



**GENERAL FISHERIES COMMISSION FOR THE  
MEDITERRANEAN**

**COMMISSION GÉNÉRALE DES PÊCHES POUR  
LA MÉDITERRANÉE**



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## **Committee on Aquaculture**

### **Working Group on Sustainability**

#### **Workshop on Guidelines and application of indicators for sustainable development of aquaculture (InDAM)**

(Salamambo, Tunisia 19-20 November 2009)<sup>1</sup>

**Thursday 19<sup>th</sup> October**

*Morning session (9.00 – 13.00)*

#### **1. Opening and arrangements of the meeting**

*The technical aspects related to the organization and functioning of the meeting will be introduced.*

#### **2. Adoption of the Agenda**

*The Agenda of the meeting will be introduced and discussed. The rapporteur of the meeting will be designated.*

#### **3. Presentation of the Working Group on Sustainability and InDAM Project<sup>2</sup>.**

*A general introduction will be made about the overall aspects of the Working Group on Sustainability, on the main topics related with InDAM Project as well as on the PCI (Principles, Criteria, Indicators) approach. The main outcomes of the “Workshop on the selection of indicators for sustainable development of aquaculture” (November 2008, Montpellier, France) and of the “Expert Meeting for the Sustainable Development of Aquaculture in the Mediterranean” (February 2009, Montpellier, France) will be also recalled.*

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<sup>1</sup> the prospectus of this Workshop is in Appendix.

<sup>2</sup> Project InDAM. Indicators for sustainable development of Mediterranean Aquaculture is funded with the contribution of European Commission (EC) DG Mare.

#### **4. Indicators for the development of sustainable aquaculture in the Mediterranean**

*Contributions on indicators on sustainable aquaculture will be presented by participants`*

#### **5. Principles of the indicators for sustainable aquaculture**

*Discussion on the principles of the indicators of sustainable aquaculture selected during the first and the second meeting of the Working Group on Sustainability will be held. Comparative analysis between the principles selected and the principles available in the scientific literatures on the development of the sustainable aquaculture will be made.*

*Afternoon session (14.30 – 17.30)*

#### **6. Indicators for development of sustainable aquaculture - Methodological framework and InDAM Case Studies.**

*The results and follow up of the two pilot actions planned and carried out in Turkey (Mugla) and Tunisia (Monastir) will be presented and discussed. The agreed InDAM methodology to identify indicators, as well as the principles, criteria and indicators, identified for each dimension of sustainable aquaculture will be also presented.*

##### **6.1 The Turkish case study in Mugla**

*Approach and methodology applied, stakeholder involvement, results for environmental, economic, governance and social dimensions, main outcome of the pilot study, follow up*

##### **6.2 The Tunisian case study in Monastir**

*Approach and methodology applied, stakeholder involvement, results for environmental, economic, governance and social dimensions, main outcome of the pilot study, follow up*

**Friday 20<sup>th</sup> November**

*Morning session (9.30 – 13.00)*

**7. Guidelines on the use of Indicators for Development of Sustainable Aquaculture in the Mediterranean**

*Presentation of the review and discussion on the draft guidelines' scheme for the application of indicators (Governance, Economic, Social and Environment Dimension).*

**8. Discussion.**

*Afternoon session (14.30 – 17.30)*

**9. Conclusion and Recommendations**

- *Finalization of Discussions and Recommendations;*
- *Priorities of Working Group of sustainability;*
- *Follow up of implemented case study;*
- *Implementation of other pilot/case studies within the Mediterranean*
- *Follow up InDAM and Workplan for second year.*

**10. Other matters**

**11. Adoption of the report/recommendations**

**GFCM/CAQ Workshop on Guidelines and application of indicators for sustainable development of aquaculture (InDAM) – (2009, November 19-20 - INSTM, Salammbô (Tunis, Tunisia)**

*Prospectus*

At its fifth session held in Spain in June 2006, the Committee on Aquaculture (CAQ) reorganised its subsidiary bodies and reviewed and endorsed a short and medium Reference framework for the *ad hoc* Working Groups on: Working Group on Marketing on Aquaculture; Working Group on Siting and Carrying Capacity and Working Group on Sustainability.

The Project InDAM, “Indicators for Sustainable Development of Aquaculture and Guidelines for their use in the Mediterranean”, attempts to support the CAQ in its effort to address some of the priority issues identified and endorsed by the GFCM at its 31<sup>st</sup> session (January 2007). During the 32<sup>nd</sup> session of the GFCM (Rome, February 2008) the workplan presented by the CAQ was approved by the Commission.

The Project in support to the GFCM CAQ Working Group on Sustainability on Aquaculture (WGSA) is operative since November 2008 and is funded with the contribution of European Commission (EC) DG Mare.

The aim of INDAM is to provide the countries with a comprehensive decision-support tool for the sustainable development of aquaculture and based on a set of indicators, reference points and guidelines adapted to the Mediterranean region. The InDAM project further aims to establish a regional reference system for the development of sustainable marine aquaculture in the Mediterranean by intergrading social-economic and environmental aspects into coastal zone management.

The CAQ-WGSA organized a *First Workshop on the Selection of Indicators for the Sustainable Development of Aquaculture in the Mediterranean*, held in Montpellier (France) November 2008, with the support from IFREMER and from University of Montpellier, Faculty of Economic Sciences. The Workshop in particular aimed to review the experience of recent research initiatives and methodologies in the development of aquaculture indicators. During the meeting the methodological approach and time frame of InDAM were also discussed and agreed by the experts.

As follow up and within the InDAM Project a second meeting on indicators was held in Montpellier (February 2009), namely “*Expert Meeting on Indicators for the Sustainable Development of Aquaculture in the Mediterranean Sea*”. The meeting focused mainly on: finalizing the principle, the criteria and preliminary list of multidisciplinary indicators in relation to agreed methodology; identifying issues concerning the implementation of one or more pilot study to test and refine the indicators identified, based on multistakeholder meetings at local level. It was underlined that the pilot studies could also serve as a technical contribution to establish a local reference system for the development of aquaculture sustainability and its integration into coastal zone management. It was agreed on the proposal to make one pilot action study in Turkey and one in Tunisia.

In Turkey and in Tunisia two multistakeholder Technical Meetings on “*Indicators for the Development of Sustainable Aquaculture in the Mediterranean Sea*” were held respectively in Mugla on 28-29 September 2009 and in Monastir 13-14 October 2009. Both the meetings were attended farmers and professional associations, experts belonging different disciplines and different national institutions, from academicians and from representative of NGO. The two

meetings, among other, were aimed also to discuss and evaluate an indicator selection process at local level using selection criteria that had been agreed upon the last meeting of the Working Group on Sustainability on Aquaculture in Montpellier, France (February 2009).

In this context, within the framework of the CAQ –WGSA, the GFCM agreed to hold a “*Workshop on Guideline and application of indicators for sustainable development of aquaculture (InDAM)*”.

**Meeting objectives:**

The aim of this workshop is to present and discuss on the main issues related to the Indicators for Sustainable development of Aquaculture within the GFCM region.

Furthermore the workshop has been assigned the following objectives:

- a. to present the main achievements and results of the first year of InDAM;
- b. discuss, make synthesis and identify priorities on the main issues related to the Indicators for Sustainable development of Aquaculture;
- c. to discuss and summarize of the methodologies applied for the identification of the indicators;
- d. to present and discuss on the results of the two case studies held in Tunisia and Turkey;
- e. to discuss and make proposals for the preparation of guidelines to be developed within the context of the Mediterranean;
- f. to discuss on the main aspects, and proposals for the workplan of second year of InDAM in support to the WGSA and based on the work carried out and on the priorities gaps identified.

**Workshop aim features:**

Participation is open to experts and different stakeholders linked to the aquaculture issues in the GFCM member countries. A number of experts will be invited in their individual capacity from a range of disciplines (technical, legal, policy, environment, etc.), having involvement in the aspects related to the indicators for the sustainable development of Aquaculture. Active participation from attendees and their inputs on the issues covered are crucial to ensure the success of the workshop.

The outputs of the workshop will serve as basic contribution for the production of guidelines for the use of indicators for sustainable development of aquaculture in the GFCM region within the activities of CAQ-WGSA (InDAM Project).

**Support documents:**

(a list of documents in support to the Working Group will be available in a short time to the participants)

## Information for Participants

### 1. Date and Venue

The meeting will be held from 19 – 20 November, 2009 . Meeting hours will be approximately from 09:00 to 17:30.

The meeting will be kindly hosted by the INSTM (Institute National des Sciences et Technologies de la Mer). Salamambo Tunis, Tunisia. 28, Rue 2 mars 1934-2025 Salamambo Tunisie

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### 2. Contact Information

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### 3. Language

Documents will be available both in English or French. It is expected that working language for the meeting will be English.

### 4. Registration

Participants are invited to register in advance by using the registration form.