



GENERAL FISHERIES COMMISSION FOR THE
MEDITERRANEAN

COMMISSION GÉNÉRALE DES PÊCHES POUR
LA MÉDITERRANÉE



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**WORKSHOP ON TRAWL SURVEY BASED MONITORING FISHERY
SYSTEM IN THE MEDITERRANEAN**
Rome, Italy, 26-28 March 2007

Provisional Annotated Agenda and Timetable

Monday 26 March 2007

Morning 09:00 – 12:30

- 1. Opening and arrangement of the meeting**
- 2. Session 1: Status of knowledge on trawl survey undertaken in the GFCM area**
(Updating trawl survey activities: type of surveys, vessels, gears, frequency, covered GSAs, quality control methodology, etc.)

2.1. Inventory of trawl surveys performed in the Mediterranean Sea

The objective is to draw an inventory of all the surveys carried out in the Mediterranean Sea to monitor fishery resources and ecosystems, according to the form circulated before the meeting.

a/ Bottom trawl surveys

- The Medits survey: J. Bertrand and others
- A review of GRUND, a trawl survey in the Central Mediterranean Sea. *Relini G., Carpentieri P., Mannini A.*
- Algeria
- Croatia
- Greece
- Malta
- Montenegro
- Morocco
- Tunisia
- Spain
- Other countries

b/ Other surveys

- Hydraulic dredge surveys for the assessment of the clam resources (*Chamelea gallina*) in the Maritime Districts of Ancona and San Benedetto del Tronto, central Adriatic Sea, Italy: *E.B. Morello*

2.2. Conclusions for session 1

3. Session 2: Methodologies for trawl survey data used to assess fishery resources and the ecosystem, including the use of the biological and ecological indicators.

3.1. Survey methodology

- A proposal for reducing haul time in the Mediterranean experimental bottom trawl surveys. S. Ragonese
- Quality control of surveys at sea: Control of the sampling gear. J. Bertrand
- Rapido trawl surveys for stock assessment of *Solea solea* and other benthic resources in the northern and central Adriatic Sea – methodological aspects (SoleMon project) G. Fabi

Afternoon 14:00 – 18:00

Session 2 (Cont')

3.2. Indicators (Combining population indicators, population and community indicators, Specific models, use of indicators, Assemblages and biodiversity, Population abundance, etc....)

- Real-time indexes of demersal resources status within the Mediterranean experimental bottom trawl survey context. S. Ragonese
- Toward the establishment of length-at-age references for red mullet (*Mullus barbatus*) as a hint to support growth assessment in the Mediterranean geographical sub-areas (GSA). S. Ragonese
- Nursery areas. P. Lembo
- Medits working group “Species assemblages and biodiversity”. Gaertner JC, J.Bertrand, A. Kalianiotis, L. Gil de Sola, N. Ungaro, P. Vidoris, M. Murenu...
- Population abundance of Selacians. F. Serena
- Combining indicators trends. J. Bertrand
- Distribution mapping of elasmobranch species in the Greek seas based on the MEDITS data. Peristeraki P., Tserpes G., Politou C-Y., Kallianiotis A. and Papaconstantinou C.
- Identification of the nurseries of hake and deep-water pink-shrimp in the Greek waters using trawl survey data. C.-Y. Politou, A. Chilari, J. Dokos, A. Kallianiotis, G. Tserpes & P. Peristeraki
- Hake nurseries identification in the FAO-GSA 9 using a Bayesian geostatistical approach. G. Ardizzone, F. Colloca, G. Iona Lasinio, V. Bartolino, L. Maiorano, P. Carpentieri, A. Abella, A. Mannini, C. Viva, S. De Ranieri, G. Relini.

3.3. The use of trawl survey data in the ICES region for assessment.

- The use of trawl survey data in the ICES region for assessment. M. Armstrong

3.4. Linkage between trawl surveys and indirect assessment methods (How the data and indicators from trawl surveys can be used in the models of population dynamics, including biomass production models and age-structured models – VPA)

- Application of the Aladym model. P. Lembo
- DSA: Direct Survival Analysis. Its applications to trawl survey data (i. e. Medits). E. Ferrandis
- Application of a non-equilibrium surplus production model assessment using MEDITS data. Tserpes G., Haralabous J. and Maravelias C.

3.5. Any other matters

3.6. Conclusions for session 2

Tuesday 27 March 2007

4. Application test: The utilization of trawl surveys data for stock assessment purposes using two variants of surplus production models

The aim of this session is to test an application of surplus production models with the data brought by the participants. The application will be made during the meeting with a tool at the participant's disposal. The participants are invited to come to the meeting with their own computer. The method as well as the information to be brought by the participants are described in a document available in the WS website. Co-ordinator: A. Abella.

Conclusions of the application test

Wednesday 28 March 2007

Morning 09:00 – 12:30

5. General conclusions

6. Closure of the Workshop