

August 2012



**CENTRAL ASIAN AND CAUCASUS REGIONAL
FISHERIES AND AQUACULTURE COMMISSION**



TECHNICAL ADVISORY COMMITTEE (TAC)

First Session

Kiev, Ukraine, 20-22 November 2012

5- YEAR REGIONAL WORK PROGRAMME (2011–2015)

THE TECHNICAL COMPONENTS OF THE FIRST 5-YEAR WORK PROGRAMME

This section describes the goal, purpose, activities and interlinked projects, of the five technical components of the work programme: governance, aquaculture, inland fisheries and conservation, post harvest activities, research & capacity development.

Component 1: Governance

Goal: Improved regional governance of the inland fishery and aquaculture sector for a more orderly, rapid and sustainable development and increased economic opportunities.

Purpose: Strengthened policy, legal and institutional frameworks to promote and support inland fisheries and aquaculture

Component 2: Aquaculture

Goal: Improved production technology and systems and better management practices for the aquaculture sector.

Purpose: Responsible development and management of aquaculture.

Component 3: Inland fisheries and conservation

Goal: Improved inland fisheries management practices in the region.

Purpose: Sustainable development of fisheries and support to the conservation of endangered fish species.

Component 4: Post harvest activities

Goal: Increased quality and safety of fisheries and aquaculture products available in the markets in the region.

Purpose: National institutions responsible for fisheries and aquaculture post-harvest activities (fish safety, quality and marketing) are competent.

Component 5: Research & capacity development

Goal: Improved capacities for research and technology development, extension, education and training in fisheries and aquaculture in the region.

Purpose: Strengthened research, technology development, training and educational frameworks for fisheries and aquaculture in the region.

Under each component one or more projects and activities have been identified, following the priorities expressed by the countries in 2010.

Component 1: Governance

Goal: Improved regional governance of the inland fishery and aquaculture sector for a more orderly, rapid and sustainable development and increased economic opportunities.

Purpose: Strengthened policy, legal and institutional frameworks to promote and support inland fisheries and aquaculture.

Project and activity titles	Outputs	Key performance indicator	Timeframe	Commission endorsement foreseen	Total budget required (US\$)	Budget sources and status
Provision of technical advice on the modernization of laws and regulations governing fisheries and aquaculture	Improved regulatory and legal frameworks are in place for a better fisheries and aquaculture management		2011–2015			
1.1 Organization of a regional workshop on the improvement of legal frameworks for fisheries and aquaculture	Recommendations for improvement and harmonization of legal frameworks for fisheries and aquaculture in the region	Draft recommendations Workshop report List of participants	2012	Recommendation for endorsement in 2013	30 000 -secured	FAO FishDev Central Asia (20 000 confirmed) Venue and host/counterpart contribution to be decided
1.2 Development of modern legal frameworks and regulations for aquaculture development and management in Azerbaijan	Modernized aquaculture law and regulations	TCP project document Draft Law Draft regulations	2011	Not applicable: submission for information in 2012	72 000 -secured	FAO project TCP/AZE/3301 (component 2) “Review of the national capture fisheries and aquaculture legislation of Azerbaijan” started in January 2011.
1.3 Provision of legal advice on fisheries and aquaculture legal framework in Kyrgyzstan	Recommendations for changes in the laws and regulations	Mission reports of consultants	2011	Not applicable: submission for information in 2011	30 000 -secured	Government of Finland financed project GCP/KYR/003/FIN Support to Fisheries and Aquaculture management in the Kyrgyz Republic is supplying international and national expertise
1.4 Provision of legal advice at national level to other CACFish member countries	Recommendations for changes in the laws and regulations	Mission reports of consultants	2011–2015	TBD	160 000	TBD project documents to be developed (40 000 per country x 4 countries)

2. Improvement of the fisheries and aquaculture data information and trend reporting in the region	Increased capacity in national administrations on fisheries and aquaculture data and information systems		2011–2015			
2.1 Organization of a Regional capacity building workshop on fishery and aquaculture statistics, information and trends: improving data collection analysis and dissemination	Recommendations for improvement and harmonization of fisheries and aquaculture statistical information systems	Draft recommendations Workshop report List of participants	2011	Recommendation for endorsement by the Commission in 2011	30 000 (secured)	A Workshop on fishery and aquaculture statistics, information and trends: improving data collection, analysis and dissemination, was held in Antalya, Turkey on 12-14 April 2011 The workshop was financed by the Government of Turkey under GCP/RER/031/TUR (FishDev Central Asia)
2.2 Provision of advice on the establishment and improvement of fisheries and aquaculture data and information systems at national level in specific CACFish member countries			2011–2015	TBD	60 000	TBD project documents to be developed (20 000 per country x 3 countries)
2.3 Regional review of fisheries and aquaculture in the Central Asian and Caucasus region	Increased awareness and understanding among stakeholders of the current situation and prospects for development of fisheries and aquaculture in the region	Annual background papers for CACFish sessions	annually	No, only discussion	25 000	CACFish autonomous budget (issue will become agenda item of first meeting of the Commission) Cost estimated at 5 000 annually
3. Policies and strategies for sustainable regional development of fisheries and aquaculture	Increased capacity in national administrations on fisheries and aquaculture policy development and harmonization of issues of regional (transboundary) importance		2011–2015			

3.1 Organization of a Regional capacity building workshop on good practices for fishery and aquaculture policy and strategy development	Increased awareness and capacity in national administrations on policy formulation	Draft recommendations Workshop report List of participants	2012 (moved from 2011)	Recommendation for endorsement in 2012 or 2013	30 000 (20 000 secured)	FAO FishDev Central Asia Venue and host/counterpart contribution to be decided
3.2 Provision of advice on the formulation of aquaculture policies and strategies at national level in specific CACFish member countries	Increase capacity at national administrations and other relevant sectoral stakeholders to conduct participatory policy and planning processes Outcome: improved management of the sector	National policies and strategies	2011–2015	TBD	160 000 (40 000 secured)	TBD project documents to be developed (estimated at 40 000 per country x 4 countries) In Azerbaijan a workshop was held in July 2011 to develop the national policy for aquaculture with support from FishDev Central Asia.
3.3 Preparation of a Strategy for responsible fish introductions and translocations in aquaculture in Central Asia and the Caucasus	Increased knowledge on responsible transfers and introductions of fish in the region. A harmonized approach to introduction of species and translocations of life fish.	Draft strategy Workshop report TAC endorsement of strategy	2012 (postponed from 2011)	Recommendation for endorsement in 2012	35 000 (secured)	FAO Regular Programme (a Regional study on fish introductions in Central Asia and the Caucasus has started in 2010) A draft strategy is prepared for consideration in 2012 by the TAC
3.4 Regional guidelines on monitoring fish health and preparedness and response to aquatic animal health emergencies	Increased knowledge in the region on fish health monitoring, preparation for health emergencies and mitigation of fish health problems	Draft guidelines Workshop report TAC endorsement of strategy	2012	Recommendation for endorsement in 2012 or 2013	40 000	TBD

Component 2: Aquaculture

Goal: Improved production technology and systems and better management practices for the aquaculture sector.

Purpose: Responsible development and management of aquaculture.

Project and activity titles	Outputs	Key performance indicator	Timeframe	Commission endorsement foreseen	Total budget required (US\$)	Budget sources and status
4. Support to the sustainable development of aquaculture in the region	Increased aquaculture production by use of better production systems and management practices		2011–2015			
4.1 Provision of technical advice and collaboration on high quality fish feed production in the region	Increased awareness on nutrients and fish feed production technologies and management in the region	Mission reports of fish feed experts Report on fish feed feasibility in Kyrgyzstan, Tajikistan and Uzbekistan	2011–2015	Report on fish feed feasibility in KYR, TAJ, UZB available for information to the Commission	100 000 (50 000 secured)	FAO TCP/RER/3205 “Advice to Central Asian Governments on the feasibility of commercial fish & livestock feed production” will end in June 2011. A regional training on small-scale fish feed production took place in Tajikistan in September 2011 with support from FishDev Central Asia Other activities TBD; project document to be developed
4.2 Preparation of a guidance document on introductions and transfers of fish in Central Asia and the Caucasus (in Russian and English language).	Increased awareness on the history and status of introductions and transfers in the region. Contribution to a harmonized approach to introduction of species and translocation s of life fish.	Guidance document/manual	2012 (postponed from 2011)	For information only	10 000 (secured)	FAO Regular Programme (a Regional study on fish introductions in Central Asia and the Caucasus has started in 2010)
4.3 Development of Better Management Practices (BMP) for aquaculture in the region	Increased capacity of aquaculture entrepreneurs to carry out aquaculture in a efficient and responsible manner	BMP documents (Carp species and other species) List of participants of expert workshops Discussion in TAC	2011–2015	For endorsement by the Commission	100 000 (40 000 secured)	FAO FishDev Central Asia supported the expert workshop in February 2011. The draft BMPs were presented and reviewed at the 4 th Intergovernmental Meeting.

						Needs for funding of other BMPs TBD
4.4 Provision of technical advice on stocking, restocking and culture based fisheries	Increased knowledge of feasible restocking and culture- based fisheries practices in the region	Study report Draft Recommendations TAC endorsement of recommendation	2011	Recommendations for endorsement in 2011	40 000 (secured)	FAO Regular Programme (The outcomes of a “Regional study on the feasibility of restocking and development of culture-based fisheries in Central Asia” were presented, discussed and endorsed by the Fourth Intergovernmental Meeting)
4.5 Provision of technical advice on broodstock development of carp and trout species	Increased capacity of aquaculture entrepreneurs and aquaculture researchers on broodstock management	Mission reports of experts	2011–2015	For information only	100 000	TBD
4.6 Provision of technical advice on sturgeon hatchery management	Increased capacity of sturgeon hatchery managers, decision makers and sturgeon technicians on hatchery management and best practices	Technical guidelines Manual TAC endorsement of technical guidelines	2011	Technical Guidelines are presented for endorsement by Commission in 2011	100 000 (Secured)	Technical Guidelines and a Manual in Russian, English and Turkish are being developed with support from FAO TCP/TUR/3202 and FAO TCP/INT/3101. The Technical Guidelines were presented, reviewed and approved by the Fourth intergovernmental Meeting)
4.7 Provision of technical advice on specific aquaculture technologies and systems (e.g. cage culture, recirculation systems)	Increased capacity of aquaculture entrepreneurs and aquaculture researchers	TBD	2011–2015	For information only	300 000	TBD project documents to be developed
4.8 Development of Environmental Impact assessment (EIA) methods for aquaculture in central Asia	Increased awareness on EIA methodologies in the sector and harmonization with other regions and best practices from elsewhere	Tools and methodology for EIA TAC endorsement of the tools	2012	For endorsement by Commission in 2012	50 000	TBD project documents to be developed

Component 3: Inland fisheries and conservation

Goal: Improved inland fisheries management practices in the region.

Purpose: Sustainable development of fisheries and support to the conservation of endangered fish species.

Project and activity titles	Outputs	Key performance indicator	Timeframe	Commission endorsement foreseen	Total budget required (US\$)	Budget sources and status
5. Support to inland fisheries management and conservation objectives	Increased regional capacity in inland fisheries management and conservation of endangered fish species		2011–2015			
5.1 Provision of technical advice on fish population genetics	Increased awareness on genetics of indigenous fish species and the status of the current fish populations	Mission reports of fish genetics experts Discussion in TAC/guidance on genetics	2011–2015	For information/endorsement by the Commission	100 000	TBD project document to be developed
5.2 Provision of technical advice on the construction of fish passages for dams on fish migration routes	Increased use of best practice approaches in the construction of fish passages at dams on fish migration routes	Guidance document with recommendations/manual on fish passage construction	2011–2012	For endorsement by Commission in 2012	15 000	FAO Regular Programme (mainly translation of existing documents into Russian language)
5.3 Development of regional best-practice approaches for rehabilitation of water bodies (including spawning and nursery habitats in rivers and lakes)	Increased capacity of fisheries management authorities to guide rehabilitation works of water bodies	Best –Practice and guidance documents Recommendation Discussion in TAC	2013–2014	For information/endorsement by the Commission in 2014	50 000	TBD project document to be developed
5.4 Provision of technical advice on the establishment of Monitoring, Control and Surveillance (MCS) systems in inland fisheries	Improved fisheries inspection services through generated capacity on MCS systems among fisheries authorities in the region	Draft Recommendation TAC endorsement of recommendation	2012	Recommendation for endorsement in 2012 or 2013	50 000	TBD (a regional training workshop would cost about 30 000, while consultancies and translation of documents will cost another 10 000 each) FAO FishDev Central Asia may share the costs.

Component 4: Post harvest activities

Goal: Increased quality and safety of fisheries and aquaculture products available in the markets in the region.

Purpose: National institutions responsible for fisheries and aquaculture post-harvest activities (fish safety, quality and marketing) are competent.

Project and activity titles	Outputs	Key performance indicator	Timeframe	Commission endorsement foreseen	Total budget required (US\$)	Budget sources and status
6. Fish and fisheries products post harvest quality and safety improvement	Increased availability of high quality and safe fish and fisheries products in the domestic markets in the region		2011–2015			
6.1 Provision of technical advice on fish marketing and fish processing	Increased awareness on modern fish processing technologies and marketing processes in the region	Mission reports of fish processing and marketing experts	2011–2015		150 000	TBD project document to be developed. A fish marketing and consumption study is being conducted in Kyrgyzstan by Government of Finland financed project GCP/KYR/003/FIN Support to Fisheries and Aquaculture management in the Kyrgyz Republic
6.2 Preparation of guidance documents on fish quality and food safety measures (in Russian and English language).	Increased use of international standards and procedures for maintenance of fish quality and increase fish and fishery product safety for consumers	Draft Recommendation TAC endorsement of recommendation	2012–2013	Recommendation for endorsement in 2012 or 2013	60 000	TBD project document to be developed
6.3 Assess the contribution of fisheries and aquaculture to food security in Central Asia and the Caucasus	Increased understanding of policy makers and the general public on the importance of fish and fisheries products for food security, nutrition and health.	Study report	2012–2014	Information presented to Commission in 2014	20 000	TBD study prospectus to be developed and donor to be found

Component 5: Research & capacity development

Goal: Improved capacities for research and technology development, extension, education and training in fisheries and aquaculture in the region.

Purpose: Strengthened research, technology development, training and educational frameworks for fisheries and aquaculture in the region.

Project and activity titles	Outputs	Key performance indicator	Timeframe	Commission endorsement foreseen	Total budget required (US\$)	Budget sources and status
7. Support to research, technology development, training and education in fisheries and aquaculture	Research institutions, universities and vocational schools are capable to deliver high quality services to the sector.		2011–2015			
7.1 Development of a regional collaborative programme of high quality fisheries and aquaculture education at BSc and MSc level	Increased competency of graduates in fisheries and aquaculture	Regional fisheries and aquaculture education programme Number of students obtaining MSc and BSc in fisheries and aquaculture	2011–2015	For information only	1 000 000	TBD project document to be developed Donors and interested partners should indicate their interest in this activity
7.2 Development of a regional training programme in fisheries and aquaculture (consisting of short and practical courses on a range of subjects)	Up-to-date aquaculture and fisheries entrepreneurs, who use the latest information and knowledge	Regional training programme document Training materials Course prospectus Lists of participants	2011–2015	For information only	500 000 (300 000 secured)	FAO FishDev Central Asia (100 000 confirmed for various technical training courses in the region) Third Country Training Programme (JICA, TICA, MARA) continues to carry out trainings (200 000 confirmed for 2011). FishDev Central Asia provides some training in specific subjects as well.
7.3 Development of a regional programme or network of institutions to exchange research experiences and technology developments	Increased capacity of fisheries and aquaculture researchers	List of participants of workshops Workshop reports Discussion in TAC	2011–2015	For information/ endorsement by the Commission	250 000	Annual workshops of fisheries and aquaculture researchers would cost approximately 50 000 per year TBD project document to be developed
7.4 Preparation of high quality training and education materials on various aspects of fisheries and	Availability for aquaculture and fisheries entrepreneurs of information on the latest technologies and	Training and education materials	2011–2015	For information only	200 000 (20 000 secured)	FAO FishDev Central Asia (20 000 confirmed for various training manuals in Russian language)

aquaculture	production systems					National institutions should inform the Commission about preparation of training materials – to avoid duplication of effort and disseminate information more widely
-------------	--------------------	--	--	--	--	---