

Part III: Conservations Plans for Western, Central and Eastern Flyways

Conservation Plan for the Western Flyway

Objective I: Reduce mortality					
Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
1.1 Determine and monitor prevailing threats of all types to the Siberian Crane and its habitats	a) Assess and monitor threats in the Siberian Crane nesting and wintering grounds and along the migration routes	All Range States-WP	ICF, CMS	All Range States-WP: 1) Work with partners to raise importance of Poyang Lake for the Siberian Crane and other migratory waterbirds due to dam construction. 2) Continue monitoring of threats through surveys or questionnaire. KZ: Extend threats monitoring of wetlands to western Kazakhstan (Aktyubinsk and Atyrau Regions) (consider impacts of oil and gas industry). RU: 1) Continue monitoring of impact of oil and gas development in Kunovat River Basin on the Siberian Crane habitats. 2) Reduce illegal hunting pressure.	1
		KZ	Akzhaik Reservat		1
		RU	Oil and gas Companies MNRE		2
	b) Identify and document best practice protocol for conservation and management of the Siberian Crane to minimize threats to the Siberian Crane and its habitats	All Range States-WP		All Range States-WP: Continue to identify best protocols for conservation and management of the Siberian Crane, and try to generate new information.	1
		ICF	All Range States-WP	ICF: Finalize hunting strategy, consult with partners, and develop proposals to cover a range of activities over a long period. All Range States-WP: Improve physical control on poaching.	1
		All Range States-WP	IR		1
c) Determine hunting seasons and best practices in areas used by Siberian Crane	ICF	All Range States-WP	IR: Maintain Site Management Committees and encourage effective participation of local hunters in the Committees. KZ: 1) Discuss the question about experience of spring hunting and possibility of its complete prohibition in hunting association. 2) Work with hunting associations and other stakeholders (private hunting organisation) to expand practice of prohibiting of hunting at water bodies.	2	
	All Range States-WP	IR		1	
	KZ	Regional Hunting Associations, other stakeholders		1	
1.2. Strengthen and improve enforcement of legislation for crane protection	a) Review existing national and local legislation to address gaps or challenges to Siberian Crane conservation.	All Range States-WP	AOS	All Range States-WP: Improve legislation and strengthen implementation of existing laws. AZ: 1) Include the Siberian Crane in the Red Data Book of Azerbaijan 2) Increase penalty for the Siberian Crane shooting. IR: Include legislation issues in site management plans.	1
		AZ			1
		IR			DoE, Site Management Committees

Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
1.2. Strengthen and improve enforcement of legislation for crane protection	a) Review existing national and local legislation to address gaps or challenges to Siberian Crane conservation	KZ	FHC	KZ: Continue work on nomination of other important wetlands (Kushmurun, Sarykopa) for waterbirds in Ramsar List.	2
		RU	MNRE	RU: Improve legal status of Ramsar sites.	2
	b) Ensure effectiveness of law enforcement	IR	DoE	IR: 1) Implement the legislation part of the management plan developed under UNEP/GEF SCWP. 2) Complete construction of the guard station in FDK to enforce protection of the site.	1 1
		KZ	FHC, SNRs, Regional Hunting Associations & other stakeholders	KZ: Enhance protection under existing laws.	1

Objective II: Monitoring and research

Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
2.1. Monitor and study the Siberian Crane and its habitat	a) Conduct regular monitoring of known areas along the flyway to determine estimated numbers of the Siberian Crane	WI	All Range States-WP, AWC SCFC	WI: Promote use of the Asian Waterbird Census framework for monitoring of the Siberian Crane and other waterbirds and wetlands for the region.	2
		All Range States-WP			All Range States-WP: Continue to monitor Siberian Crane of known areas along the western flyway, if funds will be available.
		KZ	SNR, GSWG of East Europe and North Asia	KZ: 1) Continue monitoring of the lakes in Naurzum SNR and Zharsor-WR. 2) Conduct counts of cranes and other waterfowls on other lakes (Tyuntyugur-Zhanshura, Kushmurun, Shoptikol, Sankebai, Mamyrkol, Kulykol-Taldykol) along the western flyway in Kostanay Region, if funds will be available.	1 1
		RU			ARRINP, Sterkh Foundation
	b) Determine new migration stopovers, wintering areas, as well as summering areas of Siberian Cranes through satellite or radio tracking, questionnaires, surveys, and other methods, and investigate them	SCFC, ICF	All Range States-WP SCFC	SCFC, ICF: Immediately share received information among Range States through e-mail list and website.	1
		All Range States-WP			All Range States-WP: 1) Establish contact with colleagues from Iraq and Jordan on investigation of wintering grounds for possible wintering of the Siberian Crane through questionnaire (coordinated through WI and AWC program).

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2.1. Monitor and study the Siberian Crane and its habitat	b) Determine new migration stopovers, wintering areas, as well as summering areas of Siberian Cranes through satellite or radio tracking, questionnaires, surveys, and other methods, and investigate them	All Range States-WP	SCFC	All Range States-WP: 2) Inform people through TV about the Siberian Crane migration and where to send information about its sightings. 3) Continue to check all reported sightings of the Siberian Crane.	1 1
		AZ	AOS	AZ: 1) Collect information from local people in Gyzylagach SNR (main contacts Abbas Abbasov), Shirvan National Park, Samukh Wildlife Refuge etc. through Azerbaijan Ornithological Society (AOS) activities. 2) Respond immediately to future sightings using correspondence network and mobile telephone connection. 3) Investigate area of sighting of the Siberian Crane in winter 2009/2010 near Gyzyl-Aghach SNR by S. Rosenfeld. 4) Continue to monitor migration routes of cranes.	1 1 1 1
		AZ, IR	SCFC, AOS, DoE	AZ, IR: Investigate area on the border between Azerbaijan (Nakhchivan Region) and Iran, where Siberian Cranes were sighted in 2009 and exchange information about results.	2
		IR	SCFC, AOS, DoE	IR: 1) Show and distribute the Siberian Crane photos among local people. 2) Track the released Siberian Cranes if they will be marked with PTTs. 3) Contact all interested NGOs to encourage them to identify potential Siberian Crane areas. 4) Investigate any potential reports of sighting (including all sightings received from Azerbaijani colleagues).	1 1 1 1
		KZ	SCFC, Naurzum SNR, local branches of FHC	KZ: 1) Continue interview of hunters, fishermen, shepherds and questionnaire in key Kostanay Region, if financial resources will be available. 2) Respond immediately to future sightings: verification of reports is possible in cases when information is received on the sighting day and a visit to the place of sighting is feasible.	1 1
		RU	SCFC	RU: 1) Continue questionnaire and interview of local people in West Siberia at the Siberian Crane breeding grounds as well as migration stopover of the Eurasian Crane in Armizon District of Tyumen Region. 2) Establish monitoring network in Dagestan (G. Dzhamirzoyev), North Ossetia (Yu. Komarov), Kalmykia (V. Muzayev). 3) Continue to investigate all reports of the Siberian Crane sightings in West Siberia received through interviews with local people and questionnaire.	2 3 1
	c) Conduct ecological studies of the Siberian Crane in your country	All Range States-WP	IUCN	All Range States-WP: Note publication by Dr. Carey Krajewski proposing the Siberian Crane is listed in its own genus as (<i>Leucogeranus leucogeranus</i>). This emphasizes the taxonomic uniqueness and ancient lineage of the Siberian Crane. Work with IUCN Crane Specialist Group to confirm official change of genus.	3
		IR	DoE	IR: Conduct student ecological research.	2

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2.1. Monitor and study the Siberian Crane and its habitat	c) Conduct ecological studies of the Siberian Crane in your country	KZ		KZ: Continue data collecting about the Siberian Crane sightings, ecological conditions and how they change at stopover sites, and behavior of cranes. Planning of any special research of Siberian Cranes is not possible because their critically low number at present.	1
2.2. Maintain national database on the Siberian Crane and its habitats	Regularly contribute to and maintain the regional database, and extend it to cover all Range States	ICF, SCFC	All Range States-WP	ICF, SCFC: Maintain database and explore options to go on-line and link more effectively with databases under other initiatives.	1
		All Range States-WP	SCFC	All Range States-WP: Provide information on Siberian Crane sightings and all activities along Western Flyway to SCFC for inclusion in regional database.	1
		IR	ICF, SCFC, DoE	IR: Upload the database online so that any member, at anytime could post their own records.	2
		KZ	ICF, SCFC	KZ: Continue to provide information to regional database.	2
2.3. Promote or take into account avian influenza surveillance at important crane sites	Collaborate with, and complement activities of other agencies to strengthen sample collection for surveillance of avian influenza in migratory waterbirds at network sites and other important crane sites.	AZ	МЭРИПР, АОО	AZ: Continue regular monitoring.	3
		IR, KZ, RU	WI, FAO	IR, KZ, RU: Plan both passive and active surveillance in case of an outbreak.	2
2.4. Evaluate efficacy and application of research/monitoring	a) Review and evaluate research and monitoring activities for their efficacy	All Range States-WP	CMS, ICF	All Range States-WP: Provide national level review in reports. CMS and ICF will coordinate review of data on a regional level.	3
	b) Apply monitoring and research results to improve management practices and mitigation of threats to the Siberian Crane	All Range States-WP		All Range States-WP: Responses to hunting listed above. No other research activities identified at this time.	

Objective III: Increase numbers and genetic diversity					
Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
3.1. Promote recovery of the Siberian Crane populations	a) Produce eggs and chicks of Siberian for release programmes	RU, OCBC	SF	RU, OCBC, ICF, CBCC: Provide chicks or eggs produced during early stages of the breeding season to have Siberian Crane chicks with suitable age for Flight of Hope Project.	1
		CBCC	RU, OCBC	CBCC: Provide Siberian Crane eggs for Flight of Hope Project.	1
	b) Restore Siberian Crane populations through release programmes	RU, OCBC, ICF, CBCC KZ RU, OCBC	SF RU CBCC, Oil and Gas Company "Petroresurs»"	RU, OCBC, ICF, CBCC: Collaborate to develop release strategy for Flight of Hope Project.	1
				KZ: Sign agreement with Russia for implementation of Flight of Hope project.	2
RU, OCBC: 1) Increase the number of released captive-bred Siberian Cranes in migration stopovers in Astrakhan SNR and Belozerskiy WR, if funds will be available. 2) Strengthen important restoration efforts through Flight of Hope project and other release techniques to increase number of birds successfully released and to increase collaboration with other countries.				1	
	IR	RU	IR: Restore wintering population by resuming releases; collaborate with Russia on monitoring.	1	
c) Monitor Siberian Cranes released into the wild	All Range States-WP	SCFC	All Range States-WP: Participate in tracking of migration of released captive-bred Siberian Cranes supplied with satellite transmitters.	1	
d) Conduct genetic studies to manage the genetic diversity of wild and captive populations	RU	OCBC, Institute of Genetic of RAS, Moscow Zoo	RU: Continue genetic studies in cooperation with Institute of Genetic RAS and Moscow Zoo.	3	
3.2. Develop safe migration routes for Siberian Cranes based on those used by Eurasian Cranes	a) Identify and survey relatively safe habitats of the Eurasian Crane population - one that frequents ecologically suitable areas on the breeding grounds, along the migration route and on the wintering grounds - into which Siberian cranes could be (re)introduced	AZ, IR	SCFC	AZ, IR: Continue to monitor Eurasian Crane migration.	2
		KZ	Naurzum SNR	KZ: 1) Survey north and west parts of Kostanay Region to find possible migration stopovers of the Eurasian Crane. 2) Continue monitoring of the Eurasian Crane migratory concentrations on Zharsor Lake, if necessary resources will be found.	2 2

Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
3.2. Develop safe migration routes for Siberian Cranes based on those used by Eurasian Cranes	b) Determine migration routes and wintering sites of various populations of the Eurasian Crane within the current and former range of the Siberian Crane populations through satellite or radio tracking, questionnaires, surveys, and other methods	KZ	Naurzum SNR	KZ: Continue work on the questionnaire for inspectors and hunters as soon as funds for printing of questionnaires become available.	2
		RU	OSNBR	RU: Continue monitoring of the Eurasian Crane population on nesting grounds and staging areas in West Siberia along migration route used by the Siberian Crane, including PTT marking of Siberian Cranes.	2
	c) Develop optimal migration routes for Siberian Cranes using migration routes of Eurasian Cranes.	KZ, RU	CBCC, OCBC, Oil and Gas company ITERA	KZ, RU: Realize practical field stage of Flight of Hope Project on reintroduction of Siberian Cranes using ultralight technique.	1

Objective IV: Protect and manage habitats of importance for the Siberian Crane

Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
4.1. Protect and manage habitats of importance for the Siberian Crane	a) Improve institutional and the physical protection of the Siberian Crane sites	AZ	MENR	AZ: Establish National Park on the base of Gyzylagach State Nature Reserve through expanding territory of the nature reserve.	1
		IR	DoE	IR: Review and update Ramsar information sheets for FDK and Bujagh, upgrade protection status of the protected areas.	1
		KZ	FHC	KZ: Prepare suggestions on additional measures for site protection within the framework of IBA.	2
		RU	MNRE	RU: Improve protection of federal wildlife refuges which are habitats for the Siberian Crane.	1
	b) Secure protection through collaboration with local communities and/or legal measures for inadequately protected or newly identified areas of importance for the Siberian Crane	Азербай-джан Иран	AOS, local NGO DoE, Site Management Committees	AZ: Involve local communities in wetland protection by PAs and NGOs staff.	1
				IR: 1) Continue to maintain Site Management Committees established under SCWP	1
				2) Support Trappers Associations and their trust funds. 3) Focus on follow up to UNEP/GEF SCWP results.	1 1
	c) Develop management plans for Siberian Crane sites	IR	DoE, Site Management Committees, Mazandaran Governor	IR: 1) Finalize and sign FDK Management Plan prepared under UNEP/GEF SCWP. 2) Implement the prepared management plans.	1 1

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4.1. Protect and manage habitats of importance for the Siberian Crane	c) Develop management plans for Siberian Crane sites	KZ	FHC, Hunting & Fishing Association, other stakeholders	KZ: 1) Participate in preparation of development plans for unprotected WCASN areas and newly designated Ramsar sites in collaboration with the existing users of these areas and according to legislation of the Republic of Kazakhstan. 2) Determine of responsible initiative groups and provide them resources for plan development. RU: Evaluate possibilities of updating and transformation of management plans created during UNEP/GEF SCWP for proposed WSCAN sites.	1
		RU	WCASN		2
	d) Conduct applied research on Siberian Crane sites in support of site management	AZ	AOS, MENR	AZ: 1) Improve research activities in Gyzyl-Aghach SNR, Shirvan NP, and Apsheron NP. 2) Organise annual mid-winter census of waterbirds. IR: 1) Use the results of waterbird census to implement the management plan. 2) Incorporate the waterbird monitoring analysis results into the management plan. KZ: Continue monitoring and counts of migratory birds and use their results to update management plans. RU: Conduct applied research at key Siberian Crane sites in support of site management.	2
		IR	DoE		2
		KZ	SNRs, GSWG of East Europe and North Asia		2
		RU	ARRINP		3
	e) Monitor and assess the environmental impacts of human development on habitats of importance for the Siberian Crane, including possible impacts of climate change.	IR	DoE	IR: 1) Apply the university studies on impact of human activities and climate change to the management plan implementation. 2) Review documents of the Convention on Climate Change. KZ: 1) Continue monitoring of the ecological conditions on stopover sites and dynamics of threats. 2) Consider possibilities of development and implementation of special project on an analysis of possible influence of climatic changes on hydrological regime of lakes and waterbird number dynamics, in cooperation with GSWG of East Europe and North Asia, Working Group on Lesser White-fronted Goose, Wetlands International and other organisations, and seek funds. This work requires collection and analysis of enormous volume of materials, beginning with meteorological data (amounts of precipitation, temperature, etc.) for as long period as possible.	2
		KZ	SNRs		2
	f) Manage buffer zones and external threats for protected areas critical for the Siberian Crane	RU	ARRINP	RU: Monitor impacts of oil and gas exploration at the Siberian Crane breeding grounds.	2
		All Range States-WP			All Range States-WP: No any activites needed.

Objective V: Increase public awareness and ecological education					
Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
5.1. Share information on the Siberian Crane conservation efforts through mass media	a) Publicize information on the Siberian Crane conservation efforts in mass media, public and scientific magazines	All Range States-WP IR KZ RU	SCFC, ICF DoE, NGO SNRs ARRINP, SF	All Range States-WP: 1) Continue to provide information about the Siberian Crane conservation activities to mass media. 2) Publicize information in CMS bulletin, ICF Bugle, Siberian Crane Flyway (SCF) News and other newsletters and scientific journals and books. IR: Continue to send articles and news to the Iranian mass media. KZ: 1) Continue collaboration with mass-media of Kostanay Region. 2) Continue publish information about Siberian Cranes in newsletters. RU: Continue publicize information on the Siberian Crane conservation efforts in mass media, public and scientific magazines.	2 1 2 2 2
	b) Produce and share education and information materials on the Siberian Crane and wetlands	ICF, SCFC All Range States-WP IR IR, KZ RU	All Range States-WP SCFC SCFC WCASN CWGE	ICF, SCFC: Continue to provide the range states with awareness materials especially for the Crane Celebrations, if funds are available. All Range States-WP: Share educational/awareness materials with other range states. IR: 1) Translate the SCWP Final Report into Farsi and distribute it among interested organisations and people. 2) Produce booklets for case studies. IR, KZ: Produce information materials for hunters within WCASN activity RU: 1) Create a film about cranes. 2) Continue produce and distribute education materials such as booklets, leaflets, pins, stickers.	2 2 2 3 2 2
5.2. Community involvement	a) Develop education and information programmes and public events for target groups of local people (especially hunters) on protection of the Siberian Crane and its habitats	CBCC AZ, RU IR	IR AOS, SCFC DoE, SCFC	CBCC: Deliver one pair of captive-raised Siberian Crane to Iran for education purposes. AZ, RU: Continue organising Crane Celebrations. IR: 1) Continue organising "World Migratory Bird Day" and "Crane Celebration" to attract more audience (if cranes arrive). 2) Work towards declaring a "National Bird Day", as this is the best tool to widen this event to all parts of the country. 3) Provide guidelines for raising the awareness of the key stakeholders, target groups and audience at national, provincial and site levels about the Project 4) Contributing to achievement of sustainable change of attitude among the stakeholders at national, provincial and site levels. 5) Develop practical action plans for sound implementation and monitoring the activities recommended by the Awareness Strategy 6) Participate in "Siberian Crane in a Suitcase" education program. 7) Continue education activities in Bujagh NP.	2 1 2 2 2 2 2

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5.2. Community involvement	a) Develop education and information programmes and public events for target groups of local people (especially hunters) on protection of the Siberian Crane and its habitats	KZ	SNRs, NGOs, KSPI, SCFC	KZ: 1) Continue organise traditional Crane Celebration and "Migratory Bird Day". 2) Expand this activity on Delta Ural area through involvement of Akzhaik Reserve.	1 1
		RU	SCFC	RU: 1) Continue the education programme "Siberian Crane in a Suitcase" 2) Continue organising "Crane Celebration" widely.	2 2
	b) Establish and maintain learning/information center	IR	DoE, NGOs	IR: 1) Complete establishment of the education center in FDK. 2) Continue education activities in Bujagh NP.	2 2
		KZ	SNR, NGOs, KSPI, SCFC	KZ: Continue development of student club of birdwatchers.	1
5.3. Sustainable livelihood opportunities	Initiate and facilitate sustainable livelihood projects for local communities	IR	DoE, Site Management Committees, NGOs	IR: Facilitate and monitor livelihood activities in the area through inter-sectional coordination.	1
		KZ	Naurzum SNR, FHC	KZ: Develop infrastructure of ecological tourism in Naurzum SNR.	1 3

Objective VI: Enhance national and international cooperation and information exchange

Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
6.1. Improve national and international cooperation and information exchange	a) Designate a national lead agency responsible for coordinating the Siberian Crane conservation and management policy	CMS, SCFC, ICF	All Range States-WP	CMS, SCFC, ICF: Maintain and update focal point list regularly.	1
		All Range States-WP	CMS	All Range States-WP: 1) Identify technical and administrative focal points. 2) Inform CMS Secretariat of any changes in responsibilities.	1 1
	b) Collaborate and conduct international research and monitoring	CMS	UNEP, GEF	CMS: Call attention to the importance of conserving Siberian Cranes and their habitats over their entire range, at relevant international conferences.	1
		ICF, WI, CMS		ICF, WI, CMS: Develop WC Asia GEF proposal with ICF and CMS, in close consultation with partners with a focus on key WCASN and other internationally important migratory waterbird sites.	1

Objective VI: Enhance national and international cooperation and information exchange					
Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
6.1. Improve national and international cooperation and information exchange	b) Collaborate and conduct international research and monitoring	All Range States-WP, SCFC	GWGE, WI, CAF	All Range States-WP, SCFC: 1) Strengthen a network for monitoring migrating cranes in collaboration with network sites and other important sites. 2) Attend the CWGE Scientific Conference "Cranes of Palearctic: Biology, Conservation, Management (in memory of Academician P.S. Pallas)" in Volgograd, Russia, in October 2011. 3) Participate in CWGE activities.	1
		IR	RU, OCBC	IR: 1) Continue to participate in international and bilateral agreements. 2) Develop and implement activities under bilateral agreement with Russia. 3) Receive Siberian Cranes from OCBC for release and education purposes.	2 1 1
		KZ	RU, SF	KZ: 1) Cooperate with Russia in implementation of Flight of Hope Project. 2) Organise monitoring of migratory Eurasian Cranes in places of their mass concentrations within the frame of the Siberian Crane reintroduction programme.	1 1
		RU	KZ, CBCC, OCBC	RU: 1) Collaborate with Kazakhstan colleagues within the framework of Flight of Hope Project, including field research of a stretch of migration route across the Kazakhstan part of the Kyzyl Kum desert. 2) Conduct expert exchange visits on sites and collaborative projects. 3) Consider possibilities to provide captive-bred Siberian Cranes for education and further releases upon requests from range states.	1
	c) Provide central coordination of information exchange through SCFC and regional database / GIS on the Siberian Crane and its sites	SCFC	ICF, CMS, All Range States-WP	SCFC: Continue to collect and share information. Update SCFC website and establish Russian version of the website. Continue to update Siberian Crane database.	1
		WI	WOW, AEWA, CMS	WI: Promote use of the Wings Over Wetlands (WOW) Critical Site Network Tool launched in June 2010 with WOW Partners as an information platform for Siberian Crane and migratory waterbirds in the western flyway.	1
		All Range States-WP RU	SCFC SCFC	All Range States-WP: Continue to provide information to SCFC. RU: Timely exchange information on migration dates and directions.	1 1
	d) Submit an annual report on implementation of the Siberian Crane MOU to the UNEP/CMS Secretariat	CMS, ICF, SCFC	All Range States-WP	CMS, ICF, SCFC: 1) Compile and distribute CMS MOS7 report, including revised Conservation Plans for three populations with limited number of hard copies. Send hard copies to governmental agencies of range states. Upload publication on CMS website.	1
				2) Create template and database for electronic online reporting and upload them to CMS website. Request additional information from countries and upload country reports to CMS website, as appropriate.	1

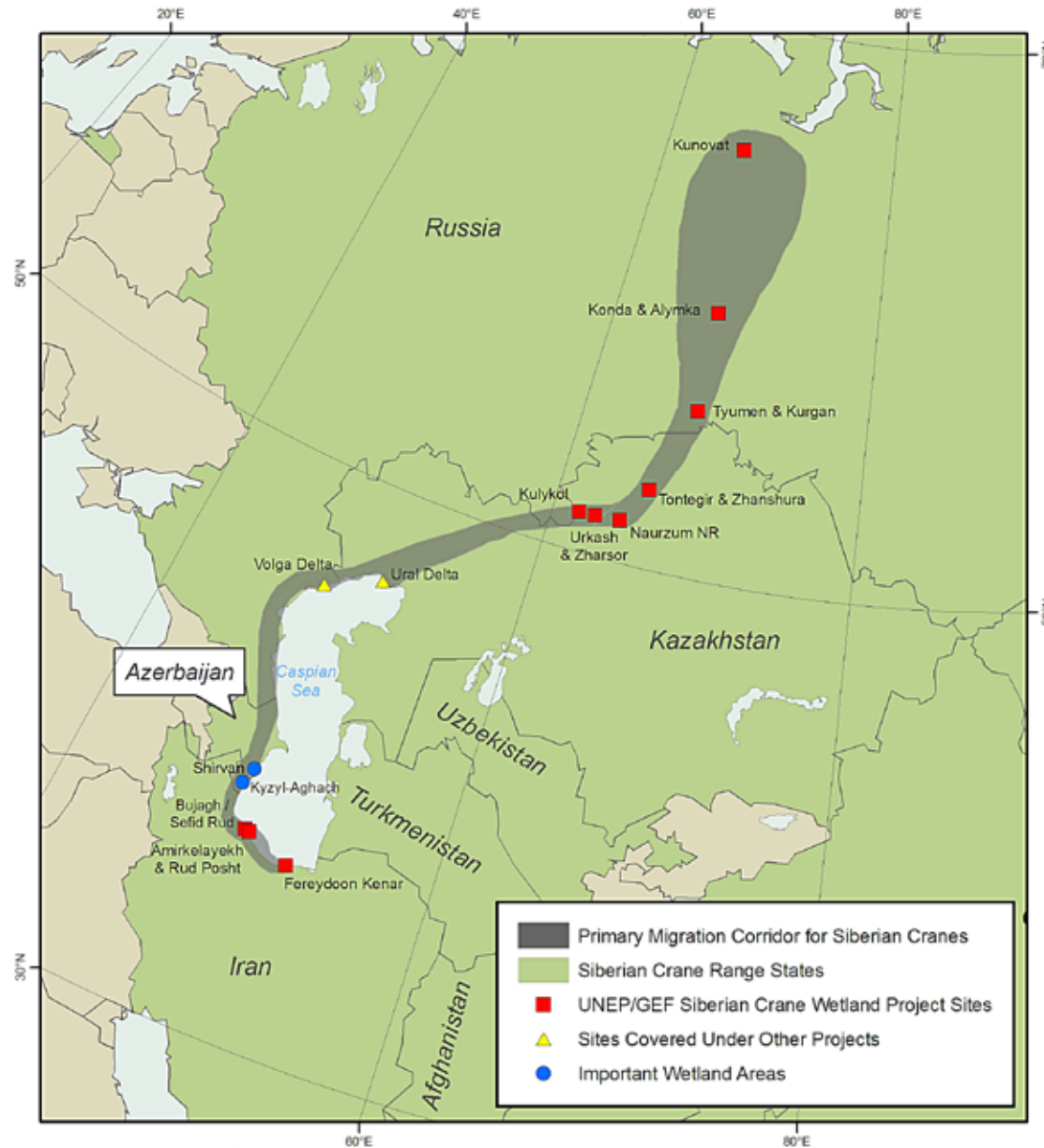
Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
6.1. Improve national and international cooperation and information exchange	d) Submit an annual report on implementation of the Siberian Crane MOU to the UNEP/CMS Secretariat	CMS	ICF	CMS: Produce executive summary of priorities and send to national governments requesting support. Range States will be sent draft to review and provide clarification or details.	1
		SCFC	CMS, ICF, All Range States-WP	SCFC: Update national report format according to comments from range states.	1
		All Range States-WP	CMS, ICF	All Range States-WP: 1) Review and give technical input to the conservation plan-WP	1
				2) Give comments to national report format	1
				3) Give comments to executive summary of priorities.	1
	e) Host and/or attend regular meetings of the Siberian Crane Range States	CMS, ICF	All Range States-WP, WI, CBCC, Birdlife International	CMS, ICF: 1) Identify host country for MOS8.	1
2) Work with host country of MOS8 to ensure that the meeting is financially secure.				1	
All Range States-WP	CMS, ICF	CMS, ICF	3) Liaise with other potential co-operating organisations as appropriate that signal their interest to sign the MOU.	1	
			4) Contact Birdlife International as possible participant and signatory to MOU.	2	
All Range States-WP: Host and/or attend MOSs.	1				
6.2. Development of the Western/Central Asia Site Network for the Siberian Crane and other waterbirds	a) Promote further specific activities on WCASN development	KZ, RU	ICF, SCFC	KZ, RU: Implement Project on Crane Hunting Mitigation in Asia supported by ICF through MBZ Species Conservation Fund at WCASN sites.	1
		IR, KZ, RU	ICF, SCFC	IR, KZ, RU: Implement WCASN Action Plan for 2010-2012.	2
		AZ	AOS, SCFC, ICF, CMS Secretariat	AZ: Prepare letter of endorsement for nomination of two sites (Shirvan National Park and GyzyI-Aghach SNR) for inclusion in WCASN.	1
		KZ	SCFC, CMS Secretariat	KZ: Nominate three more sites for the inclusion in WCASN:	
				q) Sarykopa Lake System is wildlife refuge. There is plan to include it to «Altyn-Dala» SNR in 2011-2012;	
RU	SCFC, CMS Secretariat	b) Turgay-Irgiz Lake System. Some of these lakes are located within Turgay WR and others are included in Irgiz-Turgay Reservat;			
		c) Tengiz-Kurgaljino Lake System within Kurgaljinskiy SNR.			
RU: Work on nomination into WCASN of sites proposed by Russian Federation (Agrakhanskiy, Belozerskiy, and Konda-Alymka).	1				

Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
6.2. Development of the Western/ Central Asia Site Network for the Siberian Crane and other waterbirds	b) Coordinate with Central Asian Flyway initiative on site network development	WI	CMS, KZ, RU	WI: Work closely with CMS to finalize the institutionalization of the CAF Action Plan in collaboration with Range States and partners to enable its early implementation including development of the CAF site network.	2
		All Range States-WP	CMS, CAF, ICF, AEWA	All Range States-WP: 1) Cooperate with CAF on development of Species Action Plans, Western/Central Asian Site Network for Siberian Cranes and other Migratory Waterbirds (WCASN), hunting and harvesting. 2) Cooperate with AEWA on protected areas management in Western and Central Asia, encouragement for countries to join AEWA, promote sustainable hunting, and participate in World Migratory Bird Day.	2
		KZ, RU	WI, CAF, CMS	KZ, RU: Participate in CAF meetings.	3
6.3 Support Siberian Crane conservation activities through the East Asian – Australasian Flyway Partnership	Collaborate with the Crane and Stork Working Group of the EAAP to integrate Siberian Crane conservation with flyway level activities for migratory waterbirds in the annual Partnership workplans	ICF, CMS	All Range States-WP	All Range States-WP: 1) Attend NEACWG and EAAFP meeting for representation of ICF and CMS. 2) Develop paper on partnership opportunities.	2
6.4. Capacity building	Determine country's needs, in terms of human resources, knowledge and facilities, in order to build capacity to strengthen conservation measures for the Siberian Crane and its habitats	CMS, ICF	Related organisations	CMS, ICF: Participate in related international workshops and conferences.	2
		ICF		ICF: Provide technical support to Range States including ordering and data management of PTTS.	2
		WI	AEWA, WOW	WI: Promote use of the WOW Flyway Training Kit to build national and local capacity for waterbird and wetland management in Central and Western Asia with WOW Partners and others.	
		AZ	AOS, Ghyzyl-Aghach SNR	AZ: 1) Hire trained people for identification of Siberian Cranes during migration and stopovers. 2) Set up sustainable monitoring network including awareness and training of PA staff and local communities on identification and count of Siberian Crane and other Globally Threatened Waterbirds. 3) Improve infrastructure of Gyzyl-Aghach SNR and create National Park on its basis through expanding of SNR border.	1 1
		IR	DoE	IR: 1) Complete construction of the education center in FDK. 2) Provide necessary equipments for FDK and Bujagh for guarding and monitoring. 3) More guarding and law enforcement are required to improve protection activities. 4) Consider training of experts from provinces as a priority.	1 1 1 1

Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
6.4. Capacity building	Determine country's needs, in terms of human resources, knowledge and facilities, in order to build capacity to strengthen conservation measures for the Siberian Crane and its habitats	KZ	FHC, Naurzum SNR, NGOs, KSPI, SCFC	KZ: 1) National possibilities are insufficient: (i) national foundation/sponsors organisations which would support NGO are absent; (ii) existent governmental grant programs (social order) realized through Regional Akymats supports only socially significant projects (iii) Kazakhstan has very few experts-ornithologists, therefore, for example, for implementation of a project on IBAs Russian colleagues were invited for help.	1
				2) To strengthen measures on conservation of the Siberian Crane and its habitats it is first necessary to provide support to the initiative groups/ NGO in realization of projects focused on specific sites (for example, a pilot project on zoning of lakes).	1
				3) All measures on reintroduction/increasing number of the Siberian Crane of west/central population make sense and can be realized only in close cooperation with the Russian side and other countries in the region. A long-term program must be prepared, which includes scientific aspects (such as influence of climatic changes on hydrological regime of lakes and habitats of the Siberian Crane). Funding should be actively sought.	1
		RU	Astrakhan SNR, OCBC	RU: 1) Establish a Siberian Crane field station in Astrakhan SNR.	3
				2) Reconstruct facilities for the Siberian Crane chicks at OCBC.	1
				3) Organise training on ecological education for PA staff.	2
3) Provide satellite devices (PTTs) for released Siberian Crane chicks.	1				
4) Conduct special training for new techniques.	2				
6.5. Raise funds to support a comprehensive conservation programme supporting MOU implementation	a) Develop comprehensive project proposal(s) to submit to appropriate agencies for possible funding	CMS	ICF, All Range States-WP, UNEP	CMS: 1) Set up mechanisms for countries to contribute funds dedicated to the Siberian Crane conservation.	1
		ICF	CBCC, All Range States-WP	2) Request UN Foundation to consider support of Siberian Crane conservation through UNEP/CMS.	1
		CBCC	ICF, OCBC, ICF, SCFC	ICF: 1) Seek funds through CBCC to support continuation of SCFC position for at least one year.	1
		ICF, WI	All Range States-WP	2) Support key regional activities.	1
		RU	Oil and gas companies of ITERA and Petroresurs	CBCC: 1) Consider support for travel to build capacity and promote collaboration 2) Help seek funds for SCFC position 3) Continue support to OCBC for releasing birds for reintroduction. 4) Seek support for Flight of Hope Project	1
ICF, WI	All Range States-WP	ICF, WI: See support from countries to apply for UNEP/GEF grants for Western/Central Asia.	1		
RU	Oil and gas companies of ITERA and Petroresurs	RU: Get funds from oil companies (ITERA, Petroresurs) for support of the Siberian Crane release in Caspian Region of Russia.	1		

Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
6.5. Raise funds to support a comprehensive conservation programme supporting MOU implementation	b) Develop small-scale project proposals to submit to CMS or ICF for their consideration	KZ, RU RU ICF, CMS	ICF	KZ, RU: Implement Project on Crane Hunting Mitigation in Asia supported by ICF through MBZ Species Conservation Fund. RU: Develop small-scale project proposals and seek funding sources. ICF, CMS: Provide comments to strengthen proposals and provide letters of support as appropriate.	1 1 1
	c) Appeal to governments for funding of Siberian Crane conservation activities related to the Siberian Crane MOU	CMS AZ KZ RU	All Range States- WP, ICF MENR, AOS FHC MNRE	CMS: 1) Provide letters of support for efforts of national agencies and co-operating partners to secure additional funding for MOU-related activities. 2) Continue to coordinate with Friends of CMS to determine what support could be provided to the MOU's implementation in collaboration with ICF. AZ: Raise funds from both governments and other sources. KZ: Improve access to funding through state budget. RU: 1) Continue work with governments for funding of the Siberian Crane conservation activities related to the Siberian Crane MOU. 2) Get financial support from MNRE for maintaining of OCBC.	1 1 1 1

Figure 2. Map of Siberian Crane Western Flyway



Map by the International Crane Foundation 2005
Cartographer: Zoë Rickenbach

Conservation Plan for the Central Flyway

Objective I: Reduce mortality					
Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
1.1 Determine and monitor prevailing threats of all types to the Siberian Crane and its habitats	a) Assess and monitor threats in the Siberian Crane nesting and wintering grounds and along the migration routes	All Range States-CP	ICF, CMS, WI	All Range States-CP: 1) Work with partners to raise importance of Poyang Lake for the Siberian Crane and other migratory waterbirds due to dam construction. 2) Continue monitoring of threats through surveys or questionnaire.	1
		AF	Wildlife Species Listing Committee	AF: Setup and work to outline protected and harvestable species including Siberian cranes.	2
		IN		IN: Examine and manage impact of power lines expansion in crane migration range on mortality.	1
		KZ	Akzhaik Reserve	KZ: Extend threats monitoring of wetlands to western Kazakhstan (Aktymbinsk and Atyrau Regions) (consider impacts of oil and gas industry).	1
		PK	Pakistan Wetlands Program (PWP)	PK: 1) Assist a study on assessment of pollution levels in the Central Indus Wetlands Complex by Pakistan Wetlands Programme (PWP). 2) Assist an M.Phil. student to investigate pollution sources in the Indus River by PWP.	2 3
		RU	MNRE, Oil and Gaz Companies	RU: 1) Continue monitoring of oil and gaz minefields in Kunovat River Basin on the Siberian Crane habitats. 2) Reduce illegal hunting pressure.	1 1
		TU		TU: Continue this activity, including monitoring of accidental deaths of Eurasian Cranes during wintering.	2
		UZ	UzCWG	UZ: Continue to monitor poaching along the Siberian Crane flyway and at the Eurasian Crane wintering grounds.	1
	b) Identify and document best practice protocol for conservation and management of the Siberian Crane to minimize threats to the Siberian Crane and its habitats	All Range States-CP		All Range States-CP: Continue to identify best protocols for conservation and management of the Siberian Crane, as new information becomes available.	1
		PK	PWP, CBCC, KPK WLD Arid Agriculture University	PK: 1) PWP plans to extend its activities to enhance captive breeding so that hunting pressure may be reduced on the migratory birds. Pakistan lacks biologists trained in captive breeding of the cranes. Moreover there is a dire need to build the capacity of local peoples in Banuu and Lakki areas of Khyber-Pakhtunkhwa Province for effective captive breeding and disease management. 2) PWP continues to sponsor students' research on subjects related to cranes. An M.Phil. student of the Arid Agriculture University, Rawalpindi completed her thesis in 2010 and another student research will be completed soon. 3) The possibilities to work in collaboration with Cracid & Crane Breeding and Conservation Centre (CBCC) should be considered.	1 1 1

Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority	
1.1 Determine and monitor prevailing threats of all types to the Siberian Crane and its habitats	c) Determine hunting seasons and best practices in areas used by Siberian Crane	ICF	All Range States-CP MAIAH	ICF: Finalize hunting strategy, consult with partners, and develop proposals to cover a range of activities over a long period.	1	
		AF		AF: Hunting regulation and procedures is in progress.	1	
		KZ	Regional Hunting Associations, other stakeholders	KZ: 1) Discuss with hunting association the question about spring hunting and possibility of its complete prohibition.	1	
		PK		BFWD, KPK WLD, SEED Zhob, and PWP	2) Work with hunting associations and other stakeholders (private hunting organisation) to expand practice of prohibiting of hunting at water bodies.	1
					PK: 1) Continue efforts of Balochistan Forest and Wildlife Department (BFWD) on crane conservation in collaboration with PWP.	1
		TU	MNP	2) Continue to support the crane conservation initiatives in Khyber- Pukhtunkhwa and Balochistan provinces by PWP and WWF Pakistan, providing resources are made available.	1	
				3) Continue technical support by PWP to build capacity of local NGOs in Zhob such as Society for Economic and Environmental Development (SEED), Zhob to initiate community based crane conservation efforts.	2	
UZ	Uzbekistan Hunting and Fishing Society, Gosbiokontrol, UzCWG	TU: Continue the issue, before the start of hunting season, the governmental decree "On Hunting Season Opening" with the List of Species for Banned Hunting, including the Siberian Crane.	2			
UZ: Continue preparing, printing and distribution of information about the Siberian Crane among hunters, collect and analyze all Siberian Crane sightings.	2					
1.2. Strengthen and improve enforcement of legislation for crane protection	a) Review existing national and local legislation to address gaps or challenges to Siberian Crane conservation.	KZ	FHC	KZ: Continue work on nomination of other important wetlands (Sarykopa, Turgai-Irgiz Lake System, Syrdaria River Delta) in Ramsar List.	2	
		PK	PWP, NCCW/MoE	PK: 1) PWP continues collaboration with the KPK WLD and BFWD in their crane conservation efforts in Zhob and Musa Khel and make efforts to review crane conservation rules/legislation to identify gaps.	2	
				2) Facilitate approval of amendments and effective enforcement of laws, and harmonize laws among provinces.	2	
		RU	MNRE	RU: Take into account problems connected with hunting pressure for the Siberian Crane population through updating of federal and regional hunting legislation.	2	
		TM	MNP	TM: Continue work on preparation of the third issue of Red Data Book of Turkmenistan.	2	
UZ	Gosbiokontrol	UZ: Plan to update Decree of the Ministry Council #508 from 28 October 2004 regarding significant increasing of penalty for illegal hunting of the Siberian Crane and other crane species.	2			

Programme	Activity	BFWD	Collaborators	Future Specific Activities for 2010-2012	Priority
1.2. Strengthen and improve enforcement of legislation for crane protection	b) Ensure effectiveness of law enforcement	IN	MoEF	IN: 1) Promote wetlands to be protected as Conservation Reserves and Community Reserves (new categories of protected areas in India). 2) Identify historical Siberian Crane wintering wetlands for consideration to designate them as wetlands conservation reserves.	1
		KZ	FHC, SNRs, Regional Hunting Associations & other stakeholders	KZ: Enhance protection under existing laws.	1
		PK	PWP, MoE	PK: Present the draft "National Wetlands Policy" to the National Cabinet and National Assembly for approval and adoption at national and provincial levels.	1

Objective II: Monitoring and research

Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
2.1. Monitor and study the Siberian Crane and its habitat	a) Conduct regular monitoring of known areas along the flyway to determine estimated numbers of the Siberian Crane	WI	All Range States-CP, AWC	WI: Promote use of the Asian Waterbirds Census framework for monitoring of the Siberian Crane and other waterbirds and wetlands for the region.	1
		All Range States-CP	SCFC	All Range States-CP: Continue to monitor Siberian Crane of known areas along the central flyway if funds will be available.	1
		AF	AWEC	AF: Develop a plan for monitoring of known Siberian Crane areas by Afghanistan Wildlife Executive Committee (AWEC).	2
		IN	ICWWG	IN: 1) Continue ground surveys during the migratory season in historical Siberian Crane sites as well as other satellite wetlands for monitoring the status of migratory waterbirds and for documenting any possible arrival of Siberian Cranes. 2) Continue the annual bird count programmes.	1
		KZ	SNRs, GSWG of East Europe and North Asia	KZ: 1) Continue monitoring of lakes in Naurzum SNR and Zharsor WR. 2) Count Eurasian Cranes and other waterbirds on the other lakes along the Siberian Crane flyway in KostanayRegion, if funds are available.	2
		PK	PWP, MoE, BFWD, SEED, KPK WLD	PK: 1) Continue to conduct regular surveys of the crane's habitats along the Indus River. 2) Assist and encourage BFWD and local NGOs such as SEED to conduct surveys of cranes migrating through the Zhob, Musa Khel and Noshki districts of Balochistan. Ahmad Khan, PWP, assisted the SEED to develop a proposal for funding of UK Pounds 1000 by the Oriental Birds Club. This project on surveys will be implemented next migration season (spring 2011).	2

Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
2.1. Monitor and study the Siberian Crane and its habitat	a) Conduct regular monitoring of known areas along the flyway to determine estimated numbers of the Siberian Crane	RU	ARRINP, SF	RU: 1) Continue the regular monitoring and surveys at breeding grounds and migration routes of Central Asian flock. 2) Continue activity through distribution of the Siberian Crane questionnaire for hunters in key Siberian Crane sites. 3) Cooperate with hunters to involve them in observations and reporting of Siberian Crane sightings.	1 1 1
		TU	MNP	TU: 1) Continue to conduct inquiry of local people during monitoring of wintering Eurasian Cranes. 2) Continue monitoring of migrating and wintering Eurasian Cranes as far as possible. 3) Check for possibility of the Siberian Crane sightings in the Eurasian Crane flocks.	1 1 1
		UZ	Gosbiokontrol, SCNP, Institute of Zoology of AS RUz	UZ: Collect data on rare species including the Siberian Crane within the frame of the state program "Cadastre of Fauna of the Republic of Uzbekistan".	1
	b) Determine new migration stopovers, wintering areas, as well as summering areas of Siberian Cranes through satellite or radio tracking, questionnaires, surveys, and other methods and investigate them	SCFC, ICF	All Range States-CP	SCFC, ICF: Immediately share received information among Range States through e-mail list and website.	1
		All Range States-CP	SCFC	All Range States-CP: Continue to check all reported sightings of the Siberian Crane.	1
		AF	AWEC	AF: Develop a plan on investigation of the new Siberian Crane areas.	2
		IN	MoEF, Government of India, BNHS, WWF-India, ICWWG, ICF	IN: 1) Continue to conduct questionnaire among local people by NGOs and University research organisations; 2) The BNHS intends to continue the satellite telemetry work as well as bird banding as the mode for monitoring bird migration. 3) Continue ground surveys with increasing involvement of public societies and researchers' network. 4) Investigate all reports about Siberian Crane sightings on an emergency basis.	1 1 1 1
		KZ	SCFC, ICF, NRs	KZ: 1) Continue interview of hunters, fishermen, shepherds and questionnaire, if funds are available. 2) Respond immediately to future sightings: verification of reports is possible in cases when information is received on the sighting day and a visit to the place of sighting is feasible.	1 1
		PK	PWP	PK: 1) Procure four satellite transmitters and launch an effective Satellite Tracking Programme for tracking of migratory birds including cranes. 2) Include cranes in the banding programme for effective collaboration with the local hunters.	1 1

Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
2.1. Monitor and study the Siberian Crane and its habitat	b) Determine new migration stopovers, wintering areas, as well as summering areas of Siberian Cranes through satellite or radio tracking, questionnaires, surveys, and other methods and investigate them	RU	ARRINP, OSNBR	RU: 1) Continue determining new migration stopovers, wintering areas, as well as summering areas of Siberian Cranes through satellite or radio tracking, questionnaires, surveys, and other methods. 2) Continue to investigate all reports of the Siberian Crane sightings received through interviews and questionnaire at breeding grounds and along central flyway, if funds are available.	1 1
		TU	WI, AWC	TU: Continue to seek new data concerned Siberian Crane and other crane species during mid-wintering Asian Waterfowl Census.	2
		UZ	Institute of Zoology of AS Ruz	UZ: 1) Continue to organise questionnaire among local people, including hunters through correspondence network. 2) Continue inquiry of local people about Siberian Crane sightings during monitoring of migratory Eurasian and Demoiselle Cranes.	1 1
	c) Conduct ecological studies of the Siberian Crane in your country	All Range States-CP	IUCN	All Range States-CP: Note publication by Dr. Carey Krajewski proposing the Siberian Crane is listed in its own genus as (<i>Leucogeranus leucogeranus</i>). This emphasizes the taxonomic uniqueness and ancient lineage of the Siberian Crane. Work with IUCN Crane Specialist Group to confirm official change of genus.	3
2.2. Maintain national database on the Siberian Crane and its habitats	Regularly contribute to and maintain the regional database, and extend it to cover all Range States	ICF, SCFC	All Range States-CP	ICF, SCFC: Maintain database and explore options to go on-line and link more effectively with databases under other initiatives.	1
		All Range States-CP	SCFC	All Range States-CP: Provide information on Siberian Crane sightings and all activities along Central Flyway to SCFC for inclusion in regional database.	1
		IN	SCFC	IN: Plan to formalize the above programmes into a bird database.	
		UZ	Institute of Zoology, UzCWG	UZ: Develop a national database.	2
2.3. Promote or take into account avian influenza surveillance at important crane sites	Collaborate with, and complement activities of other agencies to strengthen sample collection for surveillance of avian influenza in migratory waterbirds at network sites and other important crane sites.	IN	MoEF, Ministry of Health	IN: The MoEF and Ministry of Health, Government of India are setting in motion a national avian influenza monitoring programmes	
		KZ	FHC, SNRs, Hunting and Fishing Society, Veterinary Service	KZ: Plan for both passive and active surveillance in case of an outbreak.	2
		PK	PWP, NARC	PK: Continue to collaborate with National Agriculture Research Council (NARC) in Islamabad on analysis of blood and tissue samples collected for surveillance of avian influenza of migratory birds.	2
		TM	MNR, Sanitary-Hygienic Service, Hunting and Fishing Society	TM: Request the National Hunting and Fishing Society to plan selective shooting of waterfowl during migration and wintering for the following avian influenza analysis by Sanitary & Hygienic Service.	2

Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
2.4. Evaluate efficacy and application of research/monitoring	a) Review and evaluate research and monitoring activities for their efficacy	All Range States-CP	CMS, ICF	All Range States-CP: Provide national level review in reports. CMS and ICF will coordinate review of data on a regional level.	2
	b) Apply monitoring and research results to improve management practices and mitigation of threats to the Siberian Crane	RU, TU, UZ	ARRINP-RU, Institute of Zoology AS RUz, AS of TU	RU, TU, UZ: Use results of monitoring and research to improve management practices and mitigation of threats to cranes along potential migrating routes and wintering grounds of the Siberian Crane.	1

Objective III: Increase numbers and genetic diversity

Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
3.1. Promote recovery of the Siberian Crane populations	a) Produce eggs and chicks of Siberian Cranes for release programmes	CBCC, OCBC	RU	CBCC, OCBC: Provide chicks or eggs produced during early stages of the breeding season to have Siberian Crane chicks with suitable age for Flight of Hope Project.	2
		CBCC	RU, OCBC	CBCC: Обеспечить Питомник ОГПБЗ яйцами стерха, полученными в начале сезона размножения, для последующего выращивания и использования в Проекте Полет надежды.	2
	b) Restore Siberian Crane populations through release programmes	ICF, CBCC, OCBC, RU	SF	ICF, CBCC, OCBC, RU: Collaborate to develop release strategy .for Flight of Hope Project.	1
		KZ, TU, UZ	RU	KZ, TU, UZ: Sign the bilateral agreement with Russia for implementation of Flight of Hope Project.	2
		RU, OCBC	ЦПСКЖ	RU, OCBC: 1) Increase the number of released Siberian Cranes at breeding grounds (Kunovat) and on migration stopovers (Armizon District) along Central Flyway.	1
				2) Strengthen important restoration efforts through Flight of Hope project and other release techniques to increase number of birds successfully released and to increase collaboration with other countries.	1
		TU	KZ, RU, UZ	TU: Cooperate with other countries to coordinate activities along the Siberian Crane flyway in Amudaria Valey under Flight of Hope Project.	2
UZ	RU, ECJ, Gosbiokontrol, SCNP, UzCWG	UZ: Support Flight of Hope Project at Ecological Center "Jeiran" (ECJ) in cooperation with Russia.	1		
c) Monitor Siberian Cranes released into the wild	All Range States-CP	SCFC	All Range States-CP, SCFC: Participate in tracking migration of released captive-bred Siberian Cranes supplied with satellite transmitters.	1	

Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
3.1. Promote recovery of the Siberian Crane populations	c) Monitor Siberian Cranes released into the wild	KZ, RU, TU, UZ RU, UZ	SCFC ECJ	KZ, RU, TU, UZ: Continue to monitor captive-bred Siberian Cranes released into the wild through satellite tracking. RU, UZ: RU, UZ: Band released Siberian Cranes from ECJ with color bands and radio transmitters if funds will be available.	1 2
	d) Conduct genetic studies to manage the genetic diversity of wild and captive populations	RU	Institute of Genetic of RAS, OCBC, Moscow Zoo	RU: Conduct genetic studies in cooperation with Institute of General Genetic RAS and Moscow Zoo, if funds are available.	3
3.2. Develop safe migration routes for Siberian Cranes based on those used by Eurasian Cranes	a) Identify and survey relatively safe habitats of the Eurasian Crane population - one that frequents ecologically suitable areas on the breeding grounds, along the migration route and on the wintering grounds - into which Siberian cranes could be (re)introduced	AF	SFA	AF: Continue research along migration routes and at wintering grounds of Eurasian Cranes.	3
		TU	МОН	TU: Continue monitoring of the Eurasian Crane wintering grounds in Durnaly and Tallymerjen & Kelif-Zeyit.	3
		UZ	Institute of Zoology AS RUz, UzCWG	UZ: 1) Continue monitoring of wintering places of the Eurasian Crane near Termez and Talimarjan Reservoir. 2) Collect data from correspondents (rangers, hunters, local people, and ornithologists) about Eurasian Crane wintering sites and migration routes.	2 2
		IN	ICWWG	IN: 1) Continue to determine migratory routes of Eurasian Cranes in western and north eastern India. 2) Continue PTT studies on Eurasian Cranes. 3) Continue work on the questionnaire of inspectors and hunters pending financial resources for printing of questionnaires.	3
	b) Determine migration routes and wintering sites of various populations of the Eurasian Crane within the current and former range of the Siberian Crane populations through satellite or radio tracking, questionnaires, surveys, and other methods	KZ	SNRs	KZ: 1) Survey north and west parts of Kostanay Region to find possible migration stopovers of the Eurasian Crane. 2) Continue monitoring Eurasian Crane migratory concentrations on Zhar-sor Lake, if funds are available.	2 2
		PK	WWF-PK, PWP, KPK WLD BFWD	PK: Conduct survey of key crane hot spots along the Central Indus River in Khyber-Pukhtunkhwa Province and along the Zangi Nawar Lake in Noshki District, Rakhni in Musa Khel District and in Zhob District.	2
		RU	ARRINP, OSNBR	RU: Continue monitoring of the Eurasian Crane population on nesting grounds and staging areas in West Siberia along migration route used by the Siberian Crane, including PTT marking.	2
	TU	MNR	TU: Conduct the Eurasian Crane censuses during autumn migrations in Eastern Kopetdag foothills and in Amudaria Valley, if funds are available.	2	
	UZ	Institute of Zoology AS RUz, Gosbiocontrol	UZ: Continue search for new stopovers of the Eurasian Crane along the Siberian and Eurasian Cranes flyway.	2	

Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
3.2. Develop safe migration routes for Siberian Cranes based on those used by Eurasian Cranes	c) Develop optimal migration routes for Siberian Cranes using migration routes of Eurasian Cranes	KZ, RU, UZ	OCBC, CBCC, ITERA	KZ, RU, UZ: Realize practical field stage of Flight of Hope Project on reintroduction of Siberian Cranes using ultralight technique.	1
		UZ	RU, ECJ	UZ: 1) Study adaptation of the Siberian Crane to winter conditions at ECJ.	2
				2) Investigate ecological conditions (air temperature, ice and snow covering and others), threats; conduct crane counts and observations on birds' behavior and habitats.	2

Objective IV: Protect and manage habitats of importance for the Siberian Crane

Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority	
4. Protect and manage habitats of importance for the Siberian Crane	a) Improve institutional and the physical protection of the Siberian Crane sites	AF	Government	AF: Monitor the signing of Ramsar Convention that is under review by Parliament.	1	
		IN	MoEF	IN: Facilitate and support the provincial government to develop proposals for inclusion of wetlands determined as the Siberian Crane historic sites in the PA network, for designation of the IBAs, and examine if these wetlands can be declared as Ramsar Sites.		
		KZ	FHC, ACBK, stakeholders	KZ: Prepare suggestions on additional measures for site protection within the framework of IBA.		2
		UZ	Institute of Zoology AS RUz	UZ: Prepare suggestions on the additional measures of wetlands protection within the strategic plan of IBAs.		1
	b) Secure protection through collaboration with local communities and/or legal measures for inadequately protected or newly identified areas of importance for the Siberian Crane	AF	SFA	AF: Work on establishment of protected areas of different levels.	1	
		IN	MoEF	IN: The Ministry of Environment & Forests, Government of India has included two other categories of protected area in the Wildlife (Protection) Act - Conservation Reserves and Community Reserves. The provinces are encouraged to work on designation of unprotected wetlands with considerable biodiversity and socio-economic value as Conservation Reserves or Community Reserves, depending on the land use tenure.	1	
		PK	PWP, BFWD, KPK WLD,	PK: PWP continues efforts to establish effective collaboration with local non-governmental organisations such as SEED Zhob to secure protection of community owned crane staging and rest areas along the Zhob River.	2	
		RU, TM, UZ	MPRE RU, MNP TU, Gosbiokontrol Uz, UzCWG	RU, TM, UZ: Enhance and expand collaboration between organisations of different levels to provide legal measures for inadequately protected or newly identified areas of importance for the Siberian Crane.	2	

Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
4. Protect and manage habitats of importance for the Siberian Crane	c) Develop management plans for Siberian Crane sites	IN	MoEF	IN: In addition to the range of actions listed in the management plan, continue testing the new innovative management approaches and modify them to be implemented under the project, supported by UNESCO – UN Foundation.	3
		KZ	FHC, Hunting & Fishing Association, other stakeholders	KZ: 1) Participate in preparation of development plans for unprotected WCASN areas and newly designated Ramsar sites in collaboration with the existing users of these areas and according to legislation of the Republic of Kazakhstan. 2) Determine responsible initiative groups and provide them resources for plan development.	1 1
		PK	PWP	PK: Develop management plans for selected wetlands including the Makran Coastal Wetlands Complex, Central Indus Wetlands Complex, Salt Range Wetlands Complex, and the Northern Alpine Wetlands Complex.	1
		RU	WCASN	RU: Evaluate possibilities of updating and transformation of management plans created during UNEP/GEF SCWP for proposed WSCAN sites.	1
		TU	WCASN	TU: Evaluate and specify the requirements for management plans development for WSCAN sites.	1
		UZ	WCASN	UZ: Develop managements plan for WSCAN sites if possible.	3
	d) Conduct applied research on Siberian Crane sites in support of site management	IN	KGNP	IN: Keoladeo Ghana National Park (KGNP) has organised annual research review meetings and has planned a range of applied research to be taken up by identified institutions.	
		KZ	SNRs, GSWG of East Europe and North Asia	KZ: Continue monitoring and counts of migratory birds and use their results to update management plans.	2
		RU	ARRINP	RU: Conduct applied research at key Siberian Crane sites in support of site management.	3
		TU	State Commission on implementation of Ramsar Convention	TU: Continue monitoring and census of migratory and wintering cranes and other waterbirds at potential Ramsar sites.	1
		UZ	Institute of Zoology AS RUz, Gosbiokontrol	UZ: Conduct applied research on WCASN sites.	3
	e) Monitor and assess the environmental impacts of human development on habitats of importance for the Siberian Crane, including possible impacts of climate change	AF	SFA	AF: Provide implementation of Environment Impact Assessment (EIA) regulations at all levels to reduce threats of development projects on wildlife habitats, stopovers and migration routes of Eurasian Cranes.	2
		KZ	SNRs	KZ: 1) Continue monitoring of the ecological conditions on stopover sites and dynamics of threats.	2

Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
4. Protect and manage habitats of importance for the Siberian Crane	e) Monitor and assess the environmental impacts of human development on habitats of importance for the Siberian Crane, including possible impacts of climate change	KZ	SNRs	KZ: 2) Consider possibilities of development and implementation of special project on an analysis of possible influence of climatic changes on hydrological regime of lakes and waterbird number dynamics, in cooperation with GSWG of East Europe and North Asia, Working Group on Lesser White-fronted Goose, Wetlands International and other organisations, and seek funds. This work requires collection and analysis of enormous volume of materials, beginning with meteorological data (amounts of precipitation, temperature, etc.) for as long period as possible.	2
		RU, UZ	ARRINP RU, Institute of Zoology AS RUz	RU, UZ: Continue monitoring the environmental impacts of ecological factors on Siberian Crane habitats.	2
	f) Manage buffer zones and external threats for protected areas critical for the Siberian Crane	RU	MNRE	RU: Manage the Synsko-Voikarsky buffer zone of Kunovat River Wildlife Refuge.	2
		UZ	Gosbiokontrol, Institute of Zoology AS RUz	UZ: Identify new wetlands and improve protection and management of wetlands important to Siberian and Eurasian Cranes.	2

Objective V: Increase public awareness and ecological education

Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
5.1. Share information on the Siberian Crane conservation efforts	a) Publicize information on the Siberian Crane conservation efforts in mass media, public and scientific magazines.	All Range States-CP	SCFC, ICF	All Range States-CP: 1) Continue to provide information about the Siberian Crane conservation activities to mass media. 2) Publicize information in CMS bulletin, ICF Bugle, Siberian Crane Flyway (SCF) News and other newsletters and scientific journals and books.	2
		AF	SFA	AF: Support the environmental and conservation education along migration routes of cranes and waterbirds.	2
		IN	ICWWG	IN: Resume promotion of Siberian Crane information through print and electronic media.	3
		KZ	SNRs	KZ: 1) Continue cooperate with mass-media in Kostanay Region. 2) Continue publish information about Siberian Cranes in newsletters.	2
		PK	PWP, ICF KPK WLD	PK: 1) Continue awareness raising activities with a focus on cranes. 2) Coordinate with ICF on improvement of the Education Facility at Lakki Crane Center for educating crane hunters and keepers.	1

Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
5.1. Share information on the Siberian Crane conservation efforts	a) Publicize information on the Siberian Crane conservation efforts in mass media, public and scientific magazines.	RU, UZ	CWGE, UzcWG	RU, UZ: Continue to publicize information on the Siberian Crane conservation efforts in mass media, public and scientific magazines.	1
		TU	MNR	TU: Continue to publish information about Siberian Cranes in national mass media.	1
	b) Produce and share education and information materials on the Siberian Crane and wetlands	ICF, SCFC	All Range States-CP	ICF, SCFC: Continue to provide the range states with awareness materials especially for the Crane Celebrations, if funds are available.	1
		All Range States-CP	ICF, SCFC	All Range States-CP: Share educational and awareness materials with other range states.	1
		KZ	WCASN	KZ: Produce information materials for hunters within WCASN activity.	2
		PK	WCASN, PWP	PK: 1) Continue the activities and also raise awareness regarding WCASN sites. 2) Continue targeted education efforts in key areas of crane hunting.	1 1
		RU	ARRINP, SF, CWGE	RU: 1) Create a film about cranes. 2) Continue produce and distribute education materials such as booklets, leaflets, pins, stickers.	2 2
		TU	CWGE	TU: Distribute information about the Siberian Crane to daikhan's communities, especially, in the regions where WCASN nominated sites are located.	1
		UZ	UzcWG, Gosbiokontrol	UZ: 1) Continue to produce and distribute education materials such as booklet «Important areas for cranes in Uzbekistan». 2) Publish calendar with Siberian Crane pictures. 3) Create short video for demonstration on TV.	1 2 2
		5.2. Community involvement	a) Develop education and information programmes and public events for target groups of local people (especially hunters) on protection of the Siberian Crane and its habitat.	CBCC	IN, PK
		IN	MoEF	IN: Promote the identification and establishment of wetland community reserves and conservation reserves in the historical wintering range of the Siberian Crane with the involvement of NGOs and stakeholders.	2
		KZ	SNRs, NGOs, KSPI, Turgai-Irgiz Reserve, Barca-Kelmes SNR	KZ: 1) Continue organise traditional Crane Celebration and "Migratory Bird Day". 2) Expand this activity on Turgai-Irgiz and Delta Syr-Darya areas through involvement of Turgai-Irgiz Reserve and Barsa-Kelmes SNR.	1
		PK	KPK WLD, PWP, WWF-Pakistan	PK: 1) Conduct public awareness and education programmes (crane pairs from CBCC for Kurram Valley) 2) Maintain a crane exhibit and hunters education at Lakki Crane Center; 3) Hold a crane hunters gathering and competition in captive crane breeding at Lakki Crane Center. 4) Involve communities in effective management of WCASN sites.	1 1 1 1

Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority		
5.2. Community involvement	a) Develop education and information programmes and public events for target groups of local people (especially hunters) on protection of the Siberian Crane and its habitat.	RU	ARRINP, CWGE	RU: 1) Continue the education programme "Siberian Crane in a Suitcase". 2) Continue organising "Crane Celebration" widely.	1		
		TU	MNR, SCFC	TU: 1) Organise Crane Celebration in Tallymerjen & Kelif-Zeyit site, which is proposed for inclusion to WCASN. Organise nomination ceremony, if this site is designated as a WCASN site. 2) Organise meeting with hunters of Hunting and Fishing Society of Turkmenistan regarding crane conservation. 3) Raise awareness on importance of protection of wetland areas for cranes in Amudaria Valey.	1 1 1		
		UZ	SCFC, CWGE, UzCWG	UZ: 1) Organise Crane Celebration in the Tashkent Zoo to attract attention of visitors and mass media to the problem of protection of critically endangered species and their habitats along the Central Flyway. 2) Organise Crane Celebrations at universities to share information about the Siberian Crane and its habitats among local people. 3) Involve rangers, hunters and border guards in the Eurasian Crane monitoring and counts along the Siberian Crane flyway in the future. 4) Support and develop information network of local people for crane observations and monitoring of wetlands important to Siberian Cranes and other waterbirds. 5) Improve public awareness of wetlands important to Siberian Cranes and other waterbirds.	2 2 2 2 2		
				IN	KGNP, MoEF, Government of India	IN: Approach Indian Government to explore possibility of creating a semi-captive Siberian Crane exhibit at the Keoladeo Ghana National Park.	3
				KZ	KSPI	KZ: Continue development of student club of birdwatchers.	1
				PK	CBCC	PK: Collaborate with CBCC to provide crane pairs of various species for public education and information.	2
				AF	SFA	AF: Develop livelihood projects to reduce risks to wildlife especially in migration routes.	2
		5.3. Sustainable livelihood opportunities	Initiate and facilitate sustainable livelihood projects for local communities	IN	MoEF	IN: Explore new approaches for alternative livelihood for communities dependent on wetland resources.	?
				KZ	Naurzum SNR	KZ: Develop infrastructure of ecological tourism in Naurzum.	3
	PK			PWP, CBCC KPK WLD PWP ICF	PK: 1) KPK WLD to extend the scope of Lakki Crane Center with funding from the provincial government; 2) Support the KPK WLD in improvement and enhancement of the Lakki Crane Center by ICF and PWP.	1 1	
RU					Kunovat Wildlife Refuge	RU: Hire people from local community for protection of WCASN sites.	2

Objective VI: Enhance national and international cooperation and information exchange						
Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority	
6.1. Improve national and international cooperation and information exchange	a) Designate a national lead agency responsible for coordinating the Siberian Crane conservation and management policy	CMS, SCFC	All Range States-CP	CMS, SCFC: Maintain and update focal point list regularly.	2	
		All Range States-CP	CMS	All Range States-CP: 1) Identify technical and administrative focal points. 2) Inform CMS Secretariat of any changes in responsibilities.	2	
					2	
	b) Collaborate and conduct international research and monitoring	CMS			CMS: Call attention to the importance of conserving Siberian Cranes and their habitats over their entire range, at relevant international conferences.	1
		ICF, WI	CMS, UNEP, GEF		ICF, WI: Develop WC Asia GEF proposal with ICF and CMS, in close consultation with partners with a focus on key WCASN and other internationally important migratory waterbird sites.	1
		All Range States-CP, SCFC	CWGE, WI, CAF		All Range States-CP, SCFC: Strengthen a network for monitoring migrating cranes in collaboration with network sites and other important sites.	1
		IN	ICF, WI		IN: Explore the possibility of joining the new GEF proposal being developed by ICF & Wetlands International.	
		KZ, RU, TU, UZ	CWGE, SCFC		KZ, RU, TU, UZ: 1) Establish a network for monitoring migrating cranes in collaboration with network sites and other important sites. 2) Attend the CWGE Scientific Conference "Cranes of Palearctic: Biology, Conservation, Management (in memory of Academician P.S. Pallas)" in Volgograd, Russia, in October 2011. 3) Participate in CWGE activities.	2 2
		KZ	RU, UZ, SF		KZ: 1) Cooperate with Russia and Uzbekistan in implementation of Flight of Hope Project. 2) Organise monitoring of migratory Eurasian Cranes in places of their mass concentrations within the frame of the Siberian Crane reintroduction programme.	2 1
		RU	UZ, KZ, SF, OCBC		RU: 1) Collaborate with Kazakhstan colleagues within the framework of Flight of Hope Project, including field research of a stretch of migration route across the Kazakhstan part of the Kyzyl Kum desert. 2) Conduct expert exchange visits on sites and collaborative projects. 3) Consider possibilities to provide captive-bred Siberian Cranes for education and further releases upon requests from range states.	1 2 2
TM	AF, IR, UZ		TM: Conduct monitoring on wintering Eurasian Cranes and, probably, Siberian Cranes, at transboundary territories with Afghanistan, Iran and Uzbekistan.	2		

Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
6.1. Improve national and international cooperation and information exchange	b) Collaborate and conduct international research and monitoring	UZ	RU, TU	<p>UZ: 1) Continue research along the Siberian Crane Central Flyway through monitoring of the Eurasian Cranes in cooperation with Turkmenistan.</p> <p>2) Conduct research on adaptation of Siberian Cranes to ecological condition in Ecological Center "Jeiran" in cooperation with Russia.</p> <p>3) Investigate Tudakul Reservoir for preparation SIS for inclusion in Ramsar List (Siberian Crane was sighted not far from Tudakul in 2007)</p> <p>4) Conduct investigation of Eurasian Crane wintering grounds in cooperation with Afghanistan.</p>	2 2 2 2
	c) Provide central coordination of information exchange through SCFC and regional database / GIS on the Siberian Crane and its sites	SCFC	ICF, CMS	SCFC: Continue to collect and share information. Update SCFC website and establish Russian version of the website. Continue to update Siberian Crane database.	1
		All Range States-CP	SCFC	All Range States-CP: Provide information to SCFC for publication in newsletters.	1
		RU	SCFC	RU: Timely exchange information on migration dates and directions.	1
	d) Submit an annual report on implementation of the Siberian Crane MOU to the UNEP/CMS Secretariat	CMS, ICF, SCFC	All Range States-CP	<p>CMS, ICF, SCFC: 1) Compile and distribute CMS MOS7 report, including revised Conservation Plans for three populations with limited number of hard copies. Send hard copies to governmental agencies of range states. Upload publication on CMS website.</p> <p>2) Create template and database for electronic online reporting and upload them to CMS website. Request additional information from countries and upload country reports to CMS website, as appropriate.</p>	1
CMS		ICF	CMS: Produce executive summary of priorities and send to national governments requesting support. Range States will be sent draft to review and provide clarification or details.	1	
SCFC		CMC, ICF, All Range States-CP	SCFC: Update national report format according to comments from range states.	1	
All Range States-CP		CMS, ICF, SCFC	All Range States-CP: 1) Review and give technical input to the conservation plan-CP.	1	
			2) Provide comments on national report format. 3) Provide comments on executive summary of priorities. 4) Submit an annual report on implementation of the Siberian Crane MOU to the UNEP/CMS Secretariat.	1 1 1	
e) Host and/or attend regular meetings of the Siberian Crane Range States	CMS, ICF	All Range States-CP, WI, CBCC, Birdlife International	<p>CMS, ICF: 1) Identify host country for MOS8.</p> <p>2) Work with host country of MOS8 to ensure that the meeting is financially secure.</p> <p>3) Liaise with other potential co-operating organisations as appropriate that signal their interest to sign the MOU.</p> <p>4) Contact Birdlife International as possible participant and signatory to MOU.</p>	1 1 1 2	

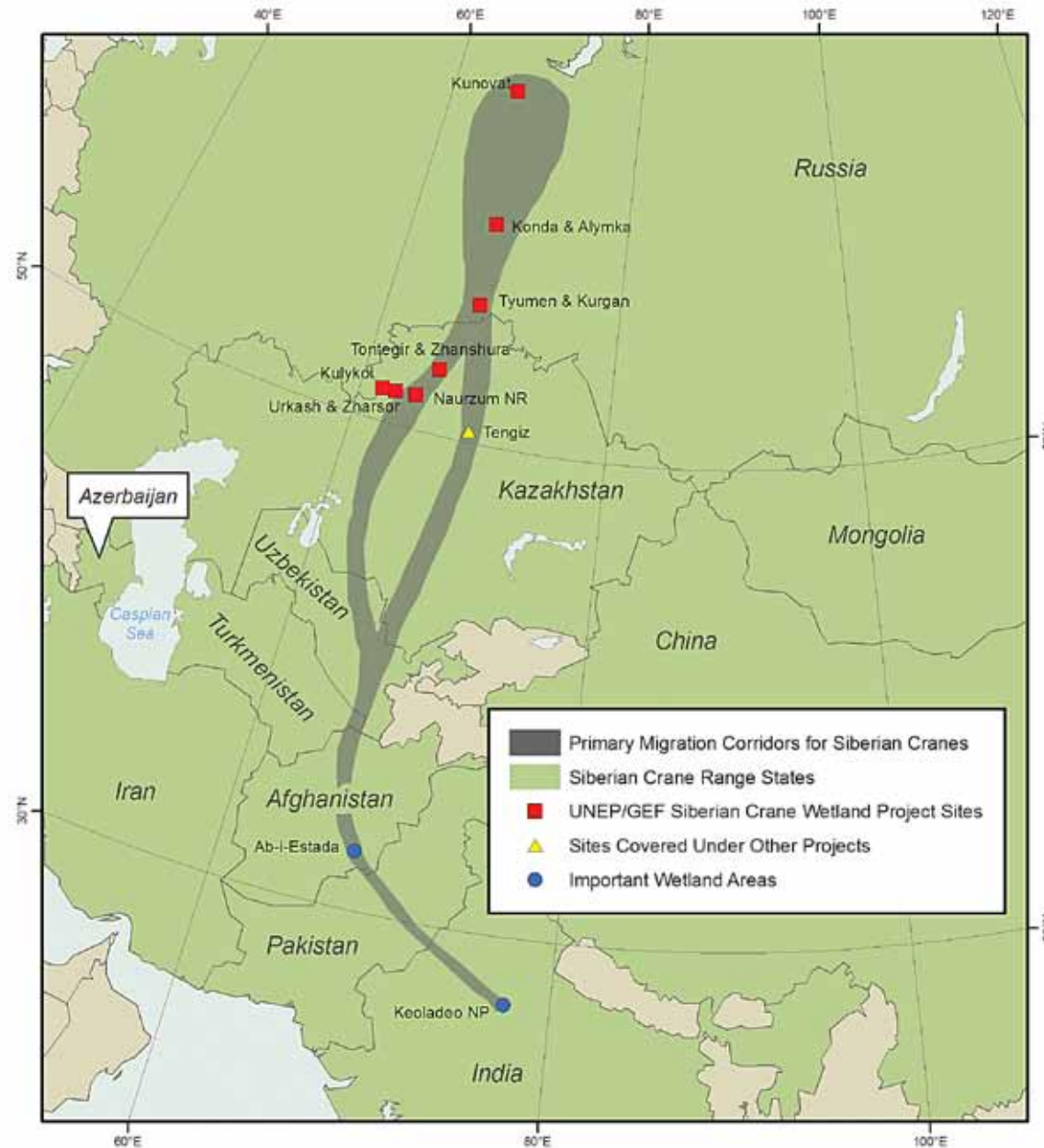
Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority	
6.1. Improve national and international cooperation and information exchange	e) Host and/or attend regular meetings of the Siberian Crane Range States	All Range States-CP	CMS, ICF	All Range States-CP: Принимать у себя и/или участвовать в регулярных совещаниях Государств ареала, проводимых в рамках выполнения Меморандума.	1	
6.2. Development of the Western/ Central Asia Site Network for the Siberian Crane and other waterbirds	a) Promote further specific activities	AF, KZ, PK, RU, UZ	ICF, SCFC	AF, KZ, PK, RU, UZ: Implement Project on Crane Hunting Mitigation in Asia supported by ICF through MBZ Species Conservation Fund at WCASN sites.	1	
		KZ, PK, TU, UZ	ICF, SCFC	KZ, PK, TU, UZ: Implement WCASN Action Plan for 2010-2012.	1	
		IN	MoEF	IN: Formalize nomination of Etawah-Mainpuri site in WCASN.	1	
		KZ	SCFC, CMS	KZ: Nominate three more sites for the inclusion in WCASN: q) Sarykopa Lake System is wildlife refuge. There is plan to include it to «Altyn-Dala» SNR in 2011-2012; b) Turgay-Irgiz Lake System. Some of these lakes are located within Turgay WR and others are included in Irgiz-Turgay Reservat; c) Tengiz-Kurgaljino Lake System within Kurgaljninskiy SNR.	1	
		PK	SCFC, PWP	PK: Involve communities in effective management of WCASN sites.	2	
		RU	SCFC, MNRE	RU: Work on nomination into WCASN of sites proposed by Russian Federation (Belozerskiy and Kunovatskiy).	1	
		TU	MNR, SCFC	TU: Work on nomination of Tallymerjen & Kelif-Zeyit site to WCASN.	1	
		UZ	SCFC, CMS, Gosbiocontrol, Institute of Zoology AS RUZ	UZ: Nominate Talimarjan site in WCASN.	1	
		b) Coordinate with Central Asian Flyway initiative on site network development	WI	CMS, KZ, RU	WI: Work closely with CMS to finalize the institutionalization of the CAF Action Plan in collaboration with Range States and partners to enable its early implementation including development of the CAF site network.	2
			All Range States-CP:	CMS, CAF, ICF, AEWA	All Range States-CP: 1) Cooperate with CAF on development of Species Action Plans, Western/Central Asian Site Network for Siberian Cranes and other Migratory Waterbirds (WCASN), hunting and harvesting. 2) Cooperate with AEWA on protected areas management in Western and Central Asia, encouragement for countries to join AEWA, promote sustainable hunting, and participate in World Migratory Bird Day.	2 2
RU, TU, UZ	Wetlands International		RU, TU, UZ: Participate in creation of CAF sites.	3		

Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
6.3 Support Siberian Crane conservation activities through the East Asian – Australasian Flyway Partnership	Collaborate with the Crane and Stork Working Group of the EAAP to integrate Siberian Crane conservation with flyway level activities for migratory waterbirds in the annual Partnership workplans	All Range States-CP	CMS	All Range States-CP: Attend NEACWG and EAAFP meeting for representation of ICF and CMS. Develop paper on partnership opportunities.	3
6.4. Capacity building	Determine country's needs, in terms of human resources, knowledge and facilities, in order to build capacity to strengthen conservation measures for the Siberian Crane and its habitats	CMS, ICF	SCFC	CMS, ICF: Participate in related international workshops and conferences.	2
		ICF:		ICF: Provide technical support to Range States including ordering and data management of PTTs.	
		WI	AEWA, WOW	WI: Promote use of the WOW Flyway Training Kit to build national and local capacity for waterbirds and wetland management in Central and Western Asia with WOW Partners and others.	2
		AF	SFA	AF: 1) Plan to provide training facilities for Afghan experts at the international level. 2) Consider capacity building and training in all major component of environment through Environmental Protection Strategy. Provide specific training in these issues.	2
		IN	Wildlife Institute of India, KGNP, MoEF	IN: 1) The Wildlife Institute of India will conduct Masters programme, Diploma and Certificate Course in Wildlife Management in which capacity building components are included. Similar workshops and seminars will be also organized by BNHS, SACON and WWF-India. 2) Explore prospect of expanding WCASN site managers exchange programme to other Siberian Crane sites in the Central Flyway region. 3) Continue to conduct trainings on day to day monitoring activities and satellite wetland monitoring for the surrounding village communities.	1
KZ	ГКЛОХ, Наурзумский ГПЗ, НПО, КГПИ, Институт зоологии АН РК	KZ: 1) National possibilities are insufficient: (i) national foundation/sponsors organizations which would support NGO are absent; (ii) existent governmental grant programs (social order) realized through Regional Akymats supports only socially significant projects (iii) Kazakhstan has very few experts-ornithologists, therefore, for example, for implementation of a project on IBAs Russian colleagues were invited for help. 2) To strengthen measures on conservation of the Siberian Crane and its habitats it is first necessary to provide support to the initiative groups/NGO in realization of projects focused on specific sites (for example, a pilot project on zoning of lakes). 3) All measures on reintroduction/increasing number of the Siberian Crane of west/central population make sense and can be realized only in close cooperation with the Russian side and other countries in the region. A long-term program must be prepared, which includes scientific aspects (such as influence of climatic changes on hydrological regime of lakes and habitats of the Siberian Crane). Funding should be actively sought.	1		

Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
6.4. Capacity building	Determine country's needs, in terms of human resources, knowledge and facilities, in order to build capacity to strengthen conservation measures for the Siberian Crane and its habitats	PK	PWP, CBCC, MoE/NCCW, ICF, WWF-Pakistan	PK: 1) Assess needs of an integrated crane conservation programme and search donor assistance for the proposed programme collaboration between PWP/WWF Pakistan and ICF. 2) Improve capacity of local hunters on captive breeding and health management to reduce hunting pressure. 3) Conduct a training need assessment to explore possibilities for implementation of its suggested trainings in wetland and crane conservation; 4) Organise training for Pakistani biologists at a suitable crane facility such as CBCC in crane and wetland conservation in collaboration with CBCC.	1 1 1 1
		RU	ARRINP	RU: Provide training seminars for different groups of administrative people for supporting conservation of the Siberian Crane and its habitats, training courses for capacity building within the framework of Flight of Hope Project.	3
		TU	MNR, AS of TU	TU: Find relevant human resources to build capacity to strengthen conservation measures for the Siberian Crane.	2
		UZ	RU, Gosbiocontrol, UzCWG	UZ: 1) Organise seminars for staff of different state administrative agencies to get their administrative support for protection of the Siberian Crane and other waterbirds. 2) Organise seminars for different groups of people, including border guards, hunters, rangers, farmers, workers of pump station, and the machine operators and others, to support conservation of the Eurasian Crane and its habitats at wintering grounds. 3) Organise training courses for capacity building within the framework of Flight of Hope Project.	2 2 2
6.5. Raise funds to support a comprehensive conservation programme supporting MOU implementation	a) Develop comprehensive project proposal(s) to submit to appropriate agencies for possible funding	CMS	ICF, All Range States-CP, UNEP	CMS: 1) Set up mechanisms for countries to contribute funds dedicated to the Siberian Crane conservation. 2) Request UN Foundation to consider support of Siberian Crane conservation through UNEP/CMS.	1 1
		ICF	CBCC, All Range States-CP	ICF: 1) Seek funds through CBCC to support continuation of SCFC position for at least one year. 2) Support key regional activities.	1 1
		CBCC	OCBC, ICF, SCFC, RU	CBCC: 1) Consider support for travel to build capacity and promote collaboration 2) Help seek funds for SCFC position 3) Continue support to OCBC for releasing birds for reintroduction. 4) Seek support for Flight of Hope Project.	2 1 1 1
		ICF, WI	All Range States-CP	ICF, WI: See support from countries to apply for UNEP/GEF grants for Western/Central Asia.	1
		All Range States	CMS	All Range States: Voluntarily supplement current contributions to the CMS Convention with funds earmarked for the Siberian Crane conservation.	1

Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority	
6.5. Raise funds to support a comprehensive conservation programme supporting MOU implementation	a) Develop comprehensive project proposal(s) to submit to appropriate agencies for possible funding	KZ, TU, UZ	ICF, WI	KZ, TU, UZ: Participate in UNEP/GEF WCA project preparation if it will be approved.	1	
		RU, TU, UZ	UzCWG	RU, TU, UZ: Develop small-scale grant proposal(s) to submit to appropriate agencies for possible funding.	1	
		RU	ITERA, Petroresurs	RU: Get funds from oil companies (ITERA, Petroresurs) for support of the Siberian Crane release in Caspian Region of Russia.	1	
	b) Develop small-scale project proposals to submit to CMS or ICF for their consideration	RU, UZ	ICF, CMS	RU, UZ: Develop small-scale project proposals and seek funding sources.	1	
		TM	ICF, CMS	TM: Apply to CMS and ICF for financial support for survey and monitoring of Eurasian Cranes' migration and wintering in Turkmenistan in the border with Iran and Afghanistan.	1	
		ICF, CMS		ICF, CMS: Provide comments to strengthen proposals and provide letters of support as appropriate.		
	c) Appeal to governments for funding of Siberian Crane conservation activities related to the Siberian Crane MOU		All Range States-CP, ICF		CMS: 1) Provide letters of support for efforts of national agencies and co-operating partners to secure additional funding for MOU-related activities. 2) Continue to coordinate with Friends of CMS to determine what support could be provided to the MOU's implementation in collaboration with ICF.	1
		IN	Government		IN: 1) Continue & explore prospect of specific fund by Government of India for activities proposed in the MOU Conservation Plan for the period 2010-2012.	1
		KZ	FHC		KZ: Improve access to funding through state budget.	1
PK		PWP/ICF/WWF-Pakistan		PK: Continue efforts to develop a proposal on conservation of cranes in Pakistan at national and provincial levels.	1	
RU		MNRE		RU: 1) Continue work with governments for funding of the Siberian Crane conservation activities related to the Siberian Crane MOU. 2) Get financial support from Ministry of Natural Resources and Ecology for maintain OCBC.	1	
	TU	AS of TU		TU: Generate funds within national budget for wetland monitoring (within the frame of scientific research by the National Institute of Deserts, Flora and Fauna of Turkmenistan) for monitoring of Altynasyr wetlands.	1	

Figure 3. Map of Siberian Crane Central Flyway



Map by the International Crane Foundation 2005
 Cartographer: Zoë Rickenbach

Conservation Plan for the Eastern Flyway

Objective I: Reduce mortality							
Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority		
1.1 Determine and monitor prevailing threats of all types to the Siberian Crane and its habitats	a) Assess and monitor threats in the Siberian Crane nesting and wintering grounds and along the migration routes	All Range States-EP	ICF, CMS, WI	All Range States-EP: 1) Work with partners to raise importance of Poyang Lake for the Siberian Crane and other migratory waterbirds in the light of planned dam construction. 2) Continue monitoring of threats through surveys or questionnaire.	1		
					1		
		WI	ICF, CMS, CH, other partners	WI: Coordinate activities under WI Arctic Program with focus on wetland management and through working with the oil and gas industry.	?		
					CH	CH: 1) Continue work with various government sectors to provide water for key wetlands (Zhalong NNR, Momoge NNR) 2) Wildlife Management Organization to negotiate with Land Management Organisation and Agriculture Organisation for the wetlands used by Siberian Cranes. 3) Establish regulations for visitors and diminish disturbance from tourists at Momoge NNR. 4) Conduct projects on community participation to raise the awareness of local people and promote alternative livelihood of local people. 5) Continue to monitor main threats, including reduced water in PAs in Northeast China and construction of proposed dam on Poyang Lake.	1
							1
		MN	Ministry of Mineral Resources and Energy, Saker Falcon Initiative, Energy Authority	MN: Submit proposal on power line standards to Ministry of Mineral Resources and Energy in order to protect birds. Work together with Energy Authority of Mongolia on development of standards for device to repel birds from power lines. Work on this issue in cooperation with Saker Falcon initiative. 2) Incorporate biodiversity conservation issue in local land use plan. Work together with Mining Authority and address issue of crane habitat conservation in area licensed for mining.	1		
					1		
		RU	MNP of the Republic of Sakha, Kytalyk RRR, IBPC SB RAS	RU: 1) Monitor cases of mortality and trauma of rare birds through annual express monitoring by staff of natural protection agencies of the Republic of Sakha (Yakutia). 2) Reduce impact of disturbance in Kytalyk Republic Resource Reserve (RRR) and other protected areas located along the Siberian Crane eastern flyway through development of rules for tourists. 3) Work towards introducing restrictions on spring hunting on waterfowl, which is a cause of disturbance to Siberian Cranes and source of lead pollution in wetlands.	1		
					1		
					1		

Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
1.1 Determine and monitor prevailing threats of all types to the Siberian Crane and its habitats	b) Identify and document best practice protocol for conservation and management of the Siberian Crane to minimize threats to the Siberian Crane and its habitats	CH	SFA	CH: 1) Acknowledge the value of the community projects under UNEP/GEF Siberian Crane Wetlands Project (UNEP/GEF SCWP) and indicated interest to seek funds to continue these activities. 2) Maintain the water level of marshes used by Siberian Cranes, especially in spring and fall at Momoge NNR. 3) Plan and conduct public education and community participatory conservation activities by nature reserve staff. 4) Conduct monitoring activities along the eastern flyway by nature reserve staff.	1 1 1 1
		MN	MSU, Institute of Biology of MAS	MN: Conduct public awareness activities, especially at 2-3 sites where Siberian Cranes were sighted in recent years, with involvement of nature reserve staff, if funds are available.	1
		RU	IBPC SB RAS	RU: Conduct education and public awareness activities through involving local people in the Siberian Crane monitoring and habitat conservation.	2
	c) Determine hunting seasons and best practices in areas used by Siberian Crane	ICF	All Range States-EP	ICF: Finalize hunting strategy, consult with partners, and develop proposals to cover a range of activities over a long period.	1
		CH	SFA	CH: 1) State Forestry Administration (SFA) will conduct special action on the illegal hunting on wild birds according to the situation. 2) Continue actions to control illegal hunting. Get reports on primary results from provincial wildlife management organisations.	2 2
		RU	MNP of the Republic of Sakha, stakeholders	RU: 1) Take special measures against poaching. 2) Work to establish seasonal "no-hunting" zones at the Siberian Crane migration stopovers and/or major areas of migration.	1 1
1.2. Strengthen and improve enforcement of legislation for crane protection	a) Review existing national and local legislation to address gaps or challenges to Siberian Crane conservation.	CH	SFA, Environmental Agency	CH: 1) No further action for Siberian Cranes will be undertaken. Consider including in the list other crane species and waterbirds, which are evaluated as threatened species in recent years. 2) Strengthen the supervision of the execution of related wildlife laws and regulations. 3) Arrange experts group to develop national resource plan (including the Siberian Crane) 4) Conduct national wildlife resources investigation to help funding of habitat protection.	2 2 2 1
		MN	PAA, Governors of Khentii and Dornod Provinces	MN: Add Khurh Khuiten to protected areas (PAs) network on local level and Buir Lake to PAs network on national level.	1
		RU	IBPC SB RAS	RU: Evaluate the necessity of increasing the conservation status of the eastern population of the Siberian Crane in the new edition of the Red Data Book of the Russian Federation.	3

Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
1.2. Strengthen and improve enforcement of legislation for crane protection	b) Ensure effectiveness of law enforcement	CH:	Environmental Agency SFA	CH: 1) Push the issue of the Wetland Law at the national level by SFA. 2) Improve law on wildlife conservation with provisions on wildlife habitat protection 3) Urge the provincial governments of SFA to develop provincial wetland regulations.	1
		MN:	Local forestry departments	MN: 1) Improve law implementing mechanism. Develop more detailed rules, as well raise fine sum. 2) Promote conservation activities by the local community and carry out proper public awareness.	1
		RU	MNET, NGOs	RU: Provide participation of stakeholders and local people in wetlands conservation through improving the capacity and public awareness activities.	2
			IBPC SB RAS		2

Objective II: Monitoring and research

Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
2.1. Monitor and study the Siberian Crane and its habitat	a) Conduct regular monitoring of known areas along the flyway to determine estimated numbers of the Siberian Crane	WI	All Range States-EP, AWC	WI: Promote use of the Asian Waterbirds Census framework for monitoring of the Siberian Crane and other waterbirds and wetlands for the region.	1
		All Range States-EP	SCFC	All Range States-EP: Continue to monitor the Siberian Crane at known areas along the eastern flyway, if funds are available.	2
		CH	NBBC, JWMB	CH: 1) National Bird Banding Center (NBBC) to continue to take the lead of the monitoring waterbirds all over China. 2) Establish a volunteer group for the monitoring migrating Siberian Cranes and other waterbirds in east China. 3) Continue cooperation between NBBC and Jiangxi Wildlife Management Bureau to conduct simultaneous ground survey of Siberian Crane and other waterbirds at wintering grounds at Poyang Lake.	2
		MN	MSU, Institute of Biology MAS	MN: Implement a small research project on biology and ecology of the Siberian Crane in cooperation with scientists from China and Russia.	2
		RU	IBPS SD RAS	RU: Support and improve the existing monitoring system of the Siberian Crane and its habitats monitoring through scientific and applied research and volunteers' involvement.	1

Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
2.1. Monitor and study the Siberian Crane and its habitat	b) Determine new migration stopovers, wintering areas, as well as summering areas of Siberian Cranes through satellite or radio tracking, questionnaires, surveys, and other methods and investigate them	SCFC, ICF	All Range States-EP	SCFC, ICF: Immediately share received information among Range States through e-mail list and website.	1
		All Range States-EP	SCFC	All Range States-EP: Continue to check all reported sightings of the Siberian Crane.	1
		CH	ICF, related organisations and funds	CH: 1) Continue scientific research on the Siberian Crane to determine new wintering sites at Poyang Lake, if research funds will be available.	2
			Local wildlife management agencies	2) Establish volunteer groups for the monitoring of the Siberian Crane and other waterbirds along the flyway to determine new migration stopovers.	2
				3) Arrange the NBBC staff or request local people to check sites where information about Siberian Crane sightings is received, if funds will be available.	2
		MN	PAAAs, MSU, Institute of Biology MAS, NGOs	MN: 1) Combine and share all data about Siberian Crane numbers and habitats; get information from tourism birdwatcher companies for determination of new Siberian Crane summering sites.	1
				2) Conduct training on monitoring and data collection methods for local communities and local rangers who live near crane habitat areas and confirmed sites of Siberian Cranes.	2
				3) Improve information gathering mechanism through the mobile phone transmitters as mobile connection is established for 80% of the Siberian Crane habitats.	1
				4) Continue to survey areas where Siberian Cranes are sighted.	1
			RU	RU: Continue to conduct the questionnaire among staff of protected areas and local people at the Siberian Crane breeding grounds and along the flyway.	1
d) Conduct ecological studies of the Siberian Crane in your country	All Range States-EP	MCOП	All Range States-EP: Note publication by Dr. Carey Krajewski proposing the Siberian Crane be listed in its own genus as (<i>Leucogeranus leucogeranus</i>). This emphasizes the taxonomic uniqueness and ancient lineage of the Siberian Crane. Work with IUCN Crane Specialist Group to confirm official change of genus.	3	
	ICF	CH	ICF: Continue collaboration with Chinese colleagues on ecological studies and environmental management at Poyang Lake.	2	
	CH	NBBC, NR Momoge	CH: Study of population dynamics and habitat requirements by NBBC at Momoge NNR, which is the most important staging area for the Siberian Crane during migratory seasons.	2	
	RU	IBPC SB RAS	RU: 1) Continue to study population ecology of the Siberian Crane, especially transformation of its habitats. 2) Continue to study interspecies relations of the Siberian and Sandhill Cranes.	2 3	

Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
2.2. Maintain national database on the Siberian Crane and its habitats	Regularly contribute to and maintain the regional database, and extend it to cover all Range States	ICF, SCFC	All Range States-EP	ICF, SCFC: Maintain database and explore options to go on-line and link more effectively with databases under other initiatives.	1
		All Range States-EP	SCFC	All Range States-EP: Provide information on Siberian Crane sightings and all activities along Eastern Flyway to SCFC for inclusion in regional database.	1
		CH	Local wildlife management agencies and related NNRs, NEACWG	CH: 1) Coordinate continued monitoring (by NBBC on behalf of the SFA) along the Siberian Crane flyway in China and maintain the existing GIS management systems.	2
				2) Maintain on-line Chinese language national monitoring database. Access to national database will be provided to other countries (most information will be in Chinese language).	2
				3) Share data with the regional database. Need to address language problems for NNR staff. Support efforts to make regional database on-line.	2
		RU	SCFC	RU: Continue to add data to the republic database as well as information exchange with ICF, other range states and interested organisations through SCFC.	2
2.3. Promote or take into account avian influenza surveillance at important crane sites	a) Collaborate with, and complement activities of other agencies to strengthen sample collection for surveillance of avian influenza in migratory waterbirds at network sites and other important crane sites.	CH	SFA, Ministry of Agriculture, Ministry of Health	CH: Cooperate actively with the Ministry of Agriculture and Ministry of Health, to jointly negotiate with the National Development and Reform Commission to push the wildlife-derived infectious disease surveillance plan incorporated into the national plan. If the plan is approved, it would put avian influenza surveillance into the regular business around the whole China	2
		MN	MSU, Institute of Biology MAS, NGOs	MN: Continue to monitor avian flu, share information and deliver research output.	2
		RU	IBPC SO RAS	RU: Continue cooperation with lead Russian scientific organisations as well as United State Fish and Wildlife Service (USFWS) on monitoring of avian influenza.	2
2.4. Evaluate efficacy and application of research/monitoring	a) Review and evaluate research and monitoring activities for their efficacy	CH	NBBC and JWMB	CH: Use research results for the evaluation of the dam construction project at Poyang Lake.	1
		RU	IBPC SB RAS	RU: Provide regular scientific reporting and give recommendations on Siberian Crane conservation on the basis of scientific and applied research on breeding grounds and along flyways.	1
	b) Apply monitoring and research results to improve management practices and mitigation of threats to the Siberian Crane	MN	Institute of Biology MAS, Mongolian State University	MN: 1) Identify important staging and summering sites through the monitoring results. 2) Implement determined conservation measures for the Siberian Crane and its habitats.	1 1
		RU	IBPC SB RAS	RU: Prepare article for the new edition of the Red Data Book of the Republic of Sakha (Yakutia) to indicate results of the Siberian Crane research and conservation in the republic.	2

Objective III: Increase numbers and genetic diversity					
Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
3.1. Promote recovery of the Siberian Crane populations	a) Produce eggs and chicks of Siberian Cranes for release programmes	All Range States-EP		All Range States-EP: Not applicable.	
	b) Restore Siberian Crane populations through release programmes	All Range States-EP		All Range States-EP: Not applicable.	
	c) Monitor Siberian Cranes released into the wild	All Range States-EP		All Range States-EP: Not applicable.	
	d) Conduct genetic studies to manage the genetic diversity of wild and captive populations	CH	China Zoo Association IBPC SO RAS, OCBC	CH: Continue genetic studies for captive hatched chicks in zoos and wild Siberian Crane which are injured and kept at Chinese zoos. RU: Participate in genetic studies for creation of a genetic database of the captive population in Russia.	3 3
3.2. Develop safe migration routes for Siberian Cranes based on those used by Eurasian Cranes	a) Identify and survey relatively safe habitats of the Eurasian Crane population - one that frequents ecologically suitable areas on the breeding grounds, along the migration route and on the wintering grounds - into which Siberian cranes could be (re)introduced	All Range States-EP		All Range States-EP: Not applicable.	
	b) Determine migration routes and wintering sites of various populations of the Eurasian Crane within the current and former range of the Siberian Crane populations through satellite or radio tracking, questionnaires, surveys, and other methods	All Range States-EP		All Range States-EP: Not applicable.	
	c) Develop safe optimal migration routes for Siberian Cranes using migration routes of Eurasian Cranes.	All Range States-EP		All Range States-EP: Not applicable.	

Objective IV: Protect and manage habitats of importance for the Siberian Crane					
Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
4.1. Protect and manage habitats of importance for the Siberian Crane	4.1. Protect and manage habitats of importance for the Siberian Crane	CH	SFA, Liaoning Forestry Department	CH: 1) Continue to work on establishing national nature reserve in Wolong Provincial Nature Reserve in Liaoning Province. The approval is expected in a couple of years. 2) Carry out monitoring activities and cooperation with local wildlife management organisation.	2 2
	b) Secure protection through collaboration with local communities and/or legal measures for inadequately protected or newly identified areas of importance for the Siberian Crane	CH	Interested funds NEACSN, MNET, Governors of Khentii and Dornod Provinces, TNC or WCS MNP of the Republic of Sakha, IBPC SB RAS	CH: Continue to operate the community co-management committees with financial support from outside sources. MN: Work together with agricultural companies and local governors in order to designate one wetland area in Eastern Mongolia where Siberian Cranes were observed. Develop draft proposal to include this wetland area into international network of Important Bird Areas (IBAs), EAAP Site Network Site, and Ramsar Convention List of Important Wetlands. RU: Participate in improving of the protected area system and Siberian Crane conservation in the areas of large economic project implementation.	2 1 1
		MN			
		RU			
	c) Develop management plans for Siberian Crane sites	CH	Related NNRs MNET, Governors of Khentii and Dornod Provinces MNP of the Republic of Sakha, IBPC SB RAS	CH: Put related management plans into operation developed for sites of the UNEP/GEF SCWP, and to monitor and evaluate the efficiency of the plans. MN: Develop management plan based on Ramsar Convention criteria to conduct monitoring of migratory and summering habitats of the Siberian Crane. RU: Provide technical and practical support to administrations of RRRs on Siberian Crane conservation and research according to management plans developed during UNEP/GEF SCWP implementation.	2 2 1
		MN			
RU					
d) Conduct applied research on project sites in support of site management	CH	ICF, JWMB IBPC SB RAS	CH: Apply the ecological relationship research at Poyang Lake NNR to the management and protection of key wintering grounds of the Siberian Crane and other waterbirds. RU: Provide development of applied researches connected with the Siberian Crane conservation in Yakutia.	1 2	
	RU				
e) Monitor and assess the environmental impacts of human development on habitats of importance for the Siberian Crane, including possible impacts of climate change	CH	ICF, JWMB	CH: 1) Chinese scientists to review and evaluate impact of dam construction on wetland ecosystems in Poyang Lake Basin. 2) Continue monitoring of ecological responses of Siberian Cranes to climate change and human activities in wetlands of Momoge NNR, initiated in April 2010, results of which will help mitigate the water needs conflicts between agriculture and waterbirds.	1 1	

Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
4.1. Protect and manage habitats of importance for the Siberian Crane	e) Monitor and assess the environmental impacts of human development on habitats of importance for the Siberian Crane, including possible impacts of climate change.	MN	PAAAs , NGOs, local governors, TNC, WCS	MN: 1) Work together with local herders and conduct public awareness activities with focus on wetlands protection in Eastern Mongolia. 2) Implement a project to add water supply for livestock in Khentii Dornod province.	2 2
		RU	IBPC SB RAS	RU: Monitor Siberian Crane habitats in connection with climate change.	1
	f) Manage buffer zones and external threats for protected areas critical for the Siberian Crane	CH	Related NNRs	CH: Conduct public education activities together with the monitoring of waterbirds along the flyway. Activities can be undertaken especially at the communities in the buffer zones of NNRs	2

Objective V: Increase public awareness and ecological education

Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
5.1. Share information on the Siberian Crane conservation efforts through mass media	a) Publicize information on the Siberian Crane conservation efforts in mass media, public and scientific magazines.	All Range States-EP	SCFC, ICF	All Range States-EP: 1) Continue to publish information about Siberian Crane research, monitoring and conservation in Siberian Crane Flyway (SCF) News and the CWGE Newsletter. 2) Publicize information in CMS bulletin, ICF Bugle, SCF News and other newsletters and scientific journals and books.	2 1
		CH	SFA	CH: 1) SFA will continuously stimulate the related medias to report the information concerning protection of Siberian Cranes and their habitats. 2) Arrange related information of Siberian Cranes in their distribution ranges by SFA taking advantage of the opportunities such as "Love the Bird" week, Wildlife Propaganda Month, Wetland Day, Crane Celebration and Migratory Bird Day.	1 1
		MN	ICF	MN: Produce a short documentary film about the wetland area where Siberian Cranes were observed, and its importance for ecosystem and biodiversity. Film should tell people that the Siberian Crane is the most important component of the wetland area.	2
	b) Produce and share education and information materials on the Siberian Crane and wetlands	ICF, SCFC	All Range States-EP	ICF, SCFC: Continue to provide the range states with awareness materials especially for the Crane Celebration, if funds are available.	2
		All Range States-EP	SCFC, ICF	All Range States-EP: Share educational/awareness materials with other Range States.	2
		CH	NNRs	CH: Continue to use related public awareness books in local schools, and to enlarge the targeted audiences to use these materials.	2

Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
5.2. Community involvement	a) Develop education and information programmes and public events for target groups of local people (especially hunters) on protection of the Siberian Crane and its habitats	CH	SFA, NNRs	CH: 1) SFA will encourage the reserve to conduct the winter and summer camps. 2) SFA will continuously encourage the reserves to hire local farmers to act as guards or patrollers, considering the extensiveness of wetlands. This approach not only will increase their incomes, but also establishes good relationship between nature reserve and local communities.	2 2
		MN	ICF, PAAs, local NGO	MN: 1) Expand public awareness activities on rare cranes and wetlands in cooperation with international projects and programmes. 2) Conduct art competitions at national and international levels, and organise an exhibit of the best artworks. 3) Include an issue on conservation of the Siberian Crane habitats in tourism program to improve public awareness activities among students.	1 2 2
		RU	MNP of the Sakha Republic, IBPC SB RAS, ICF, RRRs, Yakutsk Zoo	RU: 1) Continue campaign against spring hunting on waterfowl among local people and hunting societies based on scientific data. 2) Provide education and public awareness activities as well as involving local communities in Siberian Crane monitoring and research in Kytalyk, Chabda, Kuoluma-Chappanda RRRs and in Momyky Ulus. 3) Support continuation of the international project "Three White Cranes, Two Flyways, One World" in Yakutia. 4) Participate in creation of the Siberian Crane exposition in the zoo of Yakutsk city.	1 1 2 2
	b) Establish and maintain learning/information centers	CH		CH: Carry out activities, which focused on capacity building of the Bird Information Center during SCWP implementation.	2
5.3. Sustainable livelihood opportunities	Initiate and facilitate sustainable livelihood projects for local communities	CH	SFA, NRs	CH: SFA will encourage nature reserves to conduct alternative livelihood projects in order to mitigate the impact of humans to wetlands.	2
		RU	IBPC SB RAS, RRRs	RU: Support projects of re-acclimatization of musk-ox in tundra zone including the Siberian Crane habitats	2

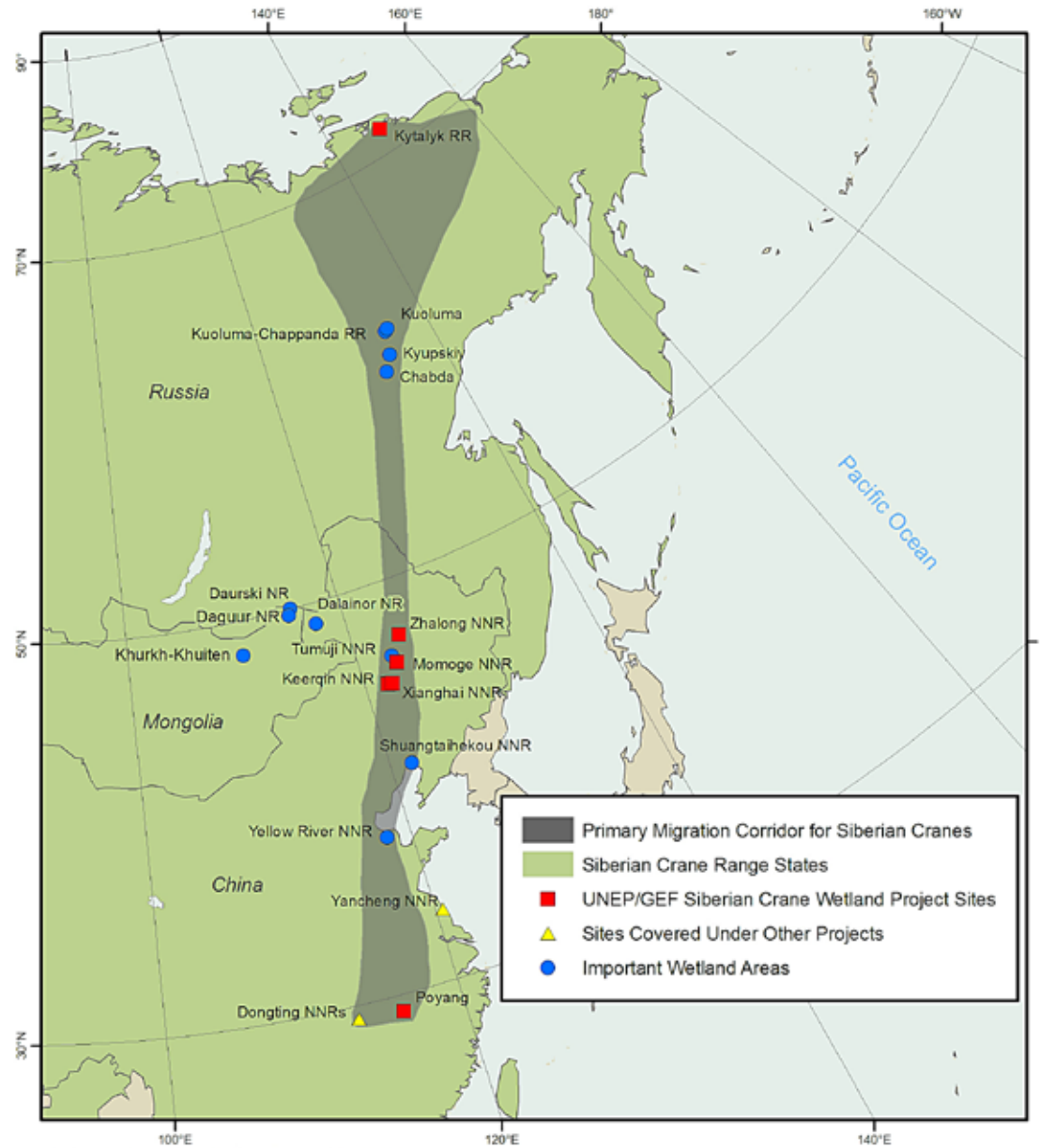
Objective VI: Enhance national and international cooperation and information exchange					
Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
6.1. Improve national and international cooperation and information exchange	a) Designate a national lead agency responsible for coordinating the Siberian Crane conservation and management policy	CMS, SCFC All Range States-EP	All Range States-EP CMS	CMS, SCFC: Maintain and update focal point list regularly. All Range States-EP: 1) Identify technical and administrative focal points. 2) Inform CMS Secretariat of any changes in responsibilities.	2 1 1
	b) Collaborate and conduct international research and monitoring	CMS	CH, SFA NEACWG NEACWG, NBBC NEACWG, CH, RU NEACWG, CWGE	CMS: Call attention to the importance of conserving Siberian Cranes and their habitats over their entire range, at relevant international conferences.	1
		ICF		ICF: Develop UNEP/GEF grant proposal for East Asia. Work with SFA China to submit this grant proposal to UNEP.	1
		SCFC, All Range States-EP		SCFC, All Range States-EP: Strengthen a network for monitoring migrating cranes in collaboration with network sites and other important sites in East Asia.	1
CH		CH: Under the mechanism of NEACWG, NBBC will participate and encourage nature reserves to join the international research, especially for the monitoring of the Siberian Crane and other important waterbirds.		2	
MN		MN: Implement a research project on ecology and biology of the Siberian Crane in cooperation with Russia and China.		2	
RU		RU: 1) Attend the International Scientific Conference "Cranes of Palearctic: Biology, Conservation, Management (in memory of Academician P.S. Pallas)" organised by CWGE in Volgograd in October 2011. 2) Participate in NEACWG activities. 3) Participate in CWGE activities.		1 1 1	
c) Provide central coordination of information exchange through SCFC and regional database / GIS on the Siberian Crane and its sites	SCFC	All Range States-EP	CMS, ICF, All Range States-EP	SCFC: 1) Continue to collect and share information. 2) Update SCFC website and establish Russian version of the website.	1
	All Range States-EP		SCFC, ICF, NEACWG	All Range States-EP: 1) Continue to provide information to SCFC. 2) Share information also under the mechanism of NEACWG.	1 1
d) Submit an annual report on implementation of the Siberian Crane MOU to the UNEP/ CMS Secretariat	CMS, ICF, SCFC	All Range States-EP	All Range States-EP	CMS, ICF, SCFC: 1) Compile and distribute CMS MOS7 report, including revised Conservation Plans for three populations with limited number of hard copies. Send hard copies to governmental agencies of range states. Upload publication on CMS website.	1
				2) Create template and database for electronic online reporting and upload them to CMS website. Request additional information from countries and upload country reports to CMS website, as appropriate.	1

Programme	Activity	All Range States-EP	SCFC, ICF, NEACWG	Future Specific Activities for 2010-2012	Priority
6.1. Improve national and international cooperation and information exchange	d) Submit an annual report on implementation of the Siberian Crane MOU to the UNEP/CMS Secretariat	CMS	ICF	CMS: Produce executive summary of priorities and send to national governments requesting support. Range States will be sent draft to review and provide clarification or details.	1
		SCFC	CMS, ICF, All Range States-EP	SCFC: Update national report format according to comments from range states.	1
		All Range States-EP	CMS, ICF	All Range States-EP: 1) Review and give technical input to the Conservation Plan-EP. 2) Provide comments on national report format. 3) Provide comments on executive summary of priorities. 4) Submit an annual report on implementation of the Siberian Crane MOU to the UNEP/CMS Secretariat.	1 1 1
	e) Host and attend regular meetings of the Siberian Crane Range States	CMS, ICF	All Range States-EP, WI, CBCC	CMS, ICF: 1) Identify host country for MOS8. 2) Work with host country of MOS8 to ensure that the meeting is financially secure. 3) Liaise with other potential co-operating organisations as appropriate that indicate their interest to sign the MOU. 4) Contact Birdlife International as possible participant and signatory to MOU.	1 1 1 2
		All Range States-EP CH	CMS CMS, SFA	All Range States-EP: Host and/or attend CMS MOU regular meetings. CH: Confirm with the government China's possible interest to host MOS8 in coordination with scientific meeting, focusing on accomplishments of SCWP and importance of Poyang Lake, and inform CMC as soon as possible.	1 1
6.2. Development of the Western/Central Asia Site Network for the Siberian Crane and other waterbirds	a) Further specific activities on WCASN development	All Range States-EP		All Range States-EP: Not applicable.	
	b) Coordinate with Central Asian Flyway initiative on site network development	All Range States-EP		All Range States-EP: Not applicable.	
6.3 Support Siberian Crane conservation activities through the East Asian – Australasian Flyway Partnership	Collaborate with the Crane and Stork Working Group of the EAAP to integrate Siberian Crane conservation with flyway level activities for migratory waterbirds in the annual Partnership workplans	WI	EAAFP, CMS, ICF	WI: Strengthen conservation activities in East Asia through the framework of the EAAFP and EAAF Site Network through development of a regional project and related activities at important sites for the Siberian Crane and other migratory waterbirds.	2
		ICF, CMS	NEACWG, EAAFP	ICF, CMS: Attend NEACWG and EAAFP meeting for representation of ICF and CMS. Develop partnership opportunities.	2
		All Range States-EP	NEACWG, EAAFP	All Range States-EP: Convene a meeting of a Siberian Crane Sub-group linked to the EAAF Site Network or EAAFP to coordinate activities between China Mongolia, and Eastern Russia to implement MOU.	2

Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
6.3 Support Siberian Crane conservation activities through the East Asian – Australasian Flyway Partnership	Collaborate with the Crane and Stork Working Group of the EAAP to integrate Siberian Crane conservation with flyway level activities for migratory waterbirds in the annual Partnership workplans	CH	SFA, NEACWG, EAAFP	CH: 1) Encourage more nature reserves to be involved in the East Asian – Australasian Flyway Partnership. 2) Collaborate in protection of network sites, especially Poyang Lake, Zhalong, Xianghai.	1 1
		RU	MNRE, NEACWG	RU: Reconfirm Kytalyk RRR and Dauriski SNR as network sites of NEACSN.	3
6.4. Capacity building	Determine country's needs, in terms of human resources, knowledge and facilities, in order to build capacity to strengthen conservation measures for the Siberian Crane and its habitats	CMS, ICF	SCFC	CMS, ICF: Participate in related international workshops and conferences.	2
		CH	NEACWG	CH: 1) Increase investments for protection and management of wetlands and waterbirds by government agencies at national, provincial and local levels to strengthen the capacity of nature reserves. 2) Plan training courses under the mechanism of NEACWG to improve the conservation status of cranes in east Asia.	1 2
		MN	PAAAs, local Governors	MN: 1) Identify and train specialists who will work on survey and monitoring of the Siberian Crane. 2) Implement a small project on training for local community and rangers in monitoring and data collection methods of water birds, Siberian and other crane species, and their distribution.	1 1
6.5. Raise funds to support a comprehensive conservation programme supporting MOU implementation	a) Develop comprehensive project proposal(s) to submit to appropriate agencies for possible funding	CMS	ICF, All Range States-EP, UNEP	CMS: 1) Set up mechanisms for countries to contribute funds dedicated to the Siberian Crane conservation. 2) Request UN Foundation to consider support of Siberian Crane conservation through UNEP/CMS.	1 1
		ICF	CBCC, All Range States-EP	ICF: 1) Seek funds through CBCC to support continuation of SCFC position. 2) Support key regional activities.	1 1
		CBCC	OCBC	CBCC: 1) Consider support for travel to build capacity and promote collaboration. 2) Help seek funds for SCFC position.	1 1
		All Range States-EP	CMS	All Range States-EP: Voluntarily supplement current contributions to the CMS Convention with funds earmarked for the Siberian Crane conservation.	1
		CH	SFA	CH: Encourage involvement of NNR in international organisations to conduct conservative projects for Siberian Crane and other important waterbirds.	1
		MN	Institute of Biology MAS, local NGOs	MN: Develop a project proposal on research and public awareness of the Siberian Crane and submit it to international organisations.	1

Programme	Activity	Range State/ Organisation	Collaborators	Future Specific Activities for 2010-2012	Priority
6.5. Raise funds to support a comprehensive conservation programme supporting MOU implementation	b) Develop small-scale project proposals to submit to new funding sources	All Range States-EP		All Range States-EP: Identify activities needing funding, seek potential donors, and submit proposals as needed.	1
	c) Appeal to governments for funding of Siberian Crane conservation activities related to the Siberian Crane MOU	CMS	All Range States-EP	CMS: 1) Provide letters of support for efforts of national agencies and co-operating partners to secure additional funding for MOU-related activities. 2) Continue to coordinate with Friends of CMS to determine what support could be provided to the MOU's implementation in collaboration with ICF.	1
		CH	SFA, State Council, Ministry of Finance	CH: Coordinate actively with the State Council, National Development and Reform Commissions, Ministry of Finance and other agencies to improve the existing funding mechanisms, and raise more social funds for protection and management on wildlife and their habitats. 2) Provide funds annually to support wildlife protection in Jiangxi Province and in NE China.	1

Figure 4. Map of Siberian Crane Eastern Flyway



Map by the International Crane Foundation 2005
 Cartographer: Zoë Rickenbach