



**GENERAL FISHERIES COMMISSION FOR  
THE MEDITERRANEAN  
COMMISSION GÉNÉRALE DES PÊCHES  
POUR LA MÉDITERRANÉE**



<b>COMMITTEE ON AQUACULTURE (CAQ)</b>
<b>Eighth session</b>
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<b>SIPAM Quick Start Guide for National Coordinators (updated)</b>



GFCM - CAQ - Aquaculture Portal  
[www.faosipam.org](http://www.faosipam.org)

# Quick Start Guide

## FOR NATIONAL COORDINATORS

- 1 - Capture Based Production
- 2 - Production Statistics
- 3 - Production Centres



Draft version - March 2013



## PREPARATION OF THIS DOCUMENT

This document has been prepared by the GFCM Secretariat in the framework of SIPAM, the official aquaculture web-portal of the General Fisheries Commission for the Mediterranean (GFCM).

### ABSTRACT

The “*SIPAM Quick start guide for National Coordinators*” has been conceived to help National Coordinators (NCs) to submit Capture Based Production, Production Statistics and Production Centres data through the SIPAM system in compliance with the recommendation GFCM/35/2011/6.

*For further information on*  
***SIPAM Quick Start Guide for National Coordinators***  
*please contact:*  
GFCM Secretariat ([GFCM-Secretariat@fao.org](mailto:GFCM-Secretariat@fao.org))

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## USER PROFILE

### 1.1 Anonymous User

Once the user gets into the SIPAM website he/she starts surfing as Anonymous User: he/she may access the home page and consult all the information stored on it (News, Events, Publications), but with limited access to the SIPAM Databases (Warehouse section).

### 1.2 Registered User

To register as a SIPAM user, one has to click on the *Register* button placed on the left of the menu column and fill in all the required information (*Sign up for your new account*).

**SIGN UP FOR YOUR NEW ACCOUNT**

User name:

Password:

Confirm password :

E-mail:

Password reminder question:

Password reminder answer:

*\* mandatory fields*

[\[ ? Help \]](#)

**Password**

Minimum password length: 3.  
Required special characters: 1.  
(Special characters . / ? @ ' ; : , ) ! ? % \*

Once the user has compiled the form, he/she will receive an email (sent by [Admin@Sipam.org](mailto:Admin@Sipam.org)) which contains a web-link to be used to complete the activation procedure.

By clicking on the web-link, the user will be redirected to the *UserID Activation* panel where he/she has to 1) specify the required information, 2) accept the rules provided by the Privacy Policy of the System (by checking on the *I agree* box), 3) click on *Active Sipam userid* button.

**USERID ACTIVATION**

Surname

Name

Country

**Terms**

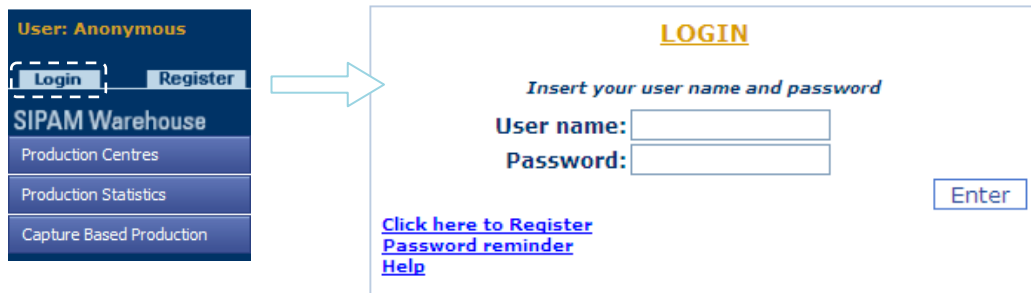
Privacy Policy 1

By accessing this site, certain information about the User, such as Internet protocol (IP) addresses, navigation through the Site, the software used and the time spent, along with other similar information, will be stored on GFCM (?) servers. These will not specifically identify the User. The information will be used internally only for web site traffic analysis. If the User provides unique identifying information, such as name, address and other information on forms stored on this Site, such information will be used only for statistical purposes and will not be published for

I Agree

When the activation procedure is completed, the user will be in the condition to access into the system.

The registered user may then access the SIPAM Warehouse section by utilising his/her *User Name* and *Passord* (to be typed into the *Login* panel).



User: Anonymous

Login Register

SIPAM Warehouse

Production Centres

Production Statistics

Capture Based Production

**LOGIN**

Insert your user name and password

User name:

Password:

Enter

[Click here to Register](#)  
[Password reminder](#)  
[Help](#)

*if you do not remember your username, please contact the [SIPAM Administrator](#) for assistance*

### 1.3 National Coordinator

Upon registration, the National Coordinator is granted user rights by the GFCM Secretariat, thus being allowed to submit data in compliance with *recommendation GFCM/35/2011/6 on reporting of Aquaculture Data and Information*.

## PRODUCTION CENTRES

### 2.1 Structure

The SIPAM *Production Centres* section is composed of two modules: 1) Insert Production Centres, 2) Modify Production Centres.

### 2.2 Insert Production Centres

By clicking on *Insert Production Centres*, the user will access the data-entry form composed by five sub-sections: Submission Information, Cultured Species, Total Volume (m<sup>3</sup>) - Culture facilities, Destination of Product (Percentage), Source of Information.

User: XXXXX

Logout

SIPAM Warehouse

- Production Centres
  - Insert Production Centres
  - Modify Production Centres
- Production Statistics
  - Insert Production Statistics
  - Modify Production Statistics
- National Summaries
- Tailor-made Reports
- Production Statistics Data Analysis Tool
- Capture Based Production

**Production Centres**

1. Submission Information

Country

Year

Production Segment

Environment

Number of Production Centres

Through this first sub-section the user can proceed to fill in the information about the country (only the national coordinator country will be displayed), year, production segment (hatchery/nursery, ongrowing farms), environment (marine water, fresh water, brackish water) and number of production centres.

2. Cultured Species

Scientific Name	Common Name	3-Alpha Code	Remove
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

No cultured species selected.  
Please add at least one.

Remove Selected

The second sub-section is designed to facilitate the selection of the cultured species. NC may opt to use the auto-filter features by start typing text into one of the three available boxes: scientific name, common name, 3 alpha code. By clicking on the *Add from the list* bottom the selected species will be recorded.

Proceeding with the data entry, NC can fill in information on the volume (m<sup>3</sup>) of: bottom culture, cage, dam/reservoir/barrage, enclosure and pen, fish and rice culture, hatchery, lagoon, pond, raceway and tank, suspension culture.

3. Total Volume (m<sup>3</sup>) - Culture facilities

Bottom culture

Cage

Dam/reservoir/barrage

Enclosure and pen

Fish and rice culture

Hatchery

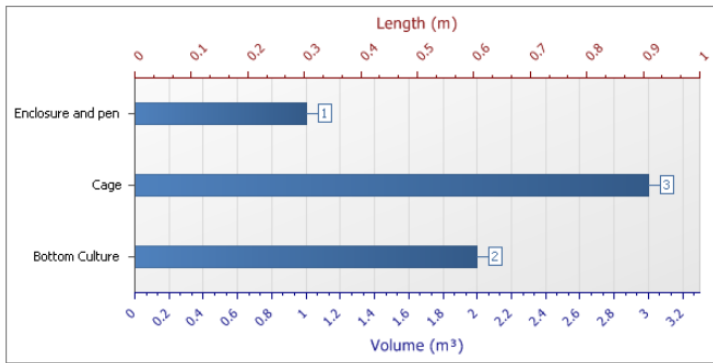
Lagoon<sup>2</sup>

Pond

Raceway and tank

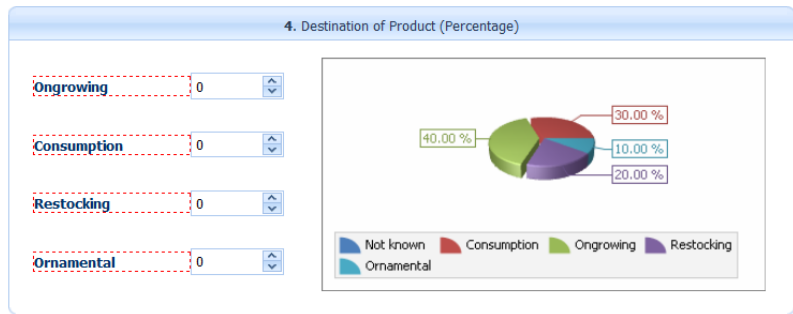
Suspension culture<sup>1</sup>

<sup>1</sup> If molluscs are grown on ropes, length unit may be used  
<sup>2</sup> Lagoons-related values are expressed in hectares.



As soon as the information on the volume (m<sup>3</sup>) are filled in, the dynamic chart will be populated automatically and in real time.

Through the fourth section, user can insert information on the destination of product (percentage) of: ongrowing, consumption, restocking, ornamental. The dynamic chart will be populated automatically and in real time.



The last sub-section is meant to be used for the submission of the source of information.

Once all the required information (enclosed in red boxes) has been filled in, the user will get to the confirmation page by clicking on the *Submit* button.

By clicking on the right-down button “*Yes, submit this form*”, the user will confirm the submission of the information into SIPAM thus receiving confirmation by email.

You are about to publish this information on SIPAM. Proceed?	
Bottom culture	22
Cage	34
Dam/reservoir/barrage	212
Enclosure and pen	4
Fish and rice culture	
Hatchery	
Lagoon <sup>2</sup>	
Pond	
Raceway and tank	
Suspension culture <sup>1</sup>	222

**Aquaculture Production Centres data submission**  
Data submission receipt - For your records

1. Submission Information (Record no. 13)

Country	2007	Production Segment	Ongrowing farms
		Number of Production Centres	3

2. Cultured Species

Penaeus indicus (Indian white prawn), Palaemonetes varians (Atlantic ditch shrimp), Pacifastacus lenisculus (Signal crayfish)

3. Total Volume (m<sup>3</sup>) - Culture facilities

Bottom culture		Hatchery	
Cage	45	Lagoon	42
Dam/reservoir/barrage	45	Pond	66
Enclosure and pen		Raceway and tank	
Fish and rice culture		Suspension culture <sup>1</sup>	

The “No, I want to amend some data” button will allow the user to modify the information just filled in.



## 2.3 Modify Production Centres

National Coordinators (NCs) can apply amendments to the submitted data by clicking on *Modify Production Centres* button. The content of the table can be easily filtered by utilizing the header of each column. An export facility to excel of the search results is also granted.

User: XXXXX

[Logout](#)

**SIPAM Warehouse**

Production Centres

- [Insert Production Centres](#)
- [Modify Production Centres](#)
- [Production Statistics](#)
- [Insert Production Statistics](#)
- [Modify Production Statistics](#)
- [National Summaries](#)
- [Tailor-made Reports](#)
- [Production Statistics Data Analysis Tool](#)
- [Capture Based Production](#)

### Modify Production Centres

Please use the grid below to filter the Production Centres entries.  
Click on the [Record Id](#) to edit the data submission.

Record Id	Year	Country	Production Segment	Environment	No. of Centres	Source	Submission Date	Last Mod. Date
<a href="#">3</a>	2009	test2	Ongrowing farms	Marine water	16	test2	27/01/2012	01/08/2012
<a href="#">4</a>	2011	test	Hatchery / nursery	Fresh water	55	test	02/02/2012	01/08/2012

Page 1 of 1 (9 items)    < [1] >

[Export this search to excel](#)

NCs can open each Production Centres entry by clicking on the Record Id (first column).

## PRODUCTION STATISTICS

### 3.1 Structure

The SIPAM *Production Statistics* section is composed of five modules: 1) Insert Production Statistics, 2) Modify Production Statistics, 3) National summaries, 4) Tailor-Made Reports, 5) Production Statistics Data Analysis Tool.

### 3.2 Insert Production Statistics

By clicking on *Insert Production Statistics*, the user will access the *Statistics Management* form for data-entry purposes which is composed by four sub-sections: Submission Information, Production Details, Data Information, Certification.

**Production Statistics**

**Kindly Remind**

Please enter the data in the form below and click on the Submit button  
 Mandatory fields are enclosed in red boxes.  
 All data should be entered in English.  
 The terminology has been reviewed in compliance with the Appendix 2 of the SIPAM 11 Report.

**Submission Information**

1 Country  
 2 Year  
 3 Environment  
 4 Cultured Species  
 5 Statistical Area

Quick Select Species

By clicking on the *Question Mark* button the user will be immediately provided with the official definitions of **Environment** adopted by SIPAM.

**Environment**

The terms actually in use into the SIPAM system are Freshwater, Brackishwater Marine water and Other. Many participants considered that two categories like Freshwater and Saltwater (Brackish + Marine) could be enough to classify the different culture environment.

**Freshwater Culture**  
 By freshwater culture is understood the cultivation of aquatic organisms where the end product is raised in freshwater, such as ponds, reservoirs, rivers, lakes, canals etc., in which the salinity does not normally exceed 0.5‰. Earlier stages of the life cycle of these aquatic organisms may be spent in brackish or marine waters.

**Brackishwater**  
 Culture By brackishwater culture is understood the cultivation of aquatic organisms where the end product is raised in waters of fluctuating salinity in a range between 0.5‰ and full strength seawater. Culture utilizing relatively high salinity water originated from inland water bodies should be considered as brackishwater culture. If these conditions do not exist or have no effect on cultural practices, production should be recorded under either "Freshwater culture" or "Mariculture". Earlier stages of the life cycle of these aquatic organisms may be spent in fresh or marine waters.

**Mariculture**  
 By mariculture is understood that the cultivation of the end product takes place in seawater, such as fjords, inshore and open waters and inland seas where salinity is generally high and is not subject to significant daily or seasonal variations. Earlier stages in the life cycle of these aquatic organisms may be spent in brackishwater or freshwater.

The *Quick Select Species* button allows the user to access to the **Common Species Shortcuts** which may help in selecting the species itself. A sort facility is provided by clicking on the top of each column: Scientific Name, Common Name and 3-Alpha Code.

**Common Species Shortcuts**

Image	Scientific Name	Common Name	3-Alpha Code	#
	<i>Anguilla anguilla</i>	European eel	ELE	Select
	<i>Argyrosomus regius</i>	Meagre	MGR	Select
	<i>Dicentrarchus labrax</i>	European seabass	BSS	Select

Production Details

Method of Culture Farming Structure Type of product

Total Quantity (tonnes) Currency Total value

Method of culture

**Extensive culture**  
The cultured stock obtains all the nutrition required from the natural food produced in the containment where it is reared and/or through the water supplied to the containment.

**Semi-intensive culture**  
The cultured stock is provided a part of nutrition required externally, mostly through supplementary feeding, the culture where only the chemical to enhance production including fertilizers and pesticides are provided is considered as "Extensive culture"

**Intensive culture**  
All the nutrition that the culture stock requires is provided externally.

By clicking on the *Question Mark* button the user will be immediately provided with the official definitions of **Method of Culture** adopted by SIPAM.

Data Information

Status of Data Source of Data Notes

Certification

Certified by National Coordinator

In compliance with RECOMMENDATION GFCM/35/2011/6

Submit Exit

Once all the required information (enclosed in red boxes) has been filled in, the user has to tick the *Certified by National Coordinator* box before clicking on *Submit* thus receiving confirmation by email.

By clicking on the right-down button "Yes, submit this form", the user will confirm the submission of the information into SIPAM.

The "No, I want to amend some data" button will allow the user to modify the information just filled in.

You are about to publish this information on SIPAM. Proceed?

Aquaculture Production Statistics

Data submission proposal  
Please check

1. Submission Information [New record]	
Country	Albania Year 2011
Environment	Fresh water
Cultured Species	Charrachius Mura
Statistical Area	37 - North - MEDITERRANEAN AND BLACK SEA

2. Production details	
Method of Culture	Extensive
Farming Structure	Open
Type of product	Food for human consumption
Total Quantity (tonnes)	10000
Total Value (Euro)	440000

3. Information details	
Status of data	Final
Source of data	Field
Notes	Field

Report generated on: 27/01/2012 Page 1 of 1

No, I want to amend some data Yes, submit this information

Once the certification process has been finalised, the record is made available for consultation (by register users only) and modification if necessary (by National Coordinators).

### 3.3 Modify Production Statistics

National Coordinators (NCs) can apply amendments to the submitted data by clicking on *Modify Production Statistics* button. The content of the table can be easily filtered by utilizing the header of each column. An export facility of the search results is also granted.

User: XXXXX

[Logout](#)

**SIPAM Warehouse**

Production Centres

- Insert Production Centres
- Modify Production Centres

Production Statistics

- Insert Production Statistics
- **Modify Production Statistics**
- National Summaries
- Tailor-made Reports
- Production Statistics Data Analysis Tool

Capture Based Production

- Insert Capture Based Production
- Modify Capture Based Production
- Capture-Based Production Data Analysis Tool

**Modify Production Statistics**

Please use the grid below to filter the Production Statistics entries.  
Click on the Record Id to edit the data submission.

Record Id	Country	Year	Group	Environment	Scientific name	Common Name	Statistical Area	System	Structure	Type	Production	Measure	Submission Date	Last Mod Date
1	Cuba	2012	Fish	Marine water	Osteichthys mullus	European seabass	Sea (Reservoir)	Intensive	Open-air and tank	Feed (for human consumption)	7.00	Tonnes	25/11/2012	
2	Cuba	2012	Fish	Marine water	Osteichthys mullus	European seabass	Sea (Reservoir)	Intensive	Open	Feed (for human consumption)	8.00	Tonnes	25/11/2012	
3	Cuba	2012	Fish	Marine water	Osteichthys mullus	European seabass	Sea (Reservoir)	Intensive	Open-air and tank	Fry and fingerlings	287.00	Thousands	25/11/2012	
4	Cuba	2012	Fish	Marine water	Danio aequipinnatus	Glofish (rainbow)	Sea (Reservoir)	Intensive	Open-air and tank	Feed (for human consumption)	24.00	Tonnes	25/11/2012	
5	Cuba	2012	Fish	Marine water	Danio aequipinnatus	Glofish (rainbow)	Sea (Reservoir)	Intensive	Open	Feed (for human consumption)	27.00	Tonnes	25/11/2012	
6	Cuba	2012	Fish	Marine water	Danio aequipinnatus	Glofish (rainbow)	Sea (Reservoir)	Intensive	Open-air and tank	Fry and fingerlings	6,000.00	Thousands	25/11/2012	
7	Cuba	2012	Fish	Fresh water	Osteichthys mullus	Rainbow trout	Sea (Reservoir)	Intensive	Open-air and tank	Feed (for human consumption)	46.00	Tonnes	25/11/2012	
8	Cuba	2012	Fish	Fresh water	Osteichthys mullus	Rainbow trout	Sea (Reservoir)	Intensive	Open	Feed (for human consumption)	30.00	Tonnes	25/11/2012	
9	Cuba	2012	Fish	Fresh water	Osteichthys mullus	Rainbow trout	Sea (Reservoir)	Intensive	Open-air and tank	Fry and fingerlings	538.00	Thousands	25/11/2012	
10	Cuba	2012	Fish	Fresh water	Cyprinus carpio	Carp (Common)	Sea (Reservoir)	Intensive	pond	Ornamental	11,700.00	Number	25/11/2012	

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[Export this search to excel](#)

NCs can open each Production Statistic entry by clicking on the Record Id (first column).

### 3.4 National Summaries

Registered users can run a summary of National data within an 10-year time span by selecting the starting year from the related scroll-down menu.

Report Options

Search Parameters

Please select a time range...

... and one or more Countries

Select Countries

- Albania
- Algeria
- Bulgaria
- Croatia
- Cyprus
- Egypt
- France
- Greece
- Israel
- Italy

0 items selected

[Select All](#) [Unselect All](#)

Page 1 of 3 (21 items) < [1] 2 3 >

Include Production Economic Value

[Run Report](#)

[Back to SIPAM home page](#)

Production Statistics - National Summaries

Page 1 of 1

Aquaculture Production Statistics National Summaries

Please select the desired parameters and click on the "Run Report" button...

Page 1 of 1

Select the time range of the report (10-year time span from the selected year).

Tick one or more countries.

Click on *Select All* button to automatically select all the countries.

Click on *Run Report* button to generate the report according to the selected parameters.

Once the report is launched, the system will generate the **SIPAM National Summaries**. Users can easily navigate through the report by using the Document Map feature available on the left of the window.

**Document Map**

- SIPAM National Summaries
  - XXXXX
    - Food (for human consumption)
      - Brackish water
      - Fresh water
      - Marine water

**New Report (clears current output)**

**Production Statistics - National Summaries**

Page 1 of 3 Pdf

**National Summaries on Aquaculture production**

Year(s) 2002-2011  
Country(ies): XXXXX

**XXXXX Food (for human consumption) - Brackish water**

Species	Data	2002	2003	2004	2005	2006	2007	2008	2009	2010
Rainbow trout	Production	na	na	na	na	na	na	na	na	230
	Value	na	na	na	na	na	na	na	na	1,150,000
Mullus spp	Production	na	na	na	na	na	na	na	na	278
	Value	na	na	na	na	na	na	na	na	1,390,000
Mediterranean mussel	Production	300	880	800	880	1,380	1,380	950	1,500	1,500
	Value	149,800	707,000	707,800	881,100	971,000	1,507,600	475,000	800,000	1,050,000
European eel	Production	na	na	na	na	na	na	na	na	70
	Value	na	na	na	na	na	na	na	na	580,000
Grand Total	Production	300	880	800	880	1,380	1,380	950	1,500	2,078
	Value	149,800	707,000	707,800	881,100	971,000	1,507,600	475,000	800,000	4,190,000

**Bar Chart: Tonnes vs Years**

Y-axis: Tonnes (0 to 2,100). X-axis: Years (2002 to 2011). Legend: European eel (blue), Mediterranean mussel (yellow), Mullus spp (purple), Rainbow trout (green). A red dashed line at 2008 indicates 'Rec. GFCM/33/2009/4 compliance'. Data for 2010 is stacked: European eel (70), Mediterranean mussel (1,500), Mullus spp (278), Rainbow trout (230).

Report generated on: 30/01/2012 Page 1 of 3 Pdf

The toolbar placed either at the top or at the bottom of the report provides the users with both navigation and export (Pdf, Xls, Xlsx, Rtf, Mht, Html, Text, Csv, Image) facilities.

### 3.5 Tailor-Made Reports

Registered users can create its own report of National data by selecting five different parameters: Countries, Environment, Species, Type of Product, Method of Culture.

Separate  Combined

The Combined option will allow to generate the report by aggregating the selected parameters (countries and/or environment) as a single entity: information of the country/environment will not be displayed.

Information concerning the Species as well as the Type of Product will be shown separate. Data about the Method of Culture data will be displayed combined. Once one or more Method of Culture are selected, the Structure of Culture box will be populated accordingly.

Check the box to include the Economic Value of the production in the Report

Include Production Economic Value

**Run Report**

Click on *Run Report* button to generate the report according to the selected parameters

### 3.6 Production Statistics Data Analysis Tool

By clicking on “Production Statistics Data Analysis Tool” button, registered user will access to a powerful tool which allow to visualize in a compact layout large amount of data.

The screenshot displays the 'Production Statistics data analysis tool' interface. At the top, it shows the user is logged in as 'XXXX' and provides options to 'Jump to...' and 'Back to SIPAM'. The tool title is 'Production Statistics data analysis tool - Beta Version'. Below the title, there are tabs for 'Data' and 'Tools', and a toolbar with 'Predefined Datasets', 'My Presets', and 'Toggle Customization Panel'. The main data area shows a table with columns for 'Country', 'Species Sci Name', 'Type of Product', and years from 1980 to 1991. A 'Hidden Fields' panel is on the left, and a 'Filter Area' is below it. The table shows production data for various species like *Anguilla anguilla*, *Cyprinus carpio*, and *Sparus aurata*.

This panel shows the configuration options for the data analysis tool. It includes a 'Hidden Fields' section, a 'Filter Area' with dropdowns for Environment, Value, and Currency, a 'Column Area' with a Year dropdown, a 'Row Area' with dropdowns for Country, Species Sci Name, and Type of Product, and a 'Data Area' with a Production dropdown. There is also a 'Defer Layout Update' checkbox and an 'Update' button.

Through the panel on the left, user can flexible manipulate the data in real time by filtering all the variables of both header columns and rows.

This panel shows the top navigation and filtering controls. It includes dropdowns for Environment, Statistical Area, Measure, Species Sci Name, Number of Records, Species Common Name, System of Culture, 3-Alpha Code, and Source. Below these are 'Production' and 'Value' dropdowns, and 'Year' and 'Structure of Culture' dropdowns. A '2010' filter is applied, showing a grid of culture types: bottom culture, cage, dam/reservoir/barrage, enclosure and pen, hatchery, lagoon, others, pond, raceway and tank, and suspension culture.

Arbitrarily aggregate/nest dimensions: user can “manipulate” the data by filtering the information by Filter area, Data area, Row area and Column area.

Page 1 of 43 (644 items) < [1] 2 3 4 5 6 7 ... 41 42 43 >

Environment ▼ Currency ▼ Measure ▼ Structure of Culture ▼ Value ▼ Number of Records ▼ Species Common Name ▼

Production Value ▼ Year ▼

Country ▲ Species Sci Name ▲ Type of Product ▲

			2010	2009	2008	2007	2006
<input type="checkbox"/>	<i>Anguilla anguilla</i>	Food (for human consumption) [Tonnes]	70,00				
<input type="checkbox"/>	<i>Ctenopharyngodon idella</i>	Food (for human consumption) [Tonnes]				5,00	6,00
<input type="checkbox"/>	<i>Cyprinidae</i>	Food (for human consumption) [Tonnes]			199,00		

Thanks to this tool, the user with an intuitive drag & drop facility can construct in real time a table to visualize the information according to his needs.

# CAPTURE BASED PRODUCTION

## 4.1 Structure

The SIPAM *Capture Based Production* section is composed of five modules: 1) Insert Capture Based Production, 2) Modify Capture Based Production, 3) Capture Based Production Data Analysis Tool.

## 4.2 Insert capture based production

By clicking on *Insert Capture Based Production*, the user will access the *Statistics Management* form for data-entry purposes which is composed by four sub-sections: Submission Information, Production Details, Data Information, Certification.



### Capture Based Production Statistics

Kindly Remind

Please enter the data in the form below and click on the Submit button  
 Mandatory fields are enclosed in red boxes.  
 All data should be entered in English.  
 The terminology has been reviewed in compliance with the Appendix 2 of the SIPAM 11 Report.

Submission Information

1 Country -- Select --

2 Year -- Select --

3 Environment -- Select --

4 Cultured Species -- Select -- Quick Select Species

5 Statistical Area -- Select --

By clicking on the *Question Mark* button the user will be immediately provided with the official definitions of **Environment** adopted by SIPAM.

Environment

The terms actually in use into the SIPAM system are Freshwater, Brackishwater Marine water and Other. Many participants considered that two categories like Freshwater and Saltwater (Brackish + Marine) could be enough to classify the different culture environment.

**Freshwater Culture**

By freshwater culture is understood the cultivation of aquatic organisms where the end product is raised in freshwater, such as ponds, reservoirs, rivers, lakes, canals etc., in which the salinity does not normally exceed 0.5‰. Earlier stages of the life cycle of these aquatic organisms may be spent in brackish or marine waters.

**Brackishwater**




Culture By brackishwater culture is understood the cultivation of aquatic organisms where the end product is raised in waters of fluctuating salinity in a range between 0.5‰ and full strength seawater. Culture utilizing relatively high salinity water originated from inland water bodies should be considered as brackishwater culture. If these conditions do not exist or have no effect on cultural practices, production should be recorded under either "Freshwater culture" or "Mariculture". Earlier stages of the life cycle of these aquatic organisms may be spent in fresh or marine waters.

**Mariculture**

By mariculture is understood that the cultivation of the end product takes place in seawater, such as fjords, inshore and open waters and inland seas where salinity is generally high and is not subject to significant daily or seasonal variations. Earlier stages in the life cycle of these aquatic organisms may be spent in brackishwater or freshwater.

The *Quick Select Species* button allows the user to access to the **Common Species Shortcuts** which may help in selecting the species itself. A sort facility is provided by clicking on the top of each column: Scientific Name, Common Name and 3-Alpha Code.

Common Species Shortcuts

Image	Scientific Name	Common Name	3-Alpha Code	#
	<i>Anguilla anguilla</i>	European eel	ELE	Select
	<i>Argyrosomus regius</i>	Meagre	MGR	Select
	<i>Dicentrarchus labrax</i>	European seabass	BSS	Select



Production Details

Method of Culture: -- Select --

Farming Structure: [ ]

Purpose: -- Select --

Seed Type: -- Select --

Seed Quantity: [ ]

Seed Unit: -- Select --

Method of culture

**Extensive culture**  
The cultured stock obtains all the nutrition required from the natural food produced in the containment where it is reared and/or through the water supplied to the containment.

**Semi-intensive culture**  
The cultured stock is provided a part of nutrition required externally, mostly through supplementary feeding, the culture where only the chemical to enhance production including fertilizers and pesticides are provided is considered as "Extensive culture"

**Intensive culture**  
All the nutrition that the culture stock requires is provided externally.

By clicking on the *Question Mark* button the user will be immediately provided with the official definitions of **Method of Culture** adopted by SIPAM.

Data Information

Status of Data: [ ]

Source of Data: [ ]

Notes: [ ]

Certification

Certified by National Coordinator

[In compliance with RECOMMENDATION GFCM/35/2011/6](#)

Submit

Exit

Once all the required information (enclosed in red boxes) have been filled in, the user has to tick the *Certified by National Coordinator* box before clicking on *Submit* thus receiving confirmation by email.

By clicking on the right-down button "Yes, submit this form", the user will confirm the submission of the information into SIPAM.

The "No, I want to amend some data" button will allow the user to modify the information just filled in.

You are about to publish this information on SIPAM. Proceed?

Aquaculture Capture Based Production

Data submission proposal  
Please check

1. Submission Information [New record]

Country	[ ]	Year	2011
Environment	Marine water		
Cultured Species	[ ]		
Statistical Area	37 - Marine - MEDITERRANEAN AND BLACK SEA		

2. Production details

Method of Culture	intensive
Farming Structure	hatchery
Purpose	Restocking
Seed Type	Eggs
Seed Quantity (Number)	[ ]

3. Information details

Status of data	Final
Source of data	test
Notes	test

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No, I want to amend some data Yes, submit this information

Once the certification process has been finalised, the record is made available for consultation (by register users only) and modification if necessary (by National Coordinators).

### 4.3 Capture Based Production Data Analysis Tool

By clicking on “Capture Based Production Data Analysis Tool” button, registered user will access to a powerful tool which allow to visualize in a compact layout large amount of data.

Kindly refer to par. 3.6 “Production Statistics Data Analysis Tool” to get all the information about this important feature.

## ANNEX 1

### Recommendation GFCM/35/2011/6 ON REPORTING OF AQUACULTURE DATA AND INFORMATION

The General Fisheries Commission for the Mediterranean (GFCM),

*RECALLING* the FAO Code of Conduct for Responsible Fisheries which calls for sustainable development and responsible aquaculture practices;

*RECALLING* the GFCM's role in promoting the sustainable development of aquaculture in the Mediterranean, Black Sea and connecting waters;

*RECALLING* the Rule X(e) of the GFCM Agreement in which Contracting Parties have an obligation to provide information on production and other data relevant to the function of the CAQ;

*CONSIDERING* the development of the Information System to promote aquaculture in the Mediterranean (SIPAM) over the years;

*RECOGNIZING* the need of the Committee on Aquaculture to have reliable data available to undertake its work effectively;

*RECALLING* that standards in aquaculture data collection and statistics should be established in line with guidelines set by the FAO Coordinating Working Party on Aquaculture Statistics;

*NOTING* the proposal made by the Sixth Session of CAQ to establish a regional data collection scheme for aquaculture;

*NOTING* that the Thirty-first Session recommended that the responsibilities of the SIPAM National Coordinators be formally endowed with a national institution;

*ADOPTS*, in conformity with the provision of paragraph 1 (b) and (h) of Article III and Article V of the GFCM Agreement, the following:

1. Contracting Parties shall submit the data for all the parameters listed below on an annual basis to the GFCM Secretariat:

#### PRODUCTION STATISTICS BY:

- CWP<sup>1</sup> Statistical Areas;
- Culture environment (brackish, marine and freshwater);
- Cultured species (scientific and common name; including capture-based species);
- System of culture (extensive, semi-intensive, intensive);
- Type of culture (cages, ponds, raceways, hatchery, etc.);
- Type of product (ongrowing, eggs, fingerlings, etc.);
- Capture-based aquaculture input (seed quantity: eggs, wild fingerlings, wild fish etc.);
- Production quantity (tonnes/units);
- Production value (currency);

---

<sup>1</sup> See *The Coordinating Working Party on Fishery Statistics: Its Origin, Role and Structure*. FAO Fisheries Circular. No. 193. December 1995.

#### PRODUCTION CENTRES

- Unit (segment) of production (hatcheries, ongrowing farms);
- Number of production centres per unit (segment);
- Cultured species per unit (segment);
- Total volume (m<sup>3</sup>) of facilities of production centres per segment;
- Destination of product per segment (consumption, ongrowing, restocking, ornamental).

#### MARKET

- Feed, Fishmeal and Fish Oil:
  - o Domestic production (tonnes)
  - o Feed prices for major farmed species (per tonne)
  - o Domestic Prices (per tonne)
- Trade and Consumption:
  - o Import and export of aquatic products (weight and value)
  - o Import and export of major farmed species (weight and value)
  - o Main export destination for farmed species
  - o National per capita consumption of aquatic products

2. The deadline for submissions is 30 June, with the reference year for the data submitted being the preceding year.

3. Members shall nominate a national focal point responsible for the submission of aquaculture data.

## ANNEX 2

### Aquaculture Glossary

#### Aquaculture

**Aquaculture** is the farming of aquatic organisms<sup>2</sup>. Farming implies some sort of intervention in the rearing process to enhance production, such as regular stocking, feeding, protection from predators, etc. Farming also implies individual or corporate ownership of the stock being cultivated.

For statistical purpose, **aquaculture production** is defined as an increment of biomass and/or an increment in numbers of individual organisms produced during the period of farming. Therefore, in order to measure aquatic production, both input to, and output from, the farming environment are needed to monitor. Seed going into a culture-based fishery is considered as an output from aquaculture to fishery, while seed collected by fishery for aquaculture is considered an input from fishery to aquaculture

#### Environment

**Freshwater Culture.** By freshwater culture is understood the cultivation of aquatic organisms where the end product is raised in freshwater, such as ponds, reservoirs, rivers, lakes, canals etc., in which the salinity does not normally exceed 0.5‰. Earlier stages of the life cycle of these aquatic organisms may be spent in brackish or marine waters.

**Brackishwater.** Culture By brackishwater culture is understood the cultivation of aquatic organisms where the end product is raised in waters of fluctuating salinity in a range between 0.5‰ and full strength seawater. Culture utilizing relatively high salinity water originated from inland water bodies should be considered as brackishwater culture. If these conditions do not exist or have no effect on cultural practices, production should be recorded under either "Freshwater culture" or "Mariculture". Earlier stages of the life cycle of these aquatic organisms may be spent in fresh or marine waters.

**Mariculture.** By mariculture is understood that the cultivation of the end product takes place in seawater, such as fjords, inshore and open waters and inland seas where salinity is generally high and is not subject to significant daily or seasonal variations. Earlier stages in the life cycle of these aquatic organisms may be spent in brackishwater or freshwater.

#### System of culture

**Extensive culture:** the cultured stock obtains all the nutrition required from the natural food produced in the containment where it is reared and/or through the water supplied to the containment,

**Semi-intensive culture:** the cultured stock is provided a part of nutrition required externally, mostly through supplementary feeding, the culture where only the chemical to enhance production including fertilizers and pesticides are provided is considered as "Extensive culture", and

**Intensive culture:** all the nutrition that the culture stock requires is provided externally.

<sup>2</sup> Currently, aquatic organisms referred to fish, mollusks, crustaceans, other invertebrate, crocodiles, alligators, turtles, amphibians and aquatic plants.



**GFCM - CAQ - Aquaculture Portal**

[www.faosipam.org](http://www.faosipam.org)