

Roadmap – Five-year Programme to improve national and regional locust management in Caucasus and Central Asia (CCA), Oct. 2011

Results & Activities	Actions to be taken Responsibility/operators	Funding 5-yr Prog. (confirmed/ <i>envisaged</i>)	Time frame					<i>Funding gap</i> Comments *Issues discussed and decisions taken	Specific countries' engagement (Except when specified otherwise hereafter, envisaged expenses are covered by the Programme)
			Y1	Y2	Y3	Y4	Y5		
			2012	2013	2014	2015	2016		
R1	Regional cooperation developed for better locust management								
1.1.	Facilitate regional exchanges to manage locust situations								
	<u>1.1.1. Create and maintain regular regional information sharing of standardized data:</u> (a) Use regularly standardized survey and control forms (Responsibility Countries); (b) Issue standard monthly national bulletins, from March to October [ten national consultants] (Resp. Countries) and monthly regional bulletins (Resp. FAO)	(a) Countries (b) USAID						Already discussed under Item 6 of the Agenda * Recruitment of national consultants will take place before the next locust campaign	(a) Ensure regular use of standard forms at national level (b) Assist in identifying national consultants and provide them with relevant information for monthly bulletins
	<u>1.1.2. Allow direct experience exchange:</u> organize five Regional technical workshops gathering all countries (Resp. FAO)	FAO Regular Programme (RP) for Y1 & USAID	Oct.	Oct.	Oct.	Oct.	•	Five annual workshops from October 2011 to October 2015 End-of-programme workshop to be organized in October 2016	Participate every year in workshop
1.2.	Develop coordination including through transboundary policy								
	<u>1.2.1 Promote coordination for implementation of national survey and control plans:</u> as a prerequisite to the implementation of national plan, exchange with neighbouring countries on appropriate timing and location for survey and control operations (Resp. Countries)	Countries						*Countries will post their annual survey and control plans on a FAO Repository or webpage with restricted access (on website LW-CCA) * FAO will ensure translation of survey and control plans from Russian into English and vice-versa	Prepare annual survey and control plans in Russian or English; Upload/Dispatch the workplans before the beginning of the campaign (repository/website) and inform FAO

	1.2.2. Facilitate cross-border activities and intra-regional assistance: conclude bilateral or multilateral specific agreements for simplifying joint activities; Organize bilateral or multilateral working groups for coordinating joint activities; If possible, transfer teams and equipment from one country to another when needed (Resp. Countries, with FAO assistance if needed)	Countries						* An official letter will be sent by FAO to all countries, technically supporting the conclusion of bilateral agreements, including for joint activities in border areas *At the national level, the delegates will technically advocate for the preparation of such agreements *In case of emergency, the website LW-CCA will be used to issue alerts and to call countries to work jointly on the basis of the existing agreements	Prepare, sign and implement bilateral or multilateral agreements with neighbouring countries; Organize working groups' meetings (<u>at countries own expenses</u>) Report during annual workshops on progress made
1.3.	Identify the best long-term solution for sustainable regional cooperation								
	Carry out a comprehensive study on various possible options, including the creation of a FAO Locust Commission (Resp. FAO)	USAID						FAO study - results to be discussed during the annual workshop of Year 3	Participate in the meeting (decision-makers)
R2	National capacities strengthened								
2.1.	Build up capacities through a vast Training-of-Trainers (ToT) programme on locust management								
	(a) Organize ToT (Resp. FAO & Countries) : - two regional sessions for up to 40 Master-Trainers - two national sessions/country for up to 600 locust experts/scouts - five briefing sessions/country for 750 persons (local manpower) prior to control operations	Rus. Fed.	•	•				Two topics: Bio-ecology of the three locust pests, survey operations and information management; Spraying techniques and pesticides management	Nominate appropriate staff to participate in the regional sessions Organize two national sessions Organize five national briefing sessions
	(b) Organize refreshing sessions for locust experts and local manpower (Resp. Countries)	Countries				•	•		(b) Organize refreshing national and briefing sessions, <u>at countries' own expenses</u>
2.2.	Make available and accessible background documentation and literature on the three locust pests								
	(a) Bibliography of available documentation on locusts in CCA; Make recommendations on material to be made available to countries; if	FAO-RP						Bibliography: done (available on LW-CCA) *Members of e-committee to	Ensure internal despatch of produced material (<u>at countries' own expenses</u>)

	possible post them on website LW-CCA, with bilingual abstracts (Resp. FAO)							identify material to be made available on website and prepare abstracts of selected material: Ms Abashidze, Mr Gapparov, Mr Kambulin, Mr. Latchininsky, Mr Sergeev	
	(b) Update the existing monograph on the Moroccan Locust (DMA) and prepare two monographs on the Italian Locust (CIT) and the Asian Migratory Locust (LMI) (Resp. FAO)	FAO RP <i>and Rus. Fed.</i>						To be led by Mr Latchninsky. DMA: Mr Latchninsky CIT: Mr Childebaev & Mr Sergeev LMI: Mr Gapparov & Mr Kambulin	Ensure internal despatch of produced material (<u>at countries' own expenses</u>)
	(c) Produce practical guidelines for the management of the three locust pests in CCA (Resp. FAO)	USAID						E-committee made of FAO experts for selection of institute/research center	
2.3.	Allow internships and post-graduate education								
	(a) Allow ten locust/plant protection officers from different countries to make one-month internships abroad (Resp. FAO)	USAID (x 7 persons)						*Envisaged one-month internship for Year 1: Kazakhstan and Tajikistan, in Morocco, on ULV technology (February 2012); and Uzbekistan, in Australia, on biopesticides (autumn 2012).	Assist in identifying appropriate candidates, both locust/plant protection officers and students
	(b) Allow eight/ten students from CCA to follow a two/three-year post-graduate formation. (Resp. FAO)	FTPP (x5/6 persons) <i>Rus. Fed.</i> (2 persons)						* Members of e-committee to review, prioritize and select proposed subjects and curriculum vitae, taking into account interest of all countries: Ms Abadshidze, Mr Gapparov, Mr Govorov, Mr Kambulin, Mr. Latchininsky and Mr Sergeev (early 2012)	Provide with related CV Submit proposals for internships and two/three post-graduate formation

2.4.	Promote and support applied research							* Members (5) of e-committee for selection of topics for applied research and laboratories, taking into account interest of all countries: Mr Latchininsky (Chair), 3 other independent experts from FAO or nominated by FAO, one country representative from Afghanistan	Submit applied research proposals
	(a) Allocate two grants to selected institutes for applied research on identified topics (Resp. FAO)	Rus. Fed.					•		Assist in identifying laboratories
	(b) Procure entomological and chemical equipment for about six national laboratories (Resp. FAO)	Rus. Fed.					•		
R3	Locust issues and disasters better anticipated and mitigated								
3.1.	Improve survey operations for better locust monitoring								
	3.1.1. Strengthen human capacities: provide regular assistance and organize technical visits, including training, in at least six countries on locust monitoring, incl. survey techniques, data collection, reporting and analysis (Resp. FAO)	USAID (x3) FTPP (x2)					•	<i>Missing funding: at least 1 country</i> *Countries selected for 2012: Afghanistan, Kyrgyzstan	Perform timely survey operations in accordance with annual workplan. Document accurately national surveys. Facilitate technical visits of FAO international consultants (visa, agenda, etc.)
	3.1.2. Strengthen operational capacities: deliver positioning, communication, survey and office equipment to countries (Resp. FAO)	FAO RP (x3) USAID (x 7)					•	<i>Equipment had to be limited to minimum, to be completed with other funding</i>	Use delivered equipment for locust management only. Ensure maintenance of delivered equipment.
3.2.	Organize regular cross-border surveys								
	Carry out 20 cross-border surveys (Resp. Countries with FAO assistance)	USAID (x10)					•	<i>Missing funding: 10 cross-border survey</i> (lump sum for general operating expenses/daily subsistence) *Assistance will be provided for the following cross-border surveys during Year 1: - Azerbaijan & Georgia - Afghanistan & Tajikistan - Turkmenistan & Uzbekistan - Kyrgyzstan & Uzbekistan *In the three first cases,	Facilitate and participate in cross-border surveys

								international technical assistance provided under 3.1.1, 4.1.1. & 5.1 will contribute to support such cross-border surveys.	
3.3.	Develop monitoring and analyzing systems								
	3.3.1. <u>Extend use of Geographical Information System and remote sensing</u> (a) Carry out a study on existing national Geographical Information System (GIS) in CCA [regional GIS consultant] and collect information on nature and availability of remote sensing and weather data which are available at national level [ten national consultants] (Resp. FAO)	USAID							Assist in identifying regional GIS and national specialists? Provide requested information on existing GIS and remote sensing data at national level
	(b) Organize regional workshop to identify main features of regionally compatible GIS (Resp. FAO)	USAID							Release national specialists for participating in regional workshop
	(c) Design/adapt GIS system [regional GIS consultant] (Resp. FAO)	USAID							Cooperate with regional specialist if needed
	(d) Install in at least two pilot countries [regional GIS consultant] (Resp. FAO)	USAID							Pilot countries: following installation of regional compatible GIS system, test it and share results
	3.3.2. <u>Improve forecasting: organize regional workshop for better forecasting</u> (Resp. FAO)	USAID							3.3.2. Participate in regional workshop on forecasting
3.4.	Enhance preparedness for risk reduction through harmonized national contingency plans								
	(a) Formulate a common strategy/canvass for designing national contingency plans [international consultant] (Resp. FAO)	USAID							
	(b) Discuss with countries, refine and adopt a common canvass, during specific regional workshop (Resp. Countries & FAO)	USAID							Participate in regional workshop on contingency plans

	(c) Prepare national plans on the basis of the canvass (Resp. four pilot countries, with FAO assistance)	Countries							Pilot countries: prepare national contingency plan with FAO assistance
	(d) Share lessons drawn with all CCA countries (Resp. four pilot countries)	Countries							Pilot countries: prepare national contingency plan with FAO assistance and share lessons drawn with other CCA countries
R4	Improved response mechanisms to locust outbreaks								
4.1.	Allow early reaction and appropriate control operations								
	4.1.1. <u>Strengthen human capacities</u> : provide regular assistance and organize technical visits, including training, in at least six countries (Resp. FAO)	USAID (x4) FTPP (x2)						*Countries selected for 2012: Azerbaijan, Turkmenistan	Perform timely control operations in accordance with annual workplan; Promote pesticide spraying in the respect of human health and environment and good agricultural practices; Monitor and document control operations; Facilitate technical visits of FAO international consultants (visa, agenda, etc.)
	4.1.2. <u>Strengthen operational capacities</u> : procure relevant control equipment to countries, in particular Ultra-Low Volume (ULV) spraying material and protective clothing (Resp. FAO)	FAO RP (x3) USAID (x 7)			•	•		<i>Equipment had to be limited to minimum, to be completed with other funding</i>	Use delivered equipment for locust control only. Ensure maintenance of equipment
	4.1.3. <u>Enhance public-private partnership</u> : organize technical round tables with private partners (at least three countries) and provide guidelines and incentives for respect of good practices (Resp. Countries, with FAO assistance)	Countries						To be implemented by countries which fully or partially delegate locust control to private companies	Organize round tables and provide guidelines and incentives to private sector - <u>at countries' own expenses</u> Report on the actions taken during annual workshops
4.2.	Promote less harmful pesticides and alternatives to conventional pesticides								
	4.2.1. <u>Develop ULV formulations and related techniques</u> : inform and train countries on ULV technology; provide them with a video tutorial on ULV spraying (Resp. FAO & Countries)	USAID (video)	video					*Video on ULV spraying against Moroccan Locust in Morocco (spring 2012)	Despatch video widely among locust specialists (<u>at countries own expenses</u>)

	4.2.2. Propose alternatives to conventional pesticides: inform on alternatives; organize demonstration in CCA and duly document it with video (Resp. FAO)	USAID					demo & video		Host country: facilitate organization of demonstration Despatch video widely among locust specialists (<u>at countries own expenses</u>)
	4.2.3. Encourage registration of more pesticides: (a) Define the minimum list of pesticides to be registered in CCA for harmonization (Resp. FAO & Countries); (b) Register more pesticides for locust control, incl. less environmentally harmful compounds and formulations or -at least- process for registration launched (Resp. Countries, with FAO assistance)	Countries						*E-working group to review material received from countries, discuss and define the minimum list of pesticides for registration in CCA, and report to all colleagues includes: Mr Gapparov, Mr Latchninsky, Ms Yussupova	(a) Provide updated list of national registered and/or most used pesticides; Discuss and agree on minimum list of pesticides for locust control (during technical workshop of Year 2); (b) Launch process for national registration (<u>at countries own expenses</u>)
R5	Impact on human health and the environment mitigated and monitored								
5.1.	Mitigate impact of locust control operations on human health and the environment								
	(a) Organize technical visits, including training, in at least six countries (Resp. FAO)	USAID (x4) FTPP (x2)						*No countries selected for 2012	Adopt best agricultural practices and mitigation measures, including use of protective clothing
	(b) Produce extension material (posters, leaflets, booklets, etc.) and ensure translation into national languages (Resp. FAO)	<i>Rus. Fed.</i>						To be done using guidelines and training material from ToT	Ensure internal despatch of extension material - <u>at countries' own expenses</u>
5.2.	Monitor impact of locust control operations on human health and the environment								
	(a) Conduct impact assessments in six countries [national consultants] (Resp. Countries and FAO)	USAID (x4)					• •	<i>Missing funding: 2 countries</i> *Assistance will be delivered to Georgia and Tajikistan in 2012.	For the six concerned countries: assist in identifying national consultants
	(b) Ensure analysis of collected material and insect identification in relevant laboratories and research centres of the six concerned countries (Resp. Countries and FAO)	USAID (x4)					• •		For the six concerned countries: facilitate impact assessment during and after control operations, and analysis of collected material

R6	Public information and awareness increased								
6.1.	6.1. Develop awareness and education among local populations								
	(a) Produce, translate (English/Russian/national languages) and despatch extension documentation to local populations and schools (Resp. FAO and Countries)	Countries			•	•	•	<i>No funding</i>	Ensure despatch of extension documentation to local populations and schools - <u>at countries' own expenses</u>
	(b) Organize mass-media campaigns (Resp. Countries)	Countries							Organized mass-media campaigns - <u>at countries' own expenses</u> Report on actions taken during annual workshops
6.2.	6.2. Enhance visibility of locust issues and management, and of related donor support								
	6.2.1. Prepare and implement a regional communication plan (Resp. Countries & FAO)				•	•		<i>No funding</i>	Contribute to implement agreed communication plan
	6.2.2. Increment & update the website "Locust-Watch in CCA" (Resp. FAO)	FAO-RP							Provide documentation, photos, etc. for updating the website
All	Technical supervision, coordination, operational and financial management of the Five-year Programme								
	Technical supervision, coordination, operational and financial management of the Five-year Programme at FAO-level (Resp. FAO)	FAO RP FTPP <i>and Rus. Fed.</i>					•	•	Annual reports on activities and expenditures; annual workplans to be discussed during workshops (including planned expenses and funding gaps)
	Liaison with FAO for implementation of the Five-year Programme at the national level (Resp. Countries)	Countries					•	•	*E-mail will be sent to countries asking them to identify a national focal point, who should be part of the national service in charge of locust management (public official) and will facilitate programme implementation
	Evaluation of the Five-year Programme (Resp. FAO)	USAID <i>and Rus. Fed.</i>							