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



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**FIVE-YEAR REGIONAL WORK PROGRAMME (2011-2015) OF CACFish**

**CACFish 5- YEAR REGIONAL WORK PROGRAMME (2011–2015)**

**I. INTRODUCTION**

**I.1. BACKGROUND**

The call for regional collaboration in fisheries and aquaculture in the Central Asian and Caucasus regions has its genesis in 2007 in a FAO workshop<sup>1</sup> while the formal process towards the establishment of a cooperative regional arrangement for fisheries and aquaculture started with the “Regional Intergovernmental Meeting to Initiate the Establishment of a Central Asian Regional Fisheries Organization”, which was held in Dushanbe, Tajikistan, 10-12 November 2008 (Dushanbe Meeting). The meeting brought together authorities responsible for capture fisheries and aquaculture from Central Asian and Caucasus republics, Turkey and China. The meeting was informed by (a) two reviews (a synthesis of the status and prospects of inland fisheries and aquaculture of the five Central Asian Republics and a number of Caucasus nations, and an outline of regional cooperation that included a review of the various models of regional arrangements in other regions and their respective merits) and (b) the results of a survey that collected information in support of the establishment process of a regional capture fisheries and aquaculture organization.

The Dushanbe Meeting endorsed the formation of a regional body and agreed on its broad set of objectives, functions and desired attributes. It also constituted a Steering Committee to prepare for the Second Regional Inter-governmental Meeting on the Establishment of a Central Asian and Caucasus regional fisheries arrangement.

<sup>1</sup> Regional Workshop on Inland Fisheries and Aquaculture in Central Asia: Status and Development Prospects, Antalya, Turkey, 11–14 December 2007

The Steering Committee, composed of Focal Points designated by their respective governments and joined by representatives of a number of international, regional and national institutions, met for the first time in Ankara, Turkey, 24-26 March 2009 (Ankara Meeting).

Among its recommendations were the drafting of an agreement to establish the regional body, its rules and procedures, and the call to draft a regional work programme. These documents were to be discussed at the Second Inter-governmental Meeting on the Establishment of a Central Asian and Caucasus Regional Fisheries Organization, which took place in Trabzon, Turkey, 3-5 June 2009 (Trabzon Meeting).

The Focal Points, after having discussed with their respective authorities, informed the FAO Secretariat to the Steering Committee in April 2009 of the preference of their authorities with regards to the type of arrangement to be established for the region. All official responses received indicated a preference for the establishment of a regional fisheries and aquaculture commission under Article XIV of the FAO Constitution. As a consequence the FAO Secretariat worked on the preparation of the required documentation to enable the establishment of the Commission.

The Trabzon meeting drafted the Agreement on the Central Asia and Caucasus Fisheries and Aquaculture Commission. Following the Trabzon meeting the Government of Turkey, on behalf of the delegations of the other countries that attended the meeting, requested the Director General of FAO to support the process.

The eighty-eighth session of the FAO Committee on Constitutional and Legal Matters (CCLM) reviewed in September 2009 the draft Agreement as endorsed by the Trabzon meeting and forwarded it for approval by the FAO Council at its Hundred and Thirty Seventh Session. The Agreement got unanimously approved by the Council at that session on 1 October 2009 through Resolution No 1/137 under Article XIV, paragraph 2 of the FAO Constitution.

In December 2009 the Director General of FAO sent the Agreement and related information on the instrument of acceptance to the following countries: Armenia, Azerbaijan, People's Republic China, Georgia, Islamic Republic of Iran, Kazakhstan, Kyrgyzstan, Russian Federation, Tajikistan, Turkey, Turkmenistan, Uzbekistan, Afghanistan, Mongolia and Ukraine. In February 2010 instruments of acceptance were deposited by the Governments of Tajikistan and Kyrgyzstan, followed by Turkey in July 2010.

In February 2010, the Second Steering Committee Meeting to prepare for the Third Intergovernmental meeting on the Establishment of the Central Asian and Caucasus Fisheries and Aquaculture Commission was held in Istanbul, Turkey (Istanbul Meeting). The Istanbul Meeting discussed, amended and approved through consensus the draft "Rules of Procedure for the Central Asian and Caucasus Regional Fisheries and Aquaculture Commission"

The following presents the work programme, as prepared by the FAO Secretariat and reviewed and endorsed by the Third Inter-Governmental Meeting (Trabzon, Turkey; 30 November - 1 December 2010).

It sets out the basis of the programme, its guiding principles, vision and mission of the Commission, context and components of the work programme, its desired institutional and technical outcomes and its coordination and management. In connection with its management and implementation, an indicative budgetary requirement is provided.

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## I.2. BASIS OF THE WORK PROGRAMME

This work programme is guided and informed by the following documents:

- 1) Report of the Regional Workshop on Inland Fisheries and Aquaculture in Central Asia: Status and Development Prospects, Beymelek, Turkey, 11–14 December 2007, in particular the analysis of the strengths, weaknesses, threats and opportunities (SWOT) of the sector.
- 2) Report of the Regional Workshop on the 1995 FAO Code of Conduct for Responsible Fisheries in the Central Asian region: a call for action, Tashkent, Uzbekistan, 8-10 April 2008.
- 3) Report of the First Regional Intergovernmental Meeting to Initiate the Establishment of a Central Asian Regional Fisheries Organization, Dushanbe, Tajikistan, 10-12 November 2008, in particular the synthesis of the inland fisheries and aquaculture development status and prospects of the Central Asian and some Caucasus republics.
- 4) Report of the Steering Committee meeting to prepare for the second regional inter-governmental meeting on the establishment of a Central Asian and Caucasus regional fisheries arrangement, Ankara, Turkey, 24-26 March 2009.
- 5) Report of the Second Intergovernmental Meeting on the Establishment of Central Asian and Caucasus Regional Fisheries Organization, Trabzon, Turkey, 3 - 5 June 2009.
- 6) Report of the Second Steering Committee Meeting to prepare for the Third Intergovernmental meeting on the Establishment of the Central Asian and Caucasus Fisheries and Aquaculture Commission, Istanbul, Turkey, 24-25 February 2010.
- 7) Report of the Third Intergovernmental meeting on the Establishment of the Central Asian and Caucasus Regional Fisheries and Aquaculture Commission, Trabzon, Turkey, 30 November - 1 December 2010.
- 8) Lists of priorities for regional and national level interventions by the Central Asian and Caucasus Fisheries and Aquaculture Commission, as received from the focal points in the period December 2009 – August 2010.
- 9) Comments received on earlier draft versions of the programme.

This programme is also informed by and drew on the scientific, technical and management expertise and experience of a wide range of institutions and organizations involved in inland fisheries and aquaculture, water management, irrigation, agriculture, and the broad area of rural development in Central Asia and the Caucasus.

## II. GUIDING PRINCIPLES

This work programme is the first work programme of the Central Asian and Caucasus Fisheries and Aquaculture Commission. The work programme adheres to the “Rules of Procedure for the Central Asian and Caucasus Regional Fisheries and Aquaculture Commission” as produced in the Istanbul Meeting.

The work programme shall have the following guiding principles:

- 1) The regional work programme shall first and foremost reflect the common interests and priorities of all parties to the Commission. Implementation arrangements will however strive to address unique problems of individual parties as well as problems shared by a subset of the Commission’s membership.
- 2) The work programme shall be supported implemented through technical cooperation in line with the principle of Technical Cooperation among Developing Countries (TCDC) and Technical Cooperation among Countries in Transition (TCCT) advocated by FAO.
- 3) The parties to the Commission shall have ownership of and responsibility for the work programme.

### **III. VISION AND MISSION OF THE COMMISSION**

In line with the objectives of the Commission, which are “to promote the development, conservation, rational management and best utilization of living aquatic resources, as well as the sustainable development of aquaculture” (Article 3.1 of the Agreement)” and following the draft logical framework which was examined and endorsed by the Dushanbe Meeting, this 5-Year Regional Work Programme (2011 -2015) has been developed in conformity with the below vision, mission statement and the goal and purposes for the work programme of the Commission for the period (2011 - 2015).

#### **III.1. VISION STATEMENT**

For the Peoples of the Region: Inland Capture Fisheries and Aquaculture shall become a significant contributor to sustainable social and economic development.

For the Commission: A strong and self-reliant regional Commission shall be developed that fosters sustained cooperation among the parties.

#### **III.2. MISSION STATEMENT**

Through regional cooperation and extensive partnerships, the Commission shall improve the capacity of the region for inland fisheries and aquaculture development.

It will achieve this by developing and adapting advanced technology and systems, and by improving the region’s capacity to manage sustainably its inland fishery and aquaculture resources, improve production and post- harvest practices and systems, improve access to markets, increase the effectiveness of extension and other support services, and strengthen the educational and research institutions.

#### **III.3. GOAL**

The goal of this work programme of the Commission shall be to improve and sustain the production of inland capture fisheries and aquaculture (including culture based fisheries) and contribute to the sustainable development of the fisheries sector in the Central Asian and Caucasus regions.

#### **III.4. PURPOSE**

The purposes of this work programme of the Commission shall be to strengthen the institutional, scientific, technical, legal and structural capacities in order to promote the development, conservation, rational management and best utilization of living aquatic resources for a sustained development of inland fisheries and aquaculture in the Central Asian and Caucasus regions.

### **IV. CONTEXT OF THE WORK PROGRAMME**

There are six essential considerations for the Work Programme:

- 1) It shall be implemented by the Commission, which will operate it as a programme for exchanging, producing and disseminating special information and advice; linking policy - makers, managers, scientists and private sector fish producers, working in inland fisheries and/or aquaculture with the aim to achieve the objectives of the Commission;
- 2) The core resources (manpower, core funding and institutional participation) to operate the regional work programme will be provided by the parties to the Commission;

- 3) The work programme shall consist of activities and projects that are implemented with the assistance of FAO and other donors and partners. As experiences in other regions show, the arrangement shall have attained self-reliance within ten years.
- 4) The work programme is a “rolling programme” in that, while it has a five-year time-frame for management, monitoring and evaluation purposes, the programme activities do not necessarily end at the end of the programme period; in addition, important issues that emerge during the programme period can and should be incorporated into the work programme at the regular sessions of the commission which will be held annually.
- 5) The development and implementation of specific projects and activities under the work programme shall be undertaken by the members with the assistance of the Secretariat of the Commission.
- 6) The implementation of the programme and the activities under it shall be coordinated by the Secretariat and monitored and evaluated by the Technical Advisory Committee (TAC) of the Commission.

This first work programme was prepared by the FAO Secretariat in close coordination with the focal points in the Steering Committee. Future work programmes and amendments to this work programme will be prepared by the TAC with assistance from the FAO Secretariat.

The programme shall have two major parts: (i) technical part and (ii) programme coordination and management part. The technical part consists of five components of the work programme, namely: governance, aquaculture, inland fisheries and conservation, post harvest activities, research & capacity development. The technical part is presented in section VI and the programme coordination and management part is presented in section VII of this work programme.

## V. INSTITUTIONAL OUTCOMES OF THE WORK PROGRAMME

A crucial set of outcomes of the work programme is the adoption of institutional strategies, procedures and processes that will sustain the Commission. These outcomes for the Commission itself as an organization will enhance its ability to achieve the over-arching outcomes desired for the sector of better governance, stronger institutional support, and improved technology and production systems.

The institutional outcomes shall be:

1. **A higher profile of inland fisheries and aquaculture in national plans and development programmes:** A major outcome of the work programme would be the due recognition of the importance of the sector in national development and its capacity to contribute to poverty alleviation and the achievement of food security. Successful results would cumulatively raise the profile of the sector in national development plans, rural development plans and poverty reduction strategies and programmes. The indicator or practical proof of this would be an increased allocation of state budgetary funding for the management and development of the sector.
2. **Stronger working relations among stakeholders:** The five-year implementation period of the work programme should enable the sector to establish and strengthen important working relations among the primary stakeholders within the sector including governments, producers, consumers, suppliers of technical inputs, service providers, NGOs, donors and regional and international institutions and development agencies. Participatory approaches to be adopted by the work programme will involve stakeholders in policy-making, planning, implementation and monitoring. The desired outcome of such relations would be an easy and open flow of information, closer cooperation, and trust between stakeholders.

- 3. Integration into rural development programmes:** The work programme will seek to integrate aquaculture and inland fisheries planning within the overall rural development planning, taking into account multi-sectoral developments and views. Sectors that need to be collaborated with include among others water/irrigation, hydropower, tourism, education, agriculture, food, import/export and health. Multi-sectoral co-ordination will bring agencies together, raise awareness in other rural development sectors of the potential of inland fishery and aquaculture to improve national and local economies, as well as community livelihoods and household incomes.
- 4. Synergy with programmes of other institutions and organizations.** To add value to its own projects and to other projects in the region, to build on other related efforts rather than competing with or duplicating them, the work programme shall be designed to establish functional linkages with projects and donors that have fishery - and aquaculture - related mandates in the region.

## VI. 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 (please see annex 1 for the table of priorities) 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 | Budget sources and status   |
|---|---|--|-------------|--|-----------------------|---|
| 1.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<br>Workshop report<br>List of participants | 2012        | Recommendation for endorsement in 2013             | 30 000 (secured)      | FAO FishDev Central Asia (20 000 confirmed)<br>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<br>Draft Law<br>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 Republic is supplying international and national expertise management in the Kyrgyz |
| 1.4 Provision of legal advice at national level to other CACFAC 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)  |

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|---|---|--|------------|--|------------------|--|
| 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<br><br>Workshop report<br>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<br><br>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                          |   |  | 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           | CACFAC autonomous budget (issue will become agenda item of first meeting of the Commission)<br>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 |  |                  |  |

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| 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<br><br>Workshop report<br>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<br><i>Outcome: improved management of the sector</i> | 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)<br><br>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<br><br>Workshop report<br>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<br><br>Workshop report<br>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    | 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<br><br>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 and 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 translocations 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)   |

|   |  |   |            |  |                          |   |
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| 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)<br><br>List of participants of expert workshops<br>Discussion in | 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 4th 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<br><br>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 4 <sup>th</sup> 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<br><br>Manual<br><br>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 4 <sup>th</sup> 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 | Budget sources and status  |
|---|--|--|------------|--|-----------------------|--|
| 5.Support to inland fisheries management and conservation objectives  | Increased regional 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<br>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<br>Recommendation<br>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<br>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 |

**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 | 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<br>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        | 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<br>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<br><br>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<br>Training materials<br>Course prospectus<br>Lists of participants                        | 2011 -2015 | For information only                           | 500 000<br>(300 000 secured) | FAO FishDev Central Asia (100 000 confirmed for various technical training courses in the region)<br>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<br><br>Workshop reports<br>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<br><br>TBD project document to be developed   |

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| 7.4 Preparation of high quality training and education materials on various aspects of fisheries and aquaculture | Availability for aquaculture and fisheries entrepreneurs of information on the latest technologies and production systems | 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)<br>National institutions should inform the Commission about preparation of training materials – to avoid duplication of effort and disseminate information more widely |
|--|---|----------------------------------|-----------|----------------------|--------------------------|---|

## VII. PROGRAMME COORDINATION AND MANAGEMENT COMPONENT

### VII.1. Responsibilities:

**Commission.** The Commission as the supreme policy and decision making organ of the regional arrangement shall approve the work programme. It shall also decide on revisions between programme periods i.e. between the start and the end of the 5-year period. It shall oversee the implementation and evaluation of projects under the work programme. It shall promote the uptake of positive and relevant lessons and results from the work programme in policies and development programmes at the regional, national and sectoral levels.

**Secretariat.** The Secretariat will assist the TAC in formulating, monitoring, evaluating and following-up the work programme. Its main responsibility is to coordinate and manage the implementation of the programme. The Secretariat will be lead by the Secretary of the Commission. The Terms of Reference of the Secretary can be found in Annex A to the Rules of Procedure of the Commission.

**Technical Advisory Committee.** The Technical Advisory Committee (TAC) would formulate the work programme with the assistance of the Secretariat and provide the technical advice and inputs to assist the Commission in monitoring and evaluating the work programme. The TAC may propose the establishment of subsidiary bodies to work on specific technical issues or to provide a specified output; these subsidiary bodies deal with specific technical subjects, projects or activities. The exact Terms of Reference (TORs) of the TAC can be found in the Annex C to the Rules of Procedure of the Commission.

**National Focal Points.** The national focal points have important tasks in the implementation of the activities under the work programme. They advise the Commission about appropriate scientific and other research programmes, including possible annual revisions, within the limits of the available project budget. Moreover, they review and discuss the annual work plans offering proposals for and planning of scientific, training and other courses and seminars in the context of the Commission work programme and activities. The Terms of Reference of the National Focal Points can be found in Annex B to the Rules of Procedure of the Commission.

### VII.2. Coordination, management and funding arrangements

#### 2.1. *Planning, coordination and management*

The planning, coordination and direction of the work programme are core functions that are the responsibility of the Secretariat, which will work closely together with the TAC and National Focal Points.

#### 2.2. *National level implementation arrangements*

National level implementation of the activities and projects will be a major responsibility of the National Focal Points and their respective organizations designated by the member governments. They will provide national level coordination of the work programme (i.e. the activities and projects under the work programme) and, as needed, the manpower and material resources for such coordination function. It is anticipated that a national coordinator should be designated for each project.

#### 2.3. *(Sub)Regional and national centres*

A proven structure for a regional cooperative arrangement is one that comprises a few (two or three) (sub)regional centres that have responsibilities for certain species and production systems; national centres that will adapt for national application the results of the work from the (sub)regional centres. These (sub)regional centres conduct research, training and information dissemination at the regional level as well as in the countries where they are located, while the national centres perform the

adaptation work and extension activities to promote the technology at the national level. All centres as well as the national focal points and their respective organizations are engaged in information exchange.

#### **2.4. Personnel for work programme development, management and implementation**

The technical expertise to develop, organise and implement the programme, as well as to provide specialist advice and inputs to the component activities, will come from a number of sources, and a combination of schemes.

##### **2.4.1. Secretariat staff**

The basic technical expertise for project development and a coordination mechanism will be provided by the Secretariat personnel.

The secretariat will consist at the start of the Commission of one Secretary (part-time - FAO Fishery and Aquaculture Officer serving the SEC region – as in-kind contribution by FAO) and a full-time bi-lingual secretarial staff/administrative staff. The position of the bi-lingual secretarial staff is supported by the FAO Central Asia Regional Programme for Fisheries and Aquaculture Development, financed by the FAO Turkey Partnership Programme.

In accordance with article III of the Financial Regulations, the autonomous budget shall comprise of a administrative budget and operations budget.

The administrative budget in the first five years will also support a part-time website manager. The length of contract and work on the website will depend on the availability of administrative budget.

After the first 5 years it is required that the Commission members will finance at least one professional post - a full-time Secretary – from the Commissions' administrative budget. Secretariat personnel are internationally recruited international or regional staff. Apart from the Secretary, additional secretariat staff will be required. The Terms of Reference of these staff and funding requirements under the administrative budget will be determined by the Commission in the first 5 years.

National staff supported by the members of the Commission could be seconded to the Secretariat at any time for specific technical tasks and or general secretariat support tasks. A member or collaborating national centre or agency can assign, for a short period, staff to work at the Secretariat on certain aspects of a project being jointly implemented by the agency and the regional body. The honorarium and expenses made by these national staff will be covered by the member of the commission seconding these staff.

Through special linkages with Universities and other institutions, post-graduate students and/or volunteers, having the required expertise, may also be accommodated within the Secretariat. No honorarium will be paid to students and volunteers, but expenses made in relation to the work for the project or for the secretariat will be paid by the respective project or the autonomous budget.

##### **2.4.2. TAC**

Members will, through TAC, support the formulation, implementation and monitoring of the projects and activities under the work programme. The exact Terms of Reference (TORs) of the TAC can be found in the Annex C to the Rules of Procedure of the Commission.

The expenses made in relation to the attendance of TAC meetings will be covered by the Members of the Commission themselves, and is not included in the autonomous budget of the commission in the first 5 year period. The costs involved in participation of TAC members in projects, technical meetings and activities will be covered by either the project budget or the respective member of the commission.

### **2.4.3. Staff of (sub)regional and national centres**

The staff of centers will provide specialist technical inputs in formulating and implementing at the regional and national levels projects and activities under the work programme. Experts of the centres can take part in disciplinary or multidisciplinary or systems oriented research, training and information development activities.

### **2.4.4. Project staff**

These are specialists hired on a project basis either in the field or assigned to the Secretariat. They possess specialist skills and experience needed to formulate and/or execute specific projects. The specialists can be hired (depending on their skills, qualifications and project budget) under the FAO partnership programmes such as TCDC (Technical Cooperation between Developing Countries) and TCCT (Technical Cooperation between Countries in Transition) or as national consultants. Remuneration of the project staff is incorporated in the project budget and is paid from the proceeds received from implementation of a project.

### **2.4.5. Junior technical staff**

Junior technical staff can be assigned to The Commission and will be fully supported by collaborating agencies/governments to work either at the Secretariat or in specific projects that may be located elsewhere. Their services are for a short period, and meant to supplement available secretariat or project expertise. Their participation in the work programme is meant to also improve their own technical expertise for the benefit of their sponsor institutions or themselves.

### **2.4.6. Subsidiary bodies**

Subsidiary bodies can be established on request of the Commission. These subsidiary bodies can have different forms and titles. It is anticipated that they would be called “Specialist Task Forces” (STF). These Specialist Task Forces will comprise experts organized for a specific task under the Work Programme. They are groups of technical experts on the various disciplines required to execute the task. The STF can be staffed by experts from focal organizations, centres and collaborating agencies. A STF can be formed to tackle a certain special activity that requires multidisciplinary expertise such as development of policy guidelines, development of best management practices, development of training materials and courses, etc. STFs will respond to specific requests from the TAC and function in support of the work programme implementation.

## **VII.3. Funding and related arrangements**

Article XIV bodies should be self funding for most of its administration and operations.

Financial resources of the Commission shall come from (i) the autonomous budget of the Commission (through regular contributions of Members) and (ii) donations and other forms of assistance received from organizations, individuals and other sources. This means that the core funding of the work programme (including funding for secretariat support/staff positions) should take place by all Commission members together under the autonomous budget of the Commission.

FAO will provide in-kind support for the first five years through the provision of a part-time Secretary. Donations (i.e. extra-budgetary resources, provided by members of the Commission, FAO and others) in assistance of the Commission, its meetings and the work programme, shall be required. To make efficient use of international donor resources, a recurrent programme approach to multi-sectoral development under which donors can more effectively cooperate and collaborate is preferred. The FAO Central Asian Regional Programme for Fisheries and Aquaculture Development (FishDev- Central Asia) provides the model for this umbrella function for the first five years of the Commission. It is recognized that the financial and technical support from FishDev- Central Asia to the work programme will not be sufficient to cover all activities listed above. Additional (financial

and in-kind) contributions from the members of the Commission (and other donors) would be required.

The Secretariat will assist the Commission and the individual parties in the development of partnerships with donors to adopt more cohesive approaches and procedures to support development of inland fisheries and aquaculture in Central Asia and the Caucasus.

As described in the Agreement on the Central Asian and Caucasus Fisheries and Aquaculture Commission, Article X (EXPENSES), will be covered as follows:

Article X.1: Expenses of one delegate of a Party or his alternate to attend the annual session of the Commission would be covered under the budget of the Commission. Expenses incurred by other delegates, their alternates, experts and advisers when attending, as government representatives, sessions of the Commission and meetings of its subsidiary bodies including the Technical Advisory Committee, as well as the expenses incurred by observers at such sessions and meetings, shall be borne by the respective governments or organizations. The expenses of experts invited by the Commission to attend, in their individual capacity, sessions of the Commission and meetings of its subsidiary bodies including the Technical Advisory Committee shall be borne by the budget of the Commission.

Article X.4: The expenses incurred in connection with cooperative research or development projects undertaken in accordance with the provisions of Article III, paragraph 2 (d), unless otherwise available shall be determined and paid by the Parties in the form and proportion to which they shall mutually agree. Contributions for cooperative projects shall be paid into a Trust Fund which shall be established by the Organization and shall be administered by the Organization in accordance with the General Rules and Financial Regulations of the Organization.

### 3.1. Budget requirements

#### 3.1.1. Planning, administration, coordination and management

The indicative administrative budget covering the functioning of the Commission and this first Five-Year Work Programme period is:

| Administrative Budget  | 2012 in US\$  | 2013 in US\$  | Total 2012 - 2015 in US\$ | Comments  |
|--|---------------|---------------|---------------------------|---|
| <b>Professional staff</b>  |               |               |                           |   |
| None   | 0             | 0             | 0                         | Temporary arrangement supported by FAO  |
| <b>Administrative support</b>  |               |               |                           |   |
| Bi-lingual secretary/ administrative support to Secretariat (12 months annually)           | 30000         | 30000         | 120000                    | In support of fluent communication between the secretariat and the members        |
| Website manager (5 months annually)  | 10000         | 10000         | 40000                     | To design and maintain the website  |
| <b>Activities</b>  |               |               |                           |   |
| <i>(General operational)</i>   |               |               |                           |   |
| Equipment purchase for secretariat   | 5000          | 0             | 6400                      | Computers, printers, furniture, etc   |
| Duty travel of secretariat   | 5000          | 5000          | 20000                     | Technical, administrative and legal assistance                                    |
| Travel and accommodation of delegates to Commission meetings                               | 20000         | 20000         | 80000                     | 1 meeting per 12 months (15 countries/delegates per meeting)                      |
| Preparation and publication of meeting reports   | 20000         | 20000         | 80000                     | 10000 per report of TAC and the Commission  |
| Organization costs of Commission meetings and TAC meetings                                 | 10000         | 10000         | 40000                     | These funds will support the hosts of the meetings                                |
| Interpretation and translation services in support of Commission meetings and TAC meetings | 15000         | 15000         | 60000                     | 7500 per meeting (including also rental of simultaneous interpretation equipment) |
| Training of Secretariat  |               | 3000          | 8000                      |   |
| <b>Activities</b>  |               |               |                           |   |
| <i>(Technical)</i>   |               |               |                           |   |
| Contracts for work programme implementation  | 42480         | 42480         | 173920                    | in support of work on priorities of the Commission                                |
| Consultancies for work programme implementation  | 10100         | 12100         | 42000                     | in support of work on priorities of the Commission                                |
| <b>Sub-total</b>   | <b>167580</b> | <b>167580</b> | <b>670320</b>             |   |
| Miscell. (Contingencies 1%)  | 1800          | 1800          | 7200                      |   |
| FAO servicing costs (5.9%)   | 10620         | 10620         | 42480                     |   |
| <b>Total Administrative budget</b>   | <b>180000</b> | <b>180000</b> | <b>720000</b>             |   |

The indicative administrative budget is presented in detail for 2 years (2012 and 2013). It covers planning, administration, coordination and management costs of the Commission.

As 2011 is nearly ending, the 180 000 US\$ originally budgeted for implementation of the Work Programme (in 2011) has been removed from the above table and accordingly the total budget for the remaining period has reduced with 20% to 720 000 US\$. The implementation of the work programme in 2011 was exceptionally financed by FishDev Central Asia and the FAO Regular Budget; a situation which drew heavily on the resources available under FishDev and SEC and is not sustainable.

Thirty (30) percent of the administrative budget will be annually allocated for pertinent technical activities in support of the work programme of the Commission, if all members contribute to the autonomous budget.

The administrative and operational activities of the Commission will be further supported by FAO Regular Programme (remaining 4 years of the 5 years agreed to) and the Central Asia Regional Programme for Fisheries and Aquaculture Development (2012 and 2013).

| Other contributions   | 2012 in US\$ | 2013 in US\$ | Total for 4 years in US\$ | Observation  |
|---|--------------|--------------|---------------------------|--|
| <b>Contribution by FAO</b>  |              |              |                           |  |
| Executive secretary (P4) – part time (20%)  | 40000        | 40000        | 160000                    | In-kind (for first 5 years only)   |
| <b>Contribution by Donors</b>   |              |              |                           |  |
| Donor contributions in support of Commission meetings (2012 & 2013)                                 | 50000        | 50000        | 100000                    | From Turkey under FAO FishDev Central Asia Programme (in support of host institutions of meetings) |
| <b>Total extra-budgetary support to administrative and operational activities of the Commission</b> | <b>90000</b> | <b>90000</b> | <b>260000</b>             |  |

### 3.1.2. Implementation of the technical work programme

The technical work programme as detailed in section VII “The Technical Components of the First 5-Year Work Programme” of this document will largely rely on extra-budgetary funding of project and activities. In the budget table below the budget requirements as well as the extra-budgetary resources already made available (by donors) are shown on a project base.

At the moment of updating this work programme (August 2011) only 22 percent of the project costs are covered by extra-budgetary funding, while the administrative budget is expected to contribute some 6 percent to the costs of the work programme implementation. This means that a large part of the projects and activities under these project remain unfunded for moment.

Further and continued extra-budgetary assistance for member countries and other donors will be required. Wherever appropriate and applicable, activities will be implemented through technical cooperation in line with the objectives of cost-effectiveness and regional self-reliance in programme implementation.

The technical components of the work programme will be funded by autonomous and extra-budgetary resources (budget expressed in US\$).

| Technical components and projects   | Budget 2011 - 2015 | Budget secured | Donors (of secured funding)    | Autonomous budget US\$ support |
|---|--------------------|----------------|--------------------------------|--------------------------------|
| <b>Component 1:</b>   |                    |                |                                |                                |
| Project 1: Provision of technical advice on the modernization of laws and regulations governing fisheries and aquaculture | 292 000            | 132 000        | Turkey<br>Finland              | TBD <sup>2</sup>               |
| Project 2: Improvement of the fisheries and aquaculture data, information and trend reporting in the region               | 115 000            | 45 000         | Turkey<br>CACFish <sup>2</sup> | TBD                            |
| Project 3: Policies and strategies for sustainable regional development of fisheries and aquaculture                      | 265 000            | 95 000         | Turkey<br>FAO RP <sup>3</sup>  | TBD                            |
| <b>Component 2:</b>   |                    |                |                                |                                |
| Project 4: Support to the sustainable development of aquaculture in the region  | 800 000            | 240 000        | FAO TCP <sup>4</sup><br>FAO RP | TBD                            |
| <b>Component 3:</b>   |                    |                |                                |                                |
| Project 5: Support to inland fisheries management and conservation objectives   | 215 000            | 15 000         | FAO RP                         | TBD                            |
| <b>Component 4:</b>   |                    |                |                                |                                |
| Project 6: Fish and fisheries products post harvest quality and safety improvement  | 230 000            | 15 000         | Finland                        | TBD                            |
| <b>Component 5:</b>   |                    |                |                                |                                |
| Project 7: Support to research, technology development, training and education in fisheries and aquaculture               | 1 950 000          | 320 000        | Japan<br>Turkey                |                                |
| <b>Total budget</b>   | <b>3 867 000</b>   | <b>862 000</b> |                                | <b>215 920</b>                 |

### 3.1.3. Linkages with other regional organizations.

Some of the experiences, lessons, technology, information as well as expertise of other regional organizations working in inland fisheries and aquaculture (such as NACEE, NACA, Mekong River Commission, Southeast Asian Fisheries Development Center, EIFAC, GFCM, and others) will likely prove valuable for the Central Asian and Caucasus regions. Linkages with these bodies will be useful. An information exchange mechanism, in line with the relevant activity, will be established by the Secretariat to facilitate these linkages.

### 3.1.4. Participation in international events and forums.

In order to support the interests of the members of the Central Asian and Caucasus Fisheries and Aquaculture Commission in global forums, such as the FAO Committee on Fisheries and its subcommittees on Aquaculture and Trade, the Secretariat will advise the National Focal Points of such events and facilitate participation of members in these events, where possible. Development of joint statements by the members for use in these global forums will be assisted by the Secretariat (when required).

<sup>2</sup> Autonomous budget (5000 US\$ annually to compile a regional sector overview for the Commission)

<sup>3</sup> FAO Regular Programme (Subregional Office for Central Asia)

<sup>4</sup> FAO Technical Cooperation Programme (TCP) project