en la presa Cajón de Peña, Jalisco, México. Facultad de Ciencias, UNAM. 1997.
  34. Osiris Gaona Pineda. Dispersión de semillas y hábitos alimenticios de murciélagos frugívoros en la Selva Lacandona, Chiapas. Facultad de Ciencias, UNAM, 1997.
  35. Miguel Angel Amín O. Ecología de comunidades de murciélagos en bosque tropical y hábitats modificados en la Selva Lacandona, Chiapas. Facultad de Ciencias, UNAM, 1996.
  36. Apamar Clemente Mendoza. Hábitos alimenticios de dos especies de didélfidos (*Didelphis marsupialis* y *Philander opossum*) en dos hábitats diferentes de la Reserva de la Biosfera Montes Azules, Selva Lacandona, Chiapas, México. Escuela de Biología, Instituto de Ciencias y Artes de Chiapas. 1994.

#### Master's level (17 theses)

1. Azoulay, Lindsay. 2018. Vocal Plasticity in Urban Bats. Porter School of Environmental Studies, Tel Aviv University, Israel. Exam: February 25, 2018
- Rubio Rocha, Yamel Guadalupe. 2015. Preferencia de hábitat de la guacamaya verde (*Ara militaris* linné) en el Municipio de Cosalá, Sinaloa. Facultad de Ciencias, UNAM. 15 de junio de 2015
2. Rubio Rocha, Yamel Guadalupe. 2015. Preferencia de hábitat de la guacamaya verde (*Ara militaris* linné) en el Municipio de Cosalá, Sinaloa. Facultad de Ciencias, UNAM. 15 de junio de 2015
3. Viquez Rodriguez, Luis Roberto. 2015. Prevalencia de leishmania mexicana y Trypanosoma Cruzi en los murciélagos Carollia Sowellii y Sturnira Lilium bajo dos condiciones distintas de perturbación antropogénica en la Selva Lacandona, Chiapas. Facultad de Ciencias, UNAM. 26 de marzo de 2015
4. Moulin, Elodie. 2015. Recommendations for the Establishment and Operation of Holding Facilities for Confiscated Live Animals in France. XII Master en Gestión, Acceso y Conservación de Especies en Comercio: El marco internacional. Universidad Internacional de Andalucía, Sede Antonio Machado, Sede Baeza, Andalucía, España. April 26, 2015
5. Morrison, Rosalyn. 2015. The Plight of Pangolins: an Investigation into the Illegal Trade in Southeast and East Asia. XII Master en Gestión, Acceso y Conservación de Especies en Comercio: El marco internacional. Universidad Internacional de Andalucía, Sede Antonio Machado, Sede Baeza, Andalucía, España. August 22, 2015.
6. Ureña Ramon, Aseneth. 2015. Dispersión y depredación de semillas de spondias mombin l (anacardiaceae) por animales terrestres en la Selva Lacandona, Chiapas, México. Facultad de Ciencias, UNAM, 18 de agosto de 2015
7. Hernández Mijangos, Luis Arturo. Diversidad y ecología del refugio de murciélagos asociados a sabal mexicana (arecaceae) en un área fragmentada de la Costa de Chiapas, México . Facultad de Ciencias, UNAM, 20 de agosto de 2013.
8. Maradiaga Marin, Maria Fernanda. 2012. Análisis comparativo de los informes anuales y los registros de verificación de las exportaciones de especies CITES en México (2009-2010). X Master en Gestión, Acceso y Conservación de Especies en Comercio: El marco internacional. Universidad Internacional de Andalucía, Sede Antonio Machado, Sede Baeza, Andalucía, España.
9. Bárcenas Rodríguez, Horacio Valdemar. 2010. Abundancia y dieta del lince (*Lynx rufus*) en seis

- localidades de México. Facultad de Ciencias, UNAM, 25 de octubre de 2010.
10. Cerón Martínez, Gerardo. Dispersión y depredación de semillas de la palma *Attalea butyraceae* en un bosque tropical húmedo :efectos de la defaunación. Facultad de Ciencias, UNAM, Noviembre 9, 2009.
  11. J Antonio de la Torre de Lara. Estimación poblacional del jaguar (*Panthera onca*) y abundancia relativa de sus presas en la Reserva de la Biosfera Montes Azules, Chiapas, México. Mayo 25, 2009.
  12. Leonardo J. López Damián. Dieta de *Tadarida brasiliensis mexicana* en el noreste y sur de México en el contexto de la fenología del maíz (*Zea mays*). 4 de septiembre de 2009.
  13. L. Ragde Sánchez Talavera. Community. dynamics of bats at La Selva Biological Station, Costa Rica: 1973 and 2005. Tesis ganadora del Premio Bernardo Villa 2006 otorgado por la North American Society for Bat Research, por “Outstanding Research by a Latin American Student”. Posgrado en Ciencias Biológicas, Facultad de Ciencias, UNAM. Examen: 18 de marzo de 2009.
  14. Ada A. Ruiz C. Análisis y prioridades para la conservación de las cuevas mexicanas. Facultad de Ciencias, UNAM. Examen: 26 de abril de 2006Ada A. Ruiz C. Análisis y prioridades para la conservación de las cuevas mexicanas. Facultad de Ciencias, UNAM. Examen: 26 de abril de 2006
  15. Edmundo Huerta Patricio. Restauración de Potreros con distinta historia de uso en el Ejido de Chajul, Selva Lacandona, Chiapas. Posgrado en Ciencias Biológicas - Restauración Ecológica. Examen:15 de noviembre de 2006.
  16. José Luis Mena. Diversidad y distribución de mamíferos pequeños no voladores en un gradiente altitudinal en la vertiente del pacífico de la reserva de la biosfera El Triunfo, Chiapas. Facultad de Ciencias, UNAM. Agosto 2004
  17. Ivonne Cassaigne Guasco. Modelación del efecto de las epizootias en dos poblaciones de cimarrones (*Ovis canadensis*) en México y el papel de los híbridos con muflón (*O. musimon*) en la conservación del borrego cimarrón. Facultad de Medicina Veterinaria, UNAM. 2004

#### Doctorate level (5)

1. Cassaigne Guasco, Ivonne. Efecto del suplemento de presas sobre la dieta de pumas y jaguares en desierto de matorral xerófilo. Programa de Doctorado en Ciencias de la Producción y de la Salud Animal, Facultad de Medicina Veterinaria y Zootecnia, UNAM. Examen: 22 de agosto de 2016
2. María Clara Arteaga Uribe. Filogeografía y Evolución del Armadillo (*Dasypus novemcinctus*) en México. Posgrado en Ciencias Biológicas, Facultad de Ciencias, UNAM. Examen: 15 de mayo de 2011
3. Bernal Rodríguez Herrera. Sistema de apareamiento del murciélago blanco *Ectophylla alba* en Costa Rica. Tesis ganadora del Premio Bernardo Villa 2007 otorgado por la North American Society for Bat Research, por “Outstanding Research by a Latin American Student”. Posgrado en Ciencias Biológicas, Facultad de Ciencias, UNAM. Examen: 18 de marzo de 2009
4. Jorge Albino Vargas. Relación de la complejidad y diversidad del hábitat con la diversidad de murciélagos en Campeche. Facultad de Ciencias, UNAM. septiembre de 2008

5. Héctor Gómez de Silva. Reglas de ensamble generales en las comunidades de aves. Facultad de Ciencias, UNAM. Marzo de 2001.

8.3. Examiner at final defenses of 55 students at the undergraduate, master's and doctoral levels. Member of other 11 undergraduate and graduate committees.

## **11. Languages**

English (translates, speaks, writes)

## **12. Organization of scientific events**

Co-President of the Organizing Committee: El Jaguar en el Siglo XXI: La Prespectiva Continental, Mérida, Yucatán, December 7<sup>th</sup>, 2009.

PRESIDENTE DEL COMITÉ ORGANIZADOR DEL 14TH International Bat Research Conference y el 37th North American Symposium on Bat Research, en Mérida, Yucatán, del 19 al 23 de Agosto de 2007. Participaron casi 400 personas de 33 países. El congreso ha sido aclamado como la mejor conferencia sobre murciélagos a la que han asistido muchos de los participantes.

Organizer, Symposium El Jaguar Mexicano en el Siglo XXI, with the support of the Alliance TELCEL-WWF, SEMARNAT, HOJANAY and BIOCONCIENCIA. 11-14 October, 2005, Cuernavaca, Morelos

Organizer, workshop Jaguars in the New Millennium (in collaboration with Wildlife Conservation Society), 1-5 March, 1999, Cocoyoc, Morelos.

President of the Organizing Committee, 7th International Theriological Congress, Acapulco, Mexico, September 1997.

Organizer, Third meeting for the implementation of the Binational Program for the conservation of Migratory Bats. Centro de Ecología, UNAM. February 6 and 7 1995.

Co-organizer, 24th Annual North American Symposium on Bat Research, Ixtapa, Guerrero, october 1995.

Organizar, Meeting for the implementation of the Binational Program for the conservation of Migratory Bats. Centro de Ecología, UNAM. October 24, 1994, Centro de Ecología, UNAM.

Organizer of the first meeting for the implementation of the Binational Program for the conservation of Migratory Bats. Centro de Ecología, UNAM. September 6 and 7 1990.

Member of the Organizing Committee, Simposio Internacional sobre Mastozoología  
Latinoamericana, Cancún, Quintana Roo, junio 28 al 30, 1987.

## **JUSTIFICATION STATEMENT**

To: Thirteenth Meeting of the Conference of the Parties to the Convention on Conservation of Migratory Species of Wild Animals

Considering the Notification 2019/22, which aims to seek nominations from Parties for the new COP-Appointed Councilor Subject Areas, we are proud to indicate the candidature of Dr Tatiani Chapla for the theme of invasive species.

Dr Tatiani Chapla has a doctoral degree in environmental science from the State University of Maringa, Brazil. She developed ecological research on the impacts and management of invasive plant species. Since 2012, she holds a permanent position as an Environmental Analyst in the Ministry of the Environment of Brazil, acting as the technical focal point for invasive species. She has played a central role in the revision and implementation of the National Strategy on Invasive Species. She has also provided valuable advice and technical guidance for definition and implementation of management activities for diseases, weeds, feral animals, marine and freshwater pests. She has been leading the development of the national early detection and rapid response system for invasive species with the aim to prevent further impacts on biodiversity. Regarding international agreements, we would highlight her support for the Convention on Biological Diversity related activities, including her attendance in the Expert Workshop on Invasive Alien Species in Preparation for the 22nd Meeting of the Subsidiary Body on Scientific, Technical and Technological Advice, as well her active participation in the online discussion forum convened to subsidize the Ad Hoc Technical Expert Group on Invasive Alien Species accordingly to COP Decision 14/11. Furthermore, Dr Tatiani Chapla was awarded by the Australian government with a fellowship under the Endeavour Leadership Program. She spent six months in Australia presenting Brazilian initiatives on invasive species and learning about Australian biosecurity and biodiversity conservation policies and initiatives. Finally, we would like to state that Dr Tatiani Chapla delivers an outstanding performance in her duties, demonstrating technical excellence and high commitment.

In the view of the above details, we would be grateful if you could consider the nomination of Dr Tatiani Chapla. We are sure she would greatly contribute to the CMS bodies in order to support invasive alien species management and ensure the conservation of migratory species.



## DECLARATION

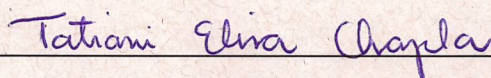
To: Thirteenth Meeting of the Conference of the Parties to the Convention on Conservation of Migratory Species of Wild Animals

Considering the Notification 2019/22, which aims to seek nominations from Parties for the new COP-Appointed Councilor Subject Areas, and the proposed nomination by the Brazilian government for the theme of invasive species, I would like to state my interest and availability to accept the appointment, if selected.

I have been working with invasive species management for around 10 years, including a background in ecological research and as a policy officer at the Ministry of the Environment of Brazil. I would be most honoured to represent the field under the CMS - Convention on Conservation of Migratory Species of Wild Animals. Invasive species are an urgent matter to migratory species and I am very keen to contribute to the CMS bodies on the prevention and mitigation of the impacts caused by invasive species and the conservation of migratory species.

Finally, I would like to express readiness to take part in the COP-Appointed Councilor Subject Areas, if selected for the theme of invasive species.

Brasilia, 13 February 2020



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Tatiani Elisa Chapla



# Curriculum Vitae for Tatiani Chapla

## PERSONAL INFORMATION

**Full name:** Tatiani Elisa Chapla

**Citizenship:** Brazilian

**Date of Birth:** 26/April/1984

**Gender:** Female

**Institutional address:** Esplanada dos Ministérios, Bloco B, Sala 808, Brasília-DF, Brazil, CEP: 70.068-900

**Telephone:** +55 6120282545

**Email:** tatiani.chapla@mma.gov.br; tatianichapla@gmail.com

## ACADEMIC QUALIFICATIONS

Doctor of Science in Ecology of Inland Water Ecosystems (2010-2014)

State University of Maringa, State of Parana, Brazil

Thesis title: Biological invasion and management of invasive guava (*Psidium guajava* L.) in the initial succession at abandoned pastures in the Upper Parana River Floodplain. Scholarship from the Coordination for the Improvement of Higher Education Personnel, Brazil

Master of Science in Ecology of Inland Water Ecosystems (2007-2009)

State University of Maringa, State of Parana, Brazil

Thesis title: Recruitment of soil seed bank components at abandoned pastures in the Upper Paraná River Floodplain, Brazil (passed with Honours)

Scholarship from the National Council for Scientific and Technological Development, Brazil

Bachelor of Education and Bachelor of Science in Biological Sciences (2002-2007)

State University of West Paraná, State of Paraná, Brazil

## ADDITIONAL QUALIFICATION

Professional Development Program on Invasive Alien Species Management (08/2018 – 12/2018)

Endeavour Executive Fellowship, Endeavour Leadership Program, Department of Education and Training, Australian Government

Host organisations: CSIRO - Commonwealth Scientific and Industrial Research Organisation, CISS – Centre for Invasive Species Solutions; and NSW DPI – New South Wales Department of Primary Industries



## **CURRENT EMPLOYMENT**

**Employer:** Ministry of the Environment of Brazil

**Permanent Official Position:** Environmental Analyst

**Date:** since January 2012

**Branch:** Secretariat of Biodiversity, Department of Species Conservation and Management

**Field of responsibility:** development of public policies, regulation, strategies, programs and projects for biodiversity conservation, focused on invasive alien species management.

### **Main activities and functions:**

- Coordination of the preparation and implementation of regulations, national strategies, plans and projects on invasive alien species management involving discussions and negotiation with stakeholders as industry, academia, and community;
- Developing strategies to implement, support for preparation of national reports and defining positions, answering notifications and attending technical meetings on international agreements and initiatives, including the Convention on Biological Diversity, the Sustainable Development Goals (Agenda 2030), the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services, the Convention on the Conservation of Migratory Species of Wild Animals, the Ramsar Convention on Wetlands of International Importance, and the Convention on International Trade in Endangered Species of Wild Fauna and Flora;
- Fundraising activities focused on international cooperation project preparation, application, management, and implementation, especially projects funded by the Global Environment Facility;
- Chair of the Technical Advisory Group for the National Strategy on Invasive Alien Species and delegated to workgroups and committees, including the Technical Committee on Invasive Alien Species under the National Commission on Biodiversity, the Permanent National Committee of Wild Boar Management and the Technical Advisory Group for the National Wild Boar Control Plan, the National Committee of Botanic Gardens and the Manager Committee of the Brazilian Museums System;
- Responsible for technical subsidies to decision making and negotiation processes, including writing technical opinions about documents and normative proposals, as laws and decrees related to or with implication for invasive alien species management and biodiversity conservation;
- Identification of opportunities and engagement for collaboration with domestic and international partners;
- Acting as a liaison officer between the Ministry of the Environment and subordinate agencies to coordinate planning and implementation of policies and actions;
- Responsible for conception and writing terms of reference, selection, and coordination of technical consultants;
- Planning and coordination of events as meetings, workshops, seminars and training courses, including group facilitation.

**Relevant work and accomplishments:**

- Review of the National Strategy on Invasive Alien Species and preparation of the Implementation Plan (2017-2018, leader of the activity);
- Approval of the proposal for training course “Course on rapid identification of invasive alien species for government regulators” under the Global Taxonomy Initiative with financial support from the Government of Japan through the Japan Biodiversity Fund (2017; co-applicant and event coordinator);
- Coordination of preparation of Invasive Species National Control Plans (2016-2018; leader for Feral Pigs and Golden Mussel, team member for Sun Coral);
- Approval of the National Strategy for the Conservation of Threatened Species Project (PROSPECIES) by the Global Environment Facility (2015-2016; leader for the invasive alien species component and team member for the whole project);
- Establishment of an agenda for invasive alien species at the Ministry of the Environment of Brazil (2012-2015; leader of the activity);
- Approval of the Brazilian red list update by the Minister of the Environment (2014; team member).

**Positions held**

Deputy General Coordinator of Species Conservation (May 2017 to July 2018)

Deputy Coordinator of Species Conservation (March to May 2017)

Deputy Manager of Species Conservation (February to March 2017)

**Field of responsibility:** development of public policies, regulation, strategies, programs and projects for biodiversity conservation, focused on threatened species conservation and invasive alien species management.

**Main activities:** team coordination, delegation of tasks, management of stakeholders, and report to a board of directors.

**PROFESSIONAL MEMBERSHIPS**

Ministry of the Environment of Brazil Employees Association (since 2013)

Regional Council of Biology, 7th region (since 2008)

**RELEVANT PUBLICATIONS**

Pombo, V.B.; Coradin, L.; Silva, A.J.R.; Chapla T.E. Políticas públicas e a gestão de espécies exóticas invasoras em águas continentais brasileiras. In: Latini, A.O.; Resende, D.C.; Pombo, V.B.; Coradin, L. (Org.). Espécies exóticas invasoras de águas continentais no Brasil. Brasília-DF: Ministério do Meio Ambiente, 2016, p. 745-769.

Chapla, T.E.; Campos, J.B. Soil seed bank during succession at an abandoned pasture in the upper Paraná river-floodplain, Brazil. Acta Scientiarum. Biological Sciences, v. 33, p. 59-69, 2011.

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## **LANGUAGES**

Portuguese: native language

English: fluent (listening, speaking, reading, writing)

Spanish: fluent (listening, reading); intermediate (speaking, writing)

## **HOBBIES**

Growing plants, bushwalking, and reading.

## **REFEREES**

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