

## RCREEE COP27 AGENDA

### ACTIVE TURBINE MANAGEMENT PROGRAM: WHEN BIRDS AND WIND CROSS PATHS

Biodiversity Day

16<sup>th</sup> November 2022

**13:00 to 14:30**

#### Description:

Egypt is one of the main crossroads for soaring birds migrating from breeding grounds in Europe and Asia to wintering areas in Africa, of particular concern, the Gulf of Suez lays on the heart of the migration flyway for soaring birds, where majority of flyway populations cross the area during spring and autumn migrations.

In this regard, RCREEE launched the first of its kind strategic and operational program evaluating environmental impacts and monitoring soaring birds' migration in Egypt entitled 'Active Turbine Management Program' (ATMP). The ATMP is a global flagship effort taking place in the Gulf of Suez region in Egypt, which is undertaken through a joint protocol between the Regional Centre of Renewable Energy and Energy Efficiency (RCREEE), the Egyptian Environmental Affairs Agency (EEAA), the Egyptian Electrical Transmission Company (EETC) and New and Renewable Energy Authority (NREA).

The ATMP trusts that in order to adequately address cumulative effects on biodiversity from wind power projects for more than 3,000 MW wind projects, a coordinated approach at the national level represents good practice. Therefore, to ensure that the expansion of the wind energy sector does not compromise priority biodiversity values, practitioners, regulators and lenders will need to regularize the management of biodiversity risk through the following measures: a Collective Bird Monitoring Program (BMP), a Predictive Fixed Shutdown Program (PFS-Program) and Shutdown on Demand Program (SOD-Program), and a Fatality Monitoring Program (FMP).

**Responsible RCREEE team member:** Ali Khazma, RCREEE

#### Panelists:

Eman Rashad, Sector Head for Private Power Projects, EETC  
Ehab Ismail, Vice Chairman for Technical Affairs, NREA  
Ayman Hamada, Head of Biodiversity Central Administration, EEAA  
Osama El-Gebaly, Manager of Migratory Soaring Birds Project, EEAA  
Yasmine Deghedi, Principal Environmental Adviser, EBRD  
Iván Ramírez, Head Avian Unit, UN Convention on Migratory Species (CMS)  
Osama Al Nouri, Director of Migratory Soaring Birds Project, BirdLife International  
Ahmed Khalil, Head of Climate Change and Environment Unit - Senior Environmental Expert, RCREEE  
Ali Khazma, Sustainable Energy and Environment Expert - ATMP & ESAs Manager, RCREEE  
Rana Al-Kady, Renewable Energy and Environment Senior Specialist, RCREEE

**Format:** Opening remarks, oral presentations, and panel discussion

#### Run of Show:

- Wind Farms & Environment Interactions in Regional Practice
- Knowledge for policy on the effects of increasing large areas of wind turbines at bird migratory routes in MENA region

- Mitigation Actions taken by Public / Private Wind Farms in MENA Region
- Regional Wind-Birds Partnerships: Challenges and Opportunities in emerging markets
- Smart Technologies for migratory birds' conservation

#### Agenda

Time	Agenda	Panelist / Speaker
13:00 – 13:05 (5 minutes)	Welcome and Introduction	Rana Al-Kady
13:05 – 13:15 (10 minutes)	Oral Presentations	Ali Khazma
13:15 – 13:25 (10 minutes)		Osama El-Gebaly
13:25 – 13:35 (10 minutes)		Osama Al Nouri
13:35 – 13:45 (10 minutes)		Iván Ramírez
13:45 – 14:20 (35 minutes)	Panel Discussion	Eman Rashad
		Ehab Ismail
		Ayman Hamada
		Yasmine Deghedi
		Iván Ramírez
		Osama Al Nouri
		Ahmed Khalil (Moderator)
14:20 – 14:25	Q&A	All panelists + audience
14:25 – 14:30	Closing remarks	Rana Al-Kady



Questions to Panel (two questions/panelist for 6 minutes)



Question	Panelist
Investment Question – What are the areas in which we can provide support in the supply chain – not just in terms of financial investment – but also in terms of time and effort?	Eman Rashad & Ehab Ismail
In your opinion, what are the actions (or policy intervention frameworks) that can be applied to help reach zero fatality and increased/maximized wind potential?	Ayman Hamada
In terms of global and regional partnerships, what are the challenges among maintaining and following bird routes? What are the respective solutions to overcome such challenges?	Iván Ramírez, Osama Al Nouri & Yasmine Deghedi
What are the proactive actions in terms of construction for wind energy projects to achieve the necessary targets?	Eman Rashad & Ehab Ismail
In your opinion, what are the impact on wind energy share and the environment if such proactive actions are not achieved?	Ayman Hamada, Iván Ramírez, Osama Al Nouri & Yasmine Deghedi



## Speakers:

Speaker Name	Speaker Photo	Speaker Bio
Ahmed Khalil		<p>Dr.Ahmed Khalil holds a PhD in Environmental Engineering (2022). Khalil is certified in OSHA, a GHG Auditor, CEM, and Certified LEAP user. , he act as focal-point for technical and policy support, implementation &amp; monitoring of the environmental portfolio of programs and/or projects , he keeps RCREEE up-to-date with international agenda and initiatives regarding Environment &amp; Climate Change</p> <p>Before joining RCREEE, Dr. Khalil was Assistant Minister For Egyptian Ministry of Environment, after which, he was the project manager for NSWMP, a programme funded by EU and KFW, to meet the main outcomes of the preparation of national solid waste management strategy, 26 masterplans for different governorate and the national hazardous waste strategy in Egypt.</p> <p>Dr. Khalil is holding his master degree in Biophysics from Faculty of Science-Ain Shams University, and PhD in Environmental science, in addition he is a member of American association for energy engineers</p>
Ali Khazma		<p>Eng. Khazma is a Sustainable Energy and Environment Expert with over 14 years' professional experience in programs/projects management in the areas of renewable energy, energy efficiency, RE integration into grids, green energy finance, RE project contracts/agreements and environment and social assessments in the Middle East and North Africa. Throughout his career, Eng. Khazma's vast professional experience compasses: design and evaluate of electrical systems and stand-alone/utilities-interactive RE systems, integrating RE projects into grids including creating RE guidelines and grid connection codes, evaluation of PV's FIT/net-metering schemes, development of smart grid roadmap, thermal/electrical energy audit and integrating solar thermal applications into industrial heat processes, identifying the financial and technical potential of eligible EE investment, development of RE tendering documents, leading and managing key environmental and social assessments in RE sector in compliance with IFIs standards and requirements. Eng. Khazma has obtained Bachelor of Science in Electrical Engineering (Renewable Energy Branch) from Damascus</p>

		University and Master of Science in Electrical Power and Machines Engineering "study of power quality performance for grid connected wind turbines in Zaafarana Wind Farm in compliance with IEC 61400-21" from Cairo University.
Rana Al Kady		<p>Eng. Rana Al Kady is a PhD Candidate in Environmental Engineering at the American University in Cairo (AUC). She has also attained her MSc in Renewable Energy Engineering and BEng(Hons) in Architectural Engineering both from Heriot-Watt University, UK. She has extensive experience in the field of Renewable Energy and Energy Efficiency projects and programs in the African region as well as the MENA region. She has 8 years' experience in working on Renewable Energy, Energy Efficiency and Sustainable projects. Over the last 5 years, she has developed her planning logistics and business development skills. She currently works as Energy and Environmental Executive in the Business Development and Planning Department at RCREEE. Rana is fluent in Arabic and English with an intermediate level of skill in French.</p> <p>She is also familiar with Renewable Energy and Energy Efficiency projects and activities as she was involved within several projects such as the ATMP(Active Turbine Wind Management Program), Benban Solar Project, GGF Palestine Project for Retrofitting, etc. She is familiar with local and international environmental standards such as ISO 14001. Also, she has the ability to produce high-quality written outputs, excellent interpersonal skills and the ability to build strong partnerships with relevant project partners; this includes being able to work and collaborate with Governments in 17 member states of RCREEE, NGOs, UN Agencies, as well as other relevant consultancy firms in the climate change and energy industry.</p> <p>She has also carried out capacity building events and workshops in the energy and environmental sector to promote such operations in the region. She has also carried out workshops under the 'women in energy' theme. She has also developed her soft skills. This is inclusive of report writing, attending stakeholders' technical and financial meetings, consultation meetings and communication and coordination with the partners. Her experience has given me the necessary skills to write articles and reports, conduct meetings, present findings, propose solutions for technical and non-technical issues, etc.</p>

Eman Rashad		<p>Eman Rashad is responsible for many BOO projects as competitive bids between the international developers to build, own, operate the wind &amp; Solar projects. My task is participating in the preparing for bids documents, analysis of the submitted offers from the bidders and consultants and preparing the qualified short list. She has experience in working with international financing entities &amp; Consultants as well as completing the procedures till the negotiations with the selected bidder and make the final contract including all agreements.</p> <p>Also, the Benban Feed in Tariff Solar Projects in Aswan as a pioneer project in Egypt &amp; got with the team many prizes and recognition from international financiers. She started working in 1989 in the Egyptian Electricity Authority (EEA) as a Telecommunication Engineer and from 1995 till 2009 as a project Engineer &amp; from 2009 till now, with private sector projects, especially Renewable Energy.</p> <p>She attended many Technical &amp; Managerial courses in and outside Egypt.</p> <p>She is a member in many committees in national and international entities.</p> <p>She has also represented EETC &amp; MOERE in many National &amp; International Renewable Energy Conferences.</p>
Osama Al Nouri		<p>Osama Al Nouri joined BirdLife International in 2011.</p> <p>During the period 2011-2015, he was the project coordinator of the GEF-financed, UNDP-supported Migratory Birds Project (Tranche I) that operated in 11 countries in the Middle East &amp; Northeast Africa. Since 2018 to date, he is the Projects Manager of the Migratory Soaring Birds regional project with the objective of mainstreaming the conservation of migratory soaring birds through its migration routes along the Rift Valley/Red Sea Flyway into the five productive sectors of hunting, energy, agriculture, waste management and tourism.</p> <p>In 2015, he coordinated the three-year Bird Fair-funded "Hope for migratory birds in the Eastern Mediterranean: action against illegal killing" regional project.</p> <p>Since June 2017, he is the project manager of the MAVA-funded "Safe Flyways - reducing</p>

		<p>energy infrastructure related bird mortality in the Mediterranean project.</p> <p>Before joining BirdLife, he was the co-founder &amp; Secretary General of the Syrian Society for the Conservation of Wildlife (SSCW) BirdLife in Syria for the years 2003-2010.</p> <p>He is QLF Alumni that designed and initiated several initiatives as part of the QLF Middle East Program.</p> <p>He is an entrepreneur in travel &amp; tourism and hospitality education and with more than 25 years in the sector. He is a university lecturer in tourism marketing &amp; hospitality. He holds an Executive master's in business administration.</p>
Yasmine Deghed		<p>Yasmine is an Environmental and Social expert with over 12 years of international experience. She leads on the appraisal and management of the environmental and social risks across all industry sectors of the EBRD and coordinates the Bank's environmental and social efforts in the Southern and Eastern Mediterranean region.</p> <p>Yasmine is a chemical engineer specialised in environment and sustainable development with experience in the design, implementation, and management of different types of integrated social and environmental development programs, and in the provision of community based consultation services. Her experience and training have allowed her to take into account the social and ethical dimension to a scientific solution for a broad array of stakeholders, including the private sector, regulatory agencies, IFIs and CSOs.</p>
Iván Ramírez		<p>Biologist with a PhD in Ecology and more than 20 years of international experience in the areas of Ecosystem restoration, International Policy, MEAs and Management</p>

<p>Osama El-Gebaly</p>		<p>Dr. Osama El-Gebaly is Project Manager of Mainstreaming Conservation of Migratory Soaring Birds (MSB) Implemented by Egyptian Environmental Affairs Agency, United Nation Development Program (UNDP) and Bird Life International.</p> <p>A professional ecologist with 23 years experience in the, terrestrial, coastal and marine environment supported by a good knowledge of ecosystems and sustainable development disciplines, such as habitat research and rehabilitation, environmental impact assessment (EIA), the management plans of protected areas and environmental project management. As a manager of the MSB project, the main contribution was mainstreaming of conservation of migratory soaring birds in the energy, tourism, waste management sectors, particularly in the wind farm projects, treatment plants, and hotels along the Rif Valley/Red Sea flyway through integration of conservations actions into the sector's policies of energy, tourism and waste.</p>
<p>Ayman Hamada</p>		<p>Ayman Hamada has a proven career in the field of protected areas and biodiversity management. His career extends to 24 years of work experience in the Egyptian Environmental Affairs Agency (EEAA). He has a proven experience in wildlife monitoring, conservation and management as well as sustainable use of biodiversity components. Ayman is a key member of the leading conservationists that established the pioneering wildlife monitoring and conservation programs in the Egyptian Protected Areas Network. He has contributed significantly to the biodiversity monitoring and conservation in one of the most important Protected</p>



		<p>Areas of Egypt, Saint Katherine Protectorate.</p> <p>In the course of his career, Ayman has acquired an outstanding experience of working with the local communities. He is considered the pioneer conservationist to work on identifying appropriate systems for natural resources allocation and sustainable use in Egypt. Ayman has initiated and established the first Community-Based Natural Resource Management program (CBNRM) in Egypt.</p> <p>Currently, Ayman is occupying the position of <b>“Head of the Central Administration of Biodiversity”</b> at the Egyptian Environmental Affairs Agency. He is the <b>National Focal Point</b> for the <b>“Agreement on the Conservation of African-Eurasian Waterbirds (AEWA)”</b> and the <b>“Memorandum of Understanding on the Conservation of Migratory Sharks”</b>. He is also an alternate member of the <b>AEWA Standing Committee</b>. He played a crucial role to convince the AEWA Secretariat to award the Nature Conservation Sector <b>the 2018 AEWA Conservation Award</b>. He received the award during the 7<sup>th</sup> AEWA Meeting of Parties in 2018 and that was the first time that AEWA awards this international award for a non-European governmental body. Moreover, He is a member in a <b>number of technical expert groups, committees, and networks</b> under the framework of some of the Mediterranean organizations, initiatives and agreements such as the Union for Mediterranean, MedWet, and Waterbirds networks. Ayman is providing technical and scientific advice on biodiversity conservation for many governmental institutions such as the New and Renewable Energy Authority and the Ministry of Civil Aviation.</p>
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