

Supplementary material on the methodology Part XI

First questionnaire on European eel fishery-related data collection submitted to national focal points

Research programme on European eel: towards coordination of European eel stock management and recovery in the Mediterranean

Work Package 5 – GFCM-DCRF Task VII.6 European eel

Questionnaire 1 - EEL FISHERY-RELATED DATA COLLECTION

The purpose of the present Questionnaire is to collect information on the methods for collecting eel fishing data at the national level, also in compliance with the GFCM-DCRF **Task VII.6 European eel**. The Questionnaire is addressed to the officers/scientists actually carrying out technical activities for eel fishery-related data collection, processing and transmission to national authorities.

COUNTRY: _____

REGION/ADMINISTRATIVE UNIT/MANAGEMENT UNIT: _____

COMPILER: Name _____ Institution _____

E-mail _____ Telephone _____

Section A - GENERAL PURPOSE OF THE EEL FISHERY DATA COLLECTION IN PLACE

Please tick the box of interest. If necessary, tick several boxes

Specifically for GFCM-DCRF

For national purposes National statistical system

Local statistical system, specify _____

Other, specify _____

For EU frameworks EU-Map

Eel Regulation

WFD

Other, specify _____

For other frameworks, specify _____

Section B - GENERAL METHODOLOGY FOR THE COLLECTION OF RAW DATA

Please tick the box of interest. If necessary, tick several boxes

- Is there a protocol/standard operating procedure? Yes No

If Yes: The procedure was established on purpose for eel fisheries

The procedure was adapted from protocol in place for other fisheries

(specify: _____)

- Is the system Fishery-dependent Fishery-independent

B1 For fishery-dependent systems, raw data are collected based on:

Please tick the box of interest. If necessary, tick several boxes

Registrations in this case: Fishers Companies Vessels

Logbooks in this case: Catch reports Specifically designed logbooks

Questionnaires filled in by respondents are Posted Handed in Sent by mail

Is there a check for errors or no response? Yes No

Filled in by an interviewer

Interviews Structured interviews Open interviews

Individual interview Panel interview with a group of fishers

Who carries out the interview? Specify _____

Direct observations of Landings Markets Catch samples

Who carries out observations? Specify _____

Other, specify _____

B2 Coverage of the surveys

Please tick the box of interest. If necessary, tick several boxes

- Collection of raw data targets:

All fishers All companies Fleets

Samples of fishers: how is the sample extracted? Specify _____

- Participation of fishers in the survey is Mandatory Voluntary

- Collection of raw data is carried out in:

All fishing sites

Specific sites: how are the sites chosen? Specify _____

- Collection of fishery data addresses:

Eel by life stage: Glass eel Yellow eel Silver eel

Cumulated life stages: All stages Glass eel + yellow eel Yellow eel + silver eel

- Timescale of the surveys

Day Week Month

Several months: specify Two months, Quarter, Semester, Other _____

Annual

- Spatial scale of the survey

Fishing site Catchment: River/River stretch/Lake/Lagoon

Management Unit (MU): MU established for eel MU established for other purposes

(Specify: _____)

Administrative region

Other administrative unit: specify _____

** If possible, provide list or map*

B4 Methodology for fishing effort

Please tick the box of interest. If necessary, tick several boxes

- Does the survey address recording of fishing effort? Yes No

- If Yes, which data are recorded?

Type of fishing gear: is there a reference list of fishing techniques? Yes No

Eventually specify _____, possibly provide the list

Size of the gear Material Mesh Other, specify _____

Number of each type of fishing gear

- Is the fishing time addressed? Yes No

- If Yes, which data are recorded?

Length of time of installation/functioning of the gear

Fishing days Fishing hours

Other: specify _____

B5 For fishery-independent systems

Please tick the box of interest. If necessary, tick several boxes

Are these methods used: Regularly for GFCM-DCRF Occasionally

Specify purpose _____

Regularly for other frameworks (specify: _____)

Never used

- What raw data are collected?

Abundance Numbers Biomass

(Specify unit: _____)

Biological data: specify _____

Other: specify _____

- What methods are used?

Electrofishing

Mark-recapture

New technologies (acoustic cameras, sensors, etc.: specify _____)

Other (specify: _____)

Additional details: _____

B6 Collection of other data

Please tick the box of interest. If necessary, tick several boxes

- Are data on local eel stocks collected? Yes No

If Yes, which data are collected? Specify: _____

- What is the use of data on local stocks?

For GFCM-DCRF: specify _____

For assessment

For other uses: specify _____

- Are socioeconomic data recorded? Yes No

If Yes, which data are collected? Specify: _____

***Section C - STORAGE, SYNTHESIS AND ANALYSIS OF EEL FISHERY DATA
COLLECTED FOR GFCM-DCRF TASK VII.6 EUROPEAN EEL***

Please tick the box of interest. If necessary, tick several boxes

- How are data archived? Paper logbooks Electronic database Online system

Other archive, specify _____

- Where are data actually stored? Specify _____

- Who is responsible for data keeping? _____

- Is there a quality check of raw data collected? Yes No

If Yes, specify _____

- Are the data statistically processed? Yes No

If Yes, who performs the statistical processing? Specify _____

If Yes, what is the purpose of data processing?

Compliance to GFCM-DCRF online submission

National statistics Other statistical systems

National reporting or assessment, specify _____

International reporting, specify _____

Other, specify _____

If Yes, which data are processed?

Catch Fishing effort Biological data, specify _____

Socioeconomic data

If Yes, what is the type of processing?

Aggregation Expansion

Other statistics, specify _____

If Yes, what is the level of processing?

By spatial units, specify _____

By time units, specify _____

By habitat typology, specify _____

By fishing typology, specify _____

By eel life stages, specify _____

Other, specify _____

Section D - DIFFICULTIES, PROBLEMS, BOTTLENECKS (IF ANY) ENCOUNTERED FOR THE COLLECTION OF EEL FISHERY RELATED DATA

Please indicate here eventual problems arising in the work related to the GFCM-DCRF eel fishery data collection when complying with Table VII.6 European eel, concerning methodologies and implementation, on any aspect: raw data collection, data processing, data storage and transmission, compliance with data calls...