

- The General Authority for Fish Resources Development (GAFRD) Ministry of Agriculture, is the state agency responsible for managing and controlling Egyptian fisheries including the enforcement of the fisheries legislation with the support of the coastal guard.
- The two important parts of the fishery information system in GAFRD are the fishing fleet census, and the catch statistics collection system.
- SAMAC is now under implementation in the GAFRD main office in Cairo.

Fisheries profile

- Bottom Otter Trawl Fishery

 1061 registered bottom otter trawlers in Mediterranean
 coast of Egypt (average length of 19.2 m, varies from 16 to
 30 m).
- Powered by a main engine of 50 to 800 hp with the majority (86 %) from of 100-250 hp (GAFRD, 2009).
- Target species are shrimps (Penaeus spp., Metapenaeus spp., and Marsupenaeus spp.), Sepia officinalis, and Mullus spp, Saurida undosquamis and species of the family Sparidae.

Purse Seine Fishery

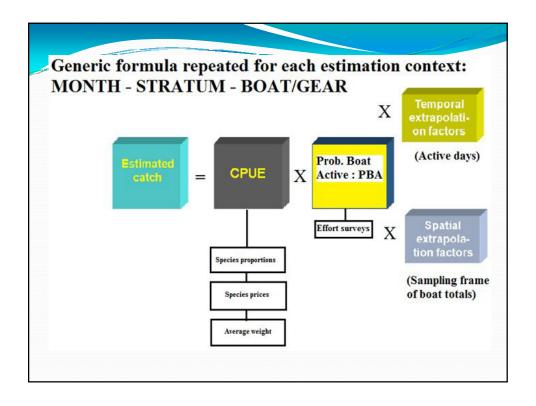
- 238 registered purse seiners, which ranged from 15 to 25 m in length.
- Powered by engines from 50 to 500 hp with the majority (68 %) having engines from 100 - 200 hp (GAFRD, 2009)
- Sardines (Sardinella aurita) and European anchovy Engraulis encrasicolus are the main target species.

Artisanal Fisheries (Long line and Gill – trammel nets)

- 1797 vessels, which range from 7-15 m in length
- Powered by small outboard or inboard engines from 8 to 150 hp (GAFRD, 2009).
- Target both demersal and pelagic species which change from one season to another.

Guidelines for the collection of Catch and Effort data

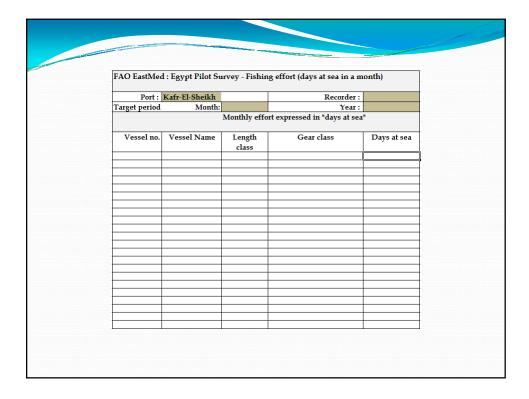
 Data collection forms were drafted and field-tested and workplans were agreed upon with respect to data collection. Concerning computer operations the GAFRD-owned catch/effort system SAMAC has been operating since June 2011 for handling the basic functions of the sample-based catch/effort programme.



Landings – daily sampling and effort requirements for >=90% spatial and temporal accuracy

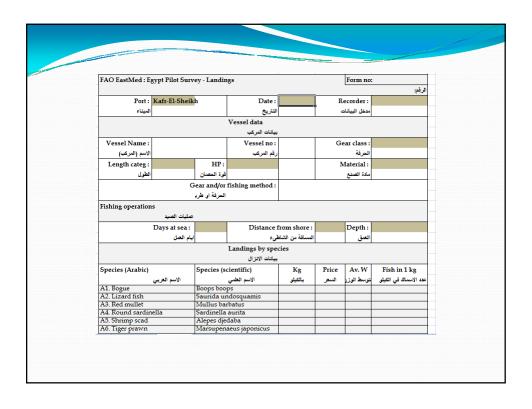
Boat/Gear	# of units	POP	1	2	3	4	5	6	7	8	TOT	RED
		size ⁷										LIMIT ⁸
Trawlers	638	19140	6	6	6	6	6	6	6	6	48	32
Longliners	166	4980	5	5	5	5	5	5	5	5	40	26
Purse seiners	16	480	3	3	3	3	3	3	3	3	24	16
Trammel net	12	360	3	3	3	3	3	3	3	3	24	15

Boat/Gear	# of units	POP	# boats to be	RED
		size ⁹	sampled (asked)	LIMIT
Trawlers	638	638	25	17
Longliners	166	166	20	12
Purse seiners	16	16	8	6
Trammel net	12	12	7	5



Guidelines for the collection of Biological data

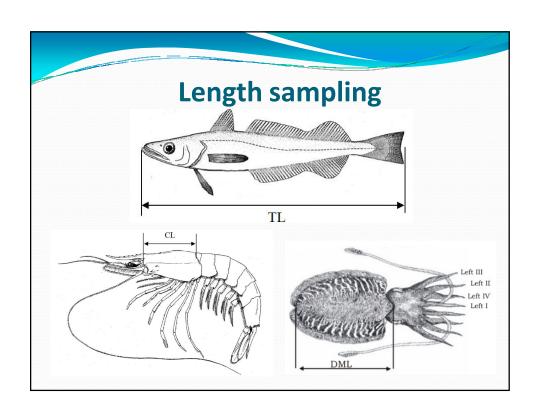
- Sampling methods and frequency of sampling
- Port sampling
- Sample storage
- Collection of Biological parameters

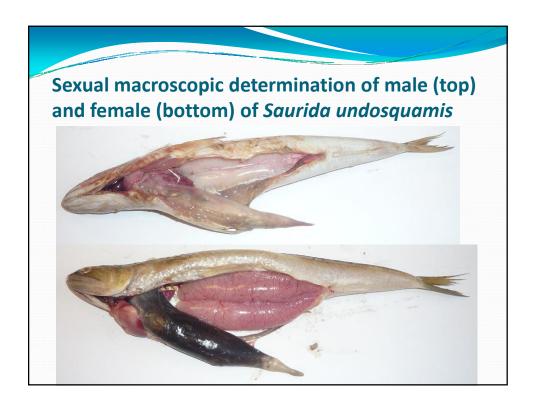


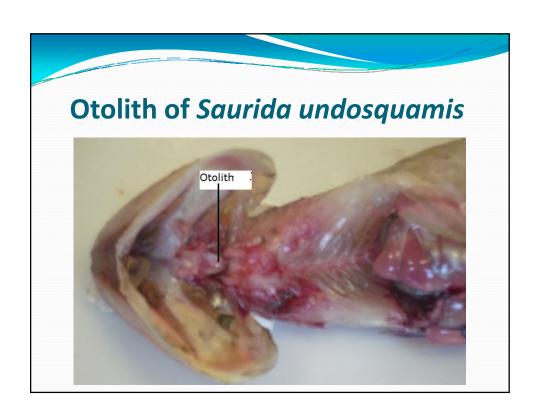
Species selected for biological sampling together with the quantity of samples (kg) per port, month and size category

GFCM Fleet s	egment	GFCM Fishing gear class	Stock	GFCM Target species group	Port	Size category at	Quantity of Fish to be
		gear class		species group		landings	
							sampled (Kg)
					Port Said	Large specimens Small specimens	2
				Small	Damietta	Large specimens	2
					Damietta	Small specimens	2
Purse Seine	12-24	Seine Nets	Sardinella aurita	gregarious	Kafr-El-Sheikh	Large specimens	2
					Kan-El-Sheikh	Small specimens	2
				pelagic	Maadia	Large specimens	2
					iviaadia	Small specimens	
					Port Said	Large specimens	2
					Torroadu	Small specimens	2
				١ ـ .	Damietta	Large specimens	2
			Mullus surmuletus	Demersal	Dunnettii	Small specimens	2
			Muttus surmutetus	shelf Species	Kafr-El-Sheikh	Large specimens	2
				shell species	THE LI SECTION	Small specimens	2
					Maadia	Large specimens	2
						Small specimens	2
					Port Said	Large specimens	2
						Small specimens	2
				Demersal	Damietta	Large specimens	2
			Saurida undosquamis	Demersal		Small specimens	2
			Sauriaa unaosquamis	shelf Species	Kafr-El-Sheikh	Large specimens	2
				shell species		Small specimens	2
					Maadia	Large specimens	2
Traw1	12-24	Trawl				Small specimens	2
114441	12 21	11441	n : 1 .		Port Said	Large specimens	2
			Penaeus semisulcatus,			Small specimens	2
			and Metapenaeus	Demersal	Damietta	Large specimens	2
				Demersia	77 0 71 01 31	Small specimens	2
			stebbingi and/or other	shelf Species	Kafr-El-Sheikh	Large specimens	2
			species in the same box		14 1	Small specimens Large specimens	1
	1		species in the same box		Maadia	Small specimens	2
					D +0.11	Large specimens	2
					Port Said	Small specimens	2
					· · ·		2
				Demersal	Damietta	Large specimens Small specimens	2
			Sepia officinalis	2001000000	Kafr-El-Sheikh	Large specimens	2
	1		-1	shelf Species	Mair-El-Sheikh	Small specimens	2
					Maadia	Large specimens	2
					iviaadia	Small specimens	2
						omini specimens	4

BIOL	OGICAL 1	DATA ENT	RY SHEET				
Date	Vessel name Gear		Gear	Total weig	ght of sample	e (kg)	Page No.
Arabi	c name :			Scientific	name:		
No.	Length (mm)	Individua Weight (g	I	Sex (F/M/U)	Maturity Stage	Gonad wt. (gm	- 1
1	, ,						
2							
3							
4							
5							
6							
7							
8							
9							
10							







- The program was in test phase during last six months (June - December 2011) and the regular sampling program in monthly basis started from January 2012.
- Twenty data collectors were trained for conducting both catch – effort and biological data record from assigned five ports.

Thanks for attention

• A pilot survey first on Catch and Effort data which was then followed by biological sampling has been started in Egypt with the Support of the EastMed project. The aim of the protocol is to assist the data collectors both in the field to conduct sampling during the pilot phase. The protocol contains guidelines on the routine collection of catch and effort data from the ports of Alexandria, Damiette, Kafr-El-Sheikh, Madiaa, Port Said and AlAreash. The second part of the document describes guidelines for the collection of biological data including length, weight, sex, sexual maturity, gonad weight and hard structures for age reading. It also includes guidelines on sampling frequencies and number of samples to be collected for both catch, effort and biological data. The protocol will also serve as a basis if Egypt intends to pursue a routine data collection system for the collection of fisheries data for stock assessment purposes.