

# Convention on the Conservation of Migratory Species of Wild Animals

## Second meeting of Signatories of the Memorandum of Understanding on the Conservation of the Southern South American Migratory Grasslands Birds and its Habitats

(24 – 25 July 2018, Florianopolis, Brazil)

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### **ACTION PLAN FOR THE CONSERVATION OF SOUTHERN SOUTH AMERICAN MIGRATORY GRASSLAND BIRD SPECIES AND THEIR HABITATS**

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### **1. General Objectives**

Improve the conservation status of southern South American migratory grassland bird species and their habitats, breeding, migration and non-breeding gathering grounds.

### **2. Specific Objectives**

- I. Promote the protection and management of grasslands important for migratory species.
- II. Develop and coordinate monitoring and research programmes of the species of the MoU and their habitats.
- III. Raising awareness on the importance of natural grasslands and threatened species.
- IV. Strengthen public policies for the preservation of natural grasslands.
- V. Strengthen the institutions involved in the MOU.
- VI. Strengthen international cooperation among the country states to the MoU.

**To be completed:**

Definition of protected areas:

Put a note that the order of priority does not clearly reflect the priority for each country.

**Abbreviations**

ONGs            Non-governmental Organizations.

**URUGUAY**

APyF	División Áreas Protegidas y Fauna
DGSA	Dirección General de Servicios Agrícolas
DNA	Dirección Nacional de Aduanas
DINAMA	Dirección Nacional de Medio Ambiente
DINOT	Dirección Nacional de Ordenamiento Territorial
DNV	Dirección Nacional de Vialidad
IIBCE	Instituto de Investigaciones Biológicas Clemente Estable
INASE	Instituto Nacional de Semillas
INIA	Instituto de Investigación Agropecuaria
MGAP	Ministerio de Ganadería, Agricultura y Pesca
MTOP	Ministerio de Transporte y Obras Públicas
MVOTMA	Ministerio de Vivienda, Ordenamiento Territorial y Medio Ambiente
RENARE	Dirección General de Recursos Naturales Renovables
PNN	Prefectura Nacional Naval
PPR	Proyecto Producción Responsable
SNAP	Sistema Nacional de Áreas Protegidas

3. 2010-2015 Actions

**Objective I: To promote the protection and management of grasslands of importance for migratory species**

Programme	Activity	Priority/Degree of Difficulty	Involved Institutions –Actors	Results Indicator	Period
1. Creation and strengthening of conservation figures in important species areas	1.1 To identify and propose potential areas for creation of PAs seeking regional representativeness and complementarity. The analysis of representativeness (GAP analysis) of existing protected areas and IBAs will be considered.	High / High	<b>Argentina:</b> APN, Gob. prov., SAYDS, NGOs. <b>Bolivia:</b> DGBAP, SERNAP, NGOs, Universities. <b>Brazil:</b> DIREP y DIBIO/ICMBIO, MMA Universities and NGOs. <b>Paraguay:</b> DGPCB/SEAM, Universities and NGOs. <b>Uruguay:</b> DINAMA (SNAP), RENARE (APyF), NGOs, Universities.	Number of, relative surface of representative and complementary areas identified, proposed, created and with management capacity.	5 years
	1.2 Giving incentives to creation of private PAs.	High / High	<b>Argentina:</b> Prov Gov., SAYDS, NGOs. <b>Brasil:</b> DIREP and DIBIO/ICMBIO, Owners in critical areas of Campos Sulinos de Rio Grande do Sul. <b>Bolivia:</b> DGBAP, SERNAP. Municipalities and governments. <b>Paraguay:</b> SEAM, partners, NGO. <b>Uruguay:</b> MVOTMA (SNAP).	Number of PAs established or acknowledged.	5 years
	1.3 To include a component of grassland bird conservation in the management plans for PAs.	High /Low	<b>Argentina:</b> APN, Prov Gov., SAYDS, NGOs. <b>Bolivia:</b> DGBAP, SERNAP. <b>Brazil:</b> DIREP and DIBIO/ICMBIO. <b>Paraguay:</b> DASP/DGPCB/SEAM <b>Uruguay:</b> DINAMA (SNAP), RENARE (APyF).	Number of management plans or other planning tools, including the conservation of grassland birds.	5 years
2. Habitats management in non-protected areas	2.1 To promote, develop and/or strengthen financial and/or market incentives, economic alternatives for farmers who manage grasslands in a manner consistent with the ecological requirements of species, especially in critical areas for threatened species.	High/ High	<b>Argentina:</b> INTA, SAGyP, SAYDS, APN, Prov Gov., NGOs.	Number of, and relative surface of critical areas identified. Incentives identified. Number of incentive projects implemented. Certification schemes for biodiversity friendly products developed.	1 year
			<b>Bolivia</b> DGBAP, governorates and municipalities.		5 years
			<b>Brazil:</b> CEMAVE/ICMBIO, EMATER, EMBRAPA, Prefectures, NGOs and Universities. <b>Paraguay:</b> DGPCB, DVS, ARP, MAG, MIC. NGOs Universities. Municipalities and governments.		5 years

Programme	Activity	Priority/Degree of Difficulty	Involved Institutions –Actors	Results Indicator	Period
			<p><b>Uruguay:</b> DINAMA, MGAP (RENARE-PPR), municipalities, NGOs Universities.</p>		
	<p>2.2 Promote the conservation of native grasslands along land strips/shoulders on highways and local tracks.</p>	<p>Medium/ High</p>	<p><b>Argentina:</b> DNV, DVP, SAyDS, APN, Prov Gov., municipalities.  <b>Bolivia:</b> DGBAP, governorates and municipalities.  <b>Brazil:</b> CEMAVE/ICMBIO, DNIT, DETRAN, Prefectures.  <b>Paraguay:</b> SEAM, MOPC, municipalities, governments.  <b>Uruguay:</b> MVOTMA (DINOT), MGAP (RENARE), MTOP (DNV), town/city councils.</p>	<p>Km/surface of roads with land strips promoting the conservation of native grasslands.  Laws/regulations of land strips management of public domain.</p>	<p>5 years</p>
	<p>2.3 Give incentive to projects involving habitat management demonstration units in experimental fields, depending on the species habitat requirements</p>	<p>Medium/Medium</p>	<p><b>Argentina:</b> INTA, SAGyP, SAyDS, Prov Gov., NGOs. Municipalities.  <b>Bolivia:</b> DGBAP, governorates and municipalities, universities, NGOs.  <b>Brazil:</b> CEMAVE/ICMBIO, EMBRAPA, EMATER, Universities.  <b>Paraguay:</b> SEAM, partners, IPTA, Universities.  <b>Uruguay:</b> MVOTMA (DINAMA), MGAP (RENARE-PPR) INIA.</p>	<p>Number of projects involving habitat management illustrative units in experimental fields.</p>	<p>5 years</p>
	<p>2.4 Promote the use of native seeds and fodder plants in pastoral systems to promote the use of native pastures.</p>	<p>Medium/ High</p>	<p><b>Argentina:</b> INTA, SAGyP, SAyDS, Prov Gov., NGOs. Municipalities.  <b>Bolivia:</b> DGBAP, governorates and municipalities, universities, NGOs, SENASAG.  <b>Brazil:</b> CEMAVE and DIBIO/ICMBIO, EMBRAPA, EMATER, Universities.  <b>Paraguay:</b> SEAM/DVS, partners, SENAve, NGOs.  <b>Uruguay:</b> MGAP (RENARE-PPR-DGSA) INIA, Universities.</p>	<p>Number of farmers and communities adopting systems using native seeds. Number of hectares planted with native species.</p>	<p>5 years</p>

**Objective II. To develop and coordinate monitoring and research programs of the MOU species and their habitats.**

Programme	Activity	Priority/Degree of Difficulty	Actors - Institutions	Results Indicator	Time line
3. Basic Research	3.1 Analyze the species representativeness in the existing protected areas system (GAP Analysis) in the region.	High /Low	<b>Argentina:</b> Nat. Univ., CONICET, NGOs. <b>Bolivia:</b> DGBAP, universities, NGOs, SERNAP. <b>Brazil:</b> DIREP and DIBIO/ ICMBIO, MMA, Universities and NGOs. <b>Paraguay:</b> DGPCB/SEAM, Universities and NGOs. <b>Uruguay:</b> MGAP (RENARE), MVOTMA (SNAP), Universities and NGOs.	GAP analysis by country. GAP analysis for the grasslands region.	2 years 3 years
	3.2 To undertake niche modelling researches in key areas for species conservation	Medium/Medium	<b>Argentina:</b> Nat.Univ., CONICET, NGOs. <b>Bolivia:</b> universities, NGOs. <b>Brazil:</b> CEMAVE, Universities, NGOs, <b>Paraguay:</b> DGPCB/SEAM, partners Universities and NGOs. <b>Brazil:</b> DIBIO/DIREP/ICMBIO, partners Universities and NGOs. <b>Uruguay:</b> DINAMA (SNAP), RENARE (APyF), NGOs, Universities.	Number of modellings conducted.	5 years
	3.3 To improve migration routes and species habitat needs knowledge	High / High	<b>Argentina:</b> Nat.Univ., CONICET, NGOs. <b>Bolivia:</b> DGBAP, universities, NGOs. <b>Brazil:</b> CEMAVE/ICMBIO, Universities, NGOs. <b>Uruguay:</b> MGAP, Universities, NGOs. <b>Paraguay:</b> DVS, MNHNP, CDC, NGOs, Universities.	Number of reports/ publications on migration routes and habitat needs.	5 years
	3.4 To carry out comparative studies in grasslands under different types of management	High /Low	<b>Argentina:</b> INTA, Nat.Univ., CONICET, NGOs. <b>Bolivia:</b> universities, NGOs. <b>Brazil:</b> CEMAVE/ICMBIO, Universities, NGOs. <b>Uruguay:</b> MGAP, Universities, NGOs, <b>Paraguay:</b> DVS, MNHNP, CDC, NGOs, Universities.	Comparative studies by country produced.	5 years
	3.5 To progress in taxonomic clarification.	Medium/Medium	<b>Argentina:</b> Nat.Univ., CONICET Nat, H. Museum), NGOs. <b>Bolivia:</b> universities, NGOs. <b>Brazil:</b> CEMAVE/ICMBIO, Universities, NGOs.	Taxonomic relationships established, especially for <i>Sporophila</i> spp.	5 years

Programme	Activity	Priority/Degree of Difficulty	Actors - Institutions	Results Indicator	Time line
			<b>Paraguay:</b> DGPCB-CONACYT, Universities. <b>Uruguay:</b> MGAP, IIBCE Universities.	Amount of research conducted or in progress.	
	3.6 To promote demographic studies.	High /Medium	<b>Argentina:</b> Nat.Universities, CONICET, NGOs, SAYDS. <b>Bolivia:</b> universities, NGOs. <b>Brazil:</b> CEMAVE/ICMBIO, MAPA, MS, Universities, NGOs. <b>Paraguay:</b> DVS, SENACSA, MSPBS, NGOs, Universities. <b>Uruguay:</b> MGAP, Universities, NGOs.	Demographic studies completed or in progress. Data published.	5 years
4. Population and habitat monitoring	4.1 Developing and implementing an international ringing programme.	High /Medium	<b>Argentina:</b> Nat.Univ., CONICET, NGOs, SAYDS. <b>Brazil:</b> CEMAVE, RAAHO, Universities. <b>Bolivia:</b> universities, NGOs. <b>Paraguay:</b> SEAM, NGOs, Universities. <b>Uruguay:</b> MGAP, Universities, NGOs.	Programme developed and capacity conducted. Ringed birds per country.	5 years
	4.2 Promote a single monitoring protocol for each species or group of species.	High /Low	<b>Argentina:</b> Nat.Univ., CONICET, NGOs, SAYDS. <b>Bolivia:</b> universities, NGOs. <b>Brazil:</b> CEMAVE, Universities, NGOs. <b>Paraguay:</b> DVS, MNHNP, CDC, NGOs, Universities. <b>Uruguay:</b> MGAP, Universities, NGOs.	Protocol established Monitoring program established.	1 year 2 years
	4.3 To set a knowledge baseline on species abundance, distribution and conservation status. Move to 4	High /Low	<b>Argentina:</b> Nat.Univ., CONICET, NGOs. <b>Bolivia:</b> universities, NGOs. <b>Brazil:</b> CEMAVE/DIBIO/ICMBIO, Universities, NGOs. <b>Paraguay:</b> DVS, MNHNP, CDC, NGOs, Universities. <b>Uruguay:</b> MGAP, Universities, NGOs.	knowledge baseline set for each country.	2 years
	4.4 Promote/conduct epidemiological studies and on the impact of human activities on bird populations.	High /Medium	<b>Argentina:</b> Nat.Univ., CONICET, NGOs, SAYDS. <b>Brazil:</b> MAPA, IBAMA ICMBIO, partners, Universities, NGOs. <b>Bolivia:</b> universities , NGOs.	Studies conducted. Data published.	5 years

Programme	Activity	Priority/Degree of Difficulty	Actors - Institutions	Results Indicator	Time line
			<p><b>Paraguay:</b> SEAM, partners NGOs, Universities.</p> <p><b>Uruguay:</b> MGAP (DGSA), Universities, NGOs.</p>		
5. Information facilitation and systematization	5.1 Promote development of a single protocol for information systematization.	High /Medium	<p><b>Argentina:</b> Nat.Univ., CONICET, NGOs, SAsyDS.</p> <p><b>Bolivia:</b> DGBAP, universities, NGOs.</p> <p><b>Brazil:</b> CEMAVE (SNA), Universities.</p> <p><b>Paraguay:</b> SEAM, partners NGOs, Universities.</p> <p><b>Uruguay:</b> MGAP, Universities, NGOs.</p>	<p>Contacts with LAMNA (WBL ringing) / GROMS / GBIF, Aves Internacionales, BirdLife, RAAHO, AKN, etc.</p> <p>Protocol established.</p>	<p>1 year</p> <p>5 years</p>



**Objective III. To raise awareness on the importance of natural grasslands and endangered species.**

Programme	Activity	Priority/Degree of Difficulty	Actors - Institutions	Results Indicator	Timeline
6. Capacity building for farmers and wider society	6.1 Develop a manual of best practices aimed at farmers and wider society	Medium/Medium	<b>Argentina:</b> INTA, Univ. Nac., Gob. Prov., ONGs, SAyDS. <b>Bolivia:</b> DGBAP, universidades, ONGs. <b>Brasil:</b> EMBRAPA, EMATER. <b>Paraguay:</b> MAG (Extensión) FCA (Ecología Humana, DPA), SEAM (Educación), ONGs. <b>Uruguay:</b> MGAP (RENARE-PPR), INIA, Universidades.	Number of manuals produced and circulated.	2 years
	6.2 Conduct capacity building courses on best practices and conservation aimed at stakeholders (Municipalities, governments, educators, producers, rural associations etc.).	Medium/Medium	<b>Argentina:</b> INTA, Univ. Nac., Gob. Prov., ONGs, SAyDS. <b>Bolivia:</b> DGBAP, universidades, ONGs. <b>Brasil:</b> EMBRAPA, EMATER. <b>Paraguay:</b> MAG (Extensión) FCA (Ecología Humana, DPA), SEAM (Educación). <b>Uruguay:</b> MGAP (RENARE-PPR), INIA, Universidades.	Number of courses implemented. Outreach materials produced. Number of people trained.	3 years
7. Outreach, education	7.1 Development of a logo that identifies the MOU and its objectives.	High /Low	MoU members	Logo defined and produced.	1 year
	7.2 To develop educational campaigns to discourage species illegal trade.	High /Medium	<b>Argentina</b> <b>Brazil:</b> IBAMA, CEMAVE/DIBIO/ ICMBIO, Environmental Police. <b>Bolivia:</b> DGBAP, customs, municipalities, governorates, universities, NGOs <b>Paraguay:</b> SEAM (Education, DFAI, DVS), NGOs. <b>Uruguay:</b> MGAP (RENARE), NGOs.	Number of campaigns implemented.	5 years Activity continua
	7.3 To promote outreach and assessment campaigns on species and their environments.	High /Low	<b>Argentina</b> NGOs, SAyDS, Prov. Gov. <b>Brazil:</b> CEMAVE/ICMBIO, EMBRAPA, EMATER. <b>Bolivia</b> DGBAP, universities NGOs. <b>Paraguay:</b> MAG (Extension) FCA (Human Ecology, DPA), SEAM (Education), NGOs. <b>Uruguay:</b> MGAP (RENARE), NGOs.	Number of social groups made aware. Number of lectures and materials distributed in rural exhibitions and other events. Outreach materials produced.	2 years  2 years 1 year

Programme	Activity	Priority/Degree of Difficulty	Actors - Institutions	Results Indicator	Timeline
	7.4 Developing, producing outreach material on the species and their environments.	High /Low	<b>Argentina:</b> NGOs, SAYDS, Prov. Gov. <b>Brazil:</b> CEMAVE IBAMA, /ICMBIO, Environmental Police. <b>Bolivia:</b> DGBAP, universities, NGOs <b>Paraguay:</b> SEAM (Education, DFAI, DVS), NGOs. <b>Uruguay:</b> MGAP (RENARE), NGOs.	Outreach materials produced,	3 years
	7.5 To promote organization of symposia on grassland birds in national/international ornithology meetings, conservation meetings and agricultural sector meetings	High /Low	<b>Argentina:</b> Research institutes, Nat.Univ., NGOs. <b>Brazil:</b> CEMAVE/ICMBIO, EMBRAPA, EMATER, Universities, NGOs. <b>Bolivia</b> DGBAP, universities NGOs <b>Paraguay:</b> SEAM (Education), NGOs, Universities. <b>Uruguay:</b> MGAP (RENARE), Universities, NGOs.	Number of symposia conducted per country.	5 years
	7.6 Promote and circulate appropriate practices on prescribed fire management.	High /Medium	<b>Argentina</b> INTA, NGOs, SAYDS (CPNMF), Prov. Gov. SAGYP. <b>Bolivia</b> <b>Brazil:</b> CEMAVE/ICMBIO, IBAMA. <b>Paraguay:</b> DGPCB/SEAM, CONAM. <b>Uruguay:</b> MGAP, MVOTMA (DINAMA).	Number of implemented campaigns,	5 years

**Objective IV. To strengthen public policies for natural grasslands preservation**

Programme	Activity	Priority/ Degree of Difficulty	Actors - Institutions	Results Indicator	Timeline
8. Legislation	8.1 To draft the development of the legal framework for grasslands preservation in non-protected areas.	Medium/ High	<b>Argentina</b> SAGyP, SAyDS, Prov. Gov. <b>Brazil:</b> DIBIO, ICMBIO, CONAMA.MMA. <b>Bolivia:</b> DGBAP, Governorates and municipalities. <b>Paraguay:</b> DGPCB/SEAM, CONAM. <b>Uruguay:</b> MVOTMA (DINAMA), MGAP (RENARE).	Regulations promulgated / issued,	5 years
	8.2 Develop and implement grasslands planning tools	Medium/Medium	<b>Argentina</b> INTA, NGOs, SAyDS (CPNMF), Prov. Gov. SAGYP. <b>Bolivia:</b> DGBAP, Governorates and municipalities. <b>Brazil:</b> DIBIO, ICMBIO, SISNAMA. MMA. <b>Paraguay:</b> DGPCB/SEAM, CONAM. <b>Uruguay:</b> MGAP, MVOTMA (DINAMA-DINOT).	Territorial planning tools and action plans produced, implemented. Operational plans per year per country.	5 years  1 year
	8.3 Promoting and implementing regulations on the use of grasslands invasive alien species	High / High	<b>Argentina:</b> SAGYP, INTA, SAYDS, Province governments. <b>Bolivia:</b> DGBAP, SENASAG, Governments, Municipalities. <b>Brasil:</b> DIBIO/ICMBIO, IBAMA, MMA. <b>Paraguay:</b> DGPCB/SEAM, CONAM, SENAVE. <b>Uruguay:</b> MGAP (DGSA, INASE) INIA.	Number of regulations proposed and implemented.	3 to 5 years
9. Enforcement	9.1 Developing and implementing control programs to prevent illegal capture and trade.	High / High	<b>Argentina:</b> SAYDS, provincial governments, Federal Police, National Gendarmerie, National Prefecture, Provincial Police. <b>Bolivia:</b> DGBAP, governorates, municipalities, National Customs, National Police. <b>Brasil:</b> IBAMA, DIBIO and CGPRO/ICMBIO, Environmental Police. <b>Paraguay:</b> SEAM (DFAI), DVS, National Customs, Coast guard. <b>Uruguay:</b> RENARE, Policía Nacional, PNN, DNA.	Number of programs developed and implemented. Number of specimens confiscated.	3 years

Programme	Activity	Priority/ Degree of Difficulty	Actors - Institutions	Results Indicator	Timeline
	9.2 To regulate and enforce the use of highways and roads shoulders (verges, land strips) for agricultural activities within important species areas.	Low / High	<b>Argentina</b> DNV, DVP, Prov Gob. <b>Bolivia</b> DGBAP, SERNAP, Governorates and municipalities. <b>Brazil:</b> IBAMA, DNIT, DETRAN. <b>Paraguay:</b> SEAM (DFAI) MOPC. <b>Uruguay:</b> MVOTMA (DINOT), MTOP (DNV).	Km of land strips/shoulders of roads through priority areas enforced.	5 years Continuous activity
	9.3 Assessing species illegal trade volume and geographic scale.	High / High	<b>Argentina:</b> SAYDS, customs, provincial governments, Federal Police, National Gendarmerie, National Prefecture, Provincial Police. <b>Bolivia:</b> DGBAP, governorates, municipalities, National Customs, National Police. <b>Brazil:</b> IBAMA, CGPRO/ICMBIO, Environmental Police, Federal Police. <b>Uruguay:</b> RENARE, Policía Nacional, PNN, DNA. <b>Paraguay:</b> SEAM (DFAI), DVS, Customs, Coast guard.	Diagnostics developed and circulated.	2 years
	9.4 Environmental licenses enforcement and monitoring in areas of importance for the migratory species.	High / High	<b>Argentina:</b> SAYDS, provincial governments. <b>Bolivia:</b> DGMAA, governorates, municipalities. <b>Brazil:</b> IBAMA, CGPRO/ICMBIO, State Secretariats of Environment. <b>Uruguay:</b> RENARE, MVOTMA (DINAMA). <b>Paraguay:</b> SEAM (DFAI), DVS, DGCCA.	Number of licenses controlled in areas of importance for migratory birds.	Annual

**Objective V. To strengthen institutions involved in the MOU**

Programme	Activity	Priority/ Degree of Difficulty	Actors - Institutions	Results Indicator	Period
10. Institutional strengthening	10.1 Promoting and implementing projects funding and development to implement the action plan.	High / High	<b>Argentina:</b> SAYDS, provincial governments, Universities, NGOs, Nac. CONICET. <b>Bolivia:</b> VMA (DGBAP), Universities, NGOs. <b>Brazil:</b> DIBIO y CEMAVE/ICMBIO, (PROBIO), NGOs. <b>Paraguay:</b> SEAM, CONACYT, NGOs, Universities, MAG. <b>Uruguay:</b> MGAP (RENARE), Universities, NGOs.	Number of projects funded and developed.	5 years
11. Agreements/partnerships	11.1 Promote agreements and/or partnerships with universities and scientific and conservation institutions.	High/Medium	<b>Argentina:</b> <b>Bolivia:</b> DGBAP, universities, NGO. <b>Brazil:</b> DIBIO y CEMAVE/ICMBIO, Universities, NGOs. <b>Paraguay:</b> SEAM, ITAIPU, EBY, CONACYT, MAG, IPTA, Universities, NGOs. <b>Uruguay:</b> MGAP (RENARE), MVOTMA (DINAMA), Universities, NGOs.	Number of agreements, alliances established.	2 years
12. Capacity building	12.1 Capacity building on species identification aimed at regulatory agents	High /High	<b>Argentina:</b> SAYDS, prov, gov. NGOs, gendarmerie, national prefecture, municipalities, federal police, National Customs, prov. Police. <b>Bolivia:</b> DGBAP, SENASAC, governorates, municipalities, universities, Customs, national police. <b>Brazil:</b> DIBIO y CEMAVE/ICMBIO, federal and environment police, Universities, NGOs. <b>Paraguay:</b> SEAM (MNHNP), Universities, NGOs, customs, environmental police. <b>Uruguay:</b> MGAP (RENARE), Universities, NGOs. PNN, DNA, national police.	Number of capacity building courses conducted. Number of people trained.	2 years and then continuous

**Objective VI. To strengthen international cooperation among the countries party to the Memorandum of Understanding**

Programme	Activity	Priority/Degree of Difficulty	Actors - Institutions	Results Indicator	Timeline
13. International Cooperation	13.1 To generate an interactive system for information sharing and to systematize monitoring of migratory species.	Medium/High	<b>Argentina:</b> SAYDS (SYAN). <b>Bolivia:</b> DGBAP. <b>Brazil:</b> DIBIO and CEMAVE/ICMBIO. <b>CMS Secretariat</b> <b>Paraguay:</b> SEAM (MNHNP). <b>Uruguay:</b> MGAP (RENARE).	Interactive system in place. Discussion workshops implemented.	3 years 1 year
	13.2 To establish North-South cooperation agreements for the conservation of Nearctic species (WHMSI, NMBCA, WHSRN, CWS, USFWS).	Medium/Medium	<b>Argentina:</b> <b>Bolivia:</b> <b>Brazil:</b> DIBIO/ICMBIO, MMA, MRE, NGOs. <b>CMS Secretariat</b> <b>Paraguay:</b> SEAM (DPE), NGOs. <b>Uruguay:</b> MGAP (RENARE), NGOs.	Cooperation tools signed.	3 years
	13.3 Promote technical –scientific expertise exchange among Memorandum actors	High /Low	<b>Argentina:</b> SAYDS (DFS), Prov, gov, NGO. <b>Bolivia:</b> universities, DGBAP. <b>Brazil:</b> DIBIO and CEMAVE/ICMBIO, Universities, NGOs. <b>Paraguay:</b> SEAM, Universities, NGOs. <b>Uruguay:</b> MGAP (RENARE), Universities, NGOs.	Number of workshops, participation in capacity building courses, internships, field courses.	2 years and then annual
	13.4 Explore natural grasslands potential as sinks for carbon credit markets. Conduct basic research.	Medium/ High	<b>Argentina:</b> Nat.Univ., INTA, SAYDS (climate change), <b>Bolivia:</b> universities, DGBAP, NGOs, <b>Brazil:</b> DIBIO/ICMBIO, MMA Universities, NGOs. <b>Paraguay:</b> SEAM, partners: Universities, NGOs. <b>Uruguay:</b> MVOTMA (DINAMA), partners: Universities, NGOs.	Reports/diagnoses produced.	3 years
	13.5 To promote the creation of a PAs “regional network” to coordinate common activities/ management protocols.	Medium/High	<b>Argentina:</b> prov. gov. Municipalities, APN SAYDS (GTAP) NGOs. <b>Brazil:</b> DIREP/DIBIO/ ICMBIO, Universities, NGOs MMA. <b>Bolivia:</b> SERNAT, DGBAP. <b>Paraguay:</b> SEAM, Universities, NGOs. Municipalities, governorates. <b>Uruguay:</b> MGAP (RENARE), MVOTMA (DINAMA-SNAP), Universities, NGOs.	Regional contacts established. Regional network created.	3 and 5 years

Programme	Activity	Priority/Degree of Difficulty	Actors - Institutions	Results Indicator	Timeline
	13.6 To explore the possibility to link the MoU with related initiatives/conventions	Medium/Medium	<b>CMS Secretariat</b>	link established, IUCN and Birdlife grassland initiative, CBD, CMNUCC, CNULD, Ramsar, others.	3 years
	13.7 Achieve financial support to implement the MoU coordination meetings.	High /Medium	<b>Argentina:</b> SAyDS, NGOs. <b>Bolivia:</b> DGBAP <b>Brazil:</b> DIBIO/ICMBIO, MMA, PROBIO partners: Universities, NGOs. <b>Uruguay:</b> MGAP, partners: Universities, NGOs. <b>Paraguay:</b> SEAM, partners: Universities, NGOs.	meetings taking place periodically.	3 years