SAC GFCM. Subcommittee of Stock Assessment

Assessment form
Information and instructions

During the last meeting of the Scientific Advisory Committee (SAC) of GFCM, it was agreed that resource assessment forms should be prepared and distributed.

For the time being, the aim of delivering these assessment forms is to make an estimation of our real possibilities to yield useful results for the management of our fishery resources.

Each assessment will consist of several sheets of paper sharing the same code. The format will be at the option of the person in charge. Each assessment will take, at least, one sheet of paper numbered "0" (Sheet #0) and will also include no less than one copy of sheets "B", "P1" and "P2a". It is not compulsory to fill out any of the other sheets that make up this assessment form, but the person in charge is supposed to fill out some of them: otherwise no assessment is actually made. There may be more than one copy in several cases. Sheets "D" (diagnosis) and "Z" (conclusions and recommendations) should be considered as essential too.

Sheet	Title	Contents	# of sheets	Priority
0	Preliminary basic data on the assessment	Species, person in charge, date and code. All the sheets that belong to the same assessment share this code.	1	Indispensable Indispensable
В	Biology of the species	Biological parameters used in the analyses (it is assumed that only one set of parameters is used)		
P1	General information about the fishery	Catches by gear and associated fleet	1 or more	Indispensable
P2a	Fishery by gear	Time series for the type of gear in question, including structure by size (or age)	At least as many as in previous section	Indispensable
P2b	Fishery by gear	Accompanying species and regulations applicable to gear	At least as many as in previous section	If available
TS1	Direct methods: swept area			If available
TS2	Direct methods: swept area			If available
TS3	Direct methods: swept area			If available
TS4	Direct methods: swept area			If available
AS	Direct methods: acoustics			If available
PH	Direct methods: egg production			If available
G	Indirect methods: global model	Description of model, data, parameters and results of each analysis	As many as used in the analysis	If available
A1	Indirect methods: VPA, LCA	Description of model used and of general results of an analysis	As many as used in the analysis	If available
A2	Indirect methods: data	Description of data used by gear for the analysis in A1	As many as used in the analysis by gear	If available, requires A1
A3	Indirect methods: results of VPA	Detailed description of results by gear, structured by size or age	As many as used in the analysis by gear	If available, requires A1
Y	Indirect methods: Y/R	Description of model, data, parameters and results	As many as used in the analysis	If available
D	Diagnosis	Synthesis of results of analyses and diagnosis on the state of resources	1	Indispensable
Z	Objectives and recommendations	Set the objectives to be attained and recommendations for their attainment	1	Indispensable
C	Comments	At the option of the person in charge	Unspecified	If available

February 21st, 1997

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Assessment form	Sheet AS
Direct n	nethods: acoustics

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Code	ACOUMED0408
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Cruise		prospection and estimate of the	В/О	"Al Amir Moulay Abdellah"		
		small pelagic of the Moroccan	elagic of the Moroccan			
	Mediterranean: "ACOUMED0408"					
Total area (km²) 675 nautical mile				Date	April 2008	

Objective (in	- Establishment of the space distribution cards of principal species the small		
general)	pelagic ones;		
	- Determination of their indices of abundance;		
	- The estimate of the biomass of their stocks		
Target species	Sardina pilchardus, Engraulis encrasicolus, Trachurus trachurus, Scomber japonicus		
Echosounder	EK 60 and integrator BI 500		
Sampling strategy	radial separated by 5 miles and prospection in zigzag		
ESDU	- TVG 20 log R		
	- Sv colour min -67 dB		
	- TS Colour minimum -60 dB		
Pulse duration	1 ms		
Echogramm	15 metres and 400 metres		
identification			
Samples (gear used)	Japanese pelagic crawl; The panels used for this trawl are of type O.B (Al), 1.44 m ²		
	(216.4 kg). Speedy prospection is 10 knots, Speedy fiching is 3,5 knots		
Biological data	specific composition of the catch of scientific fishing		
obtained	structures of the frequencies of size per species		
	targets relation betwen length and weight		

Results obtained.	Sardina pilchardus: 155.000 tons
(Biomass in metric tons,	Engraulis encrasicolus : 9.000 tons
amount of fish etc.)	Trachurus trachurus: 40.000 tons
	Scomber japonicus: data echo-integration not sufficient to carry out an estimate
	of its stock

Comments

These instantaneous biomasses were of 155 thousand tons for sardine, of 40 thousand tons for the chinchards, and 9 thousand tons for anchovy.

The comparison between the recent estimates of biomasses with those carried out during the acoustic program of the year 2007, show an increase of approximately 35,5% for the stock of sardine against a fall of the hors maker of about 53% for the stock of the hors maker.

With a biomass estimated at 9,2 and 9 thousands tons of anchovy respectively during the years 2007 and 2008, the anchovy stock is almost stagnant.