

South Pacific Regional Fisheries Management Organisation

10th Meeting of the Data and Information Working Group

Lima, Peru, 15-19 October 2012

DIWG-10-06

Update on the SPRFMO database

1. Introduction

The SPRFMO Interim Secretariat has continued working with an external contractor to develop and implement a web-based database capable of:

- storing all participants' standard data submissions;
- carrying out automated data checking of standard submissions, *i.e.* data validation;
- providing participants with on-line access to public domain data;
- providing participants with data summary reports of public domain data and;
- providing administrative functions to Interim Secretariat personnel.

The most recent update on progress of the SPRFMO database was presented at the 9th Data and Information Working Group.

On the 27th January 2012 Heads of Delegations and Working Group members were advised that version 1.0 was live. Access to the database for approved individuals has been available since that time.

2. Project Progress: Summary

This paper provides a further update on the progress of the SPRFMO database application.

The main points to note are that:

- the database has been completed and released externally to SPRFMO Participants;
- various datasets have been loaded, validated and stored within the application;
- a security review of the database has taken place;
- the user manual and user request forms are available on the website;
- development work on the database application continues and;
- user acceptance testing by SPRFMO personnel continues.

3. Project Progress: Additional Details

Database development is continuing. There have been 3 database upgrades in 2012. The current “live” version is 3.7.

All high priority changes/defects have been addressed; future work will concentrate on addition of new datasets, and improving reporting options.

The database can validate and store the following datasets:
Vessel details, Annual catch data, Fishing Activity data, Observer data, Vessel Monitoring System (VMS) data, Bottom footprints and Vulnerable Marine Ecosystems (VME) data.

The Landings data and Transshipment data templates have recently been updated and currently cannot be stored (although they can still be submitted to the Interim Secretariat via the database portal).

Two reports are available to participants; they are the annual catch summary and the 5x5 catch data summaries.

Any participant has the ability to view their own individual submission details.

In addition any public visitor can create a report showing all currently authorised vessels.

4. Population of Data onto the Database Application

The Interim Secretariat has spent much of the last 6 months loading, validating and storing the various Participant submissions. This process often involves liaising with Participants in cases where data corrections or clarifications are required.

The following datasets have passed validation and are currently stored within the SPRFMO database:

Datatype	Datasets received	Stored within the SPRFMO database			
		Datasets	Participants	Earliest	Most recent
5x5 catch	19	13	4	2002	2008
Annual catch	392	392	17	1969	2011
Authorised vessels ¹	102	102	15	1990	2012
Bottom footprint	4	1	1	2002	2006
Fishing activity trawl ²	38	18	6	2007	2011
Observer trawl ³	18	1	1	2008	2008
VME ⁴	2	Nil			
VMS ⁴	>25	Nil			

¹ Most data is from 2005 onward

² Two datasets were preliminary and 10 were not supplied as per the template.

³ Two datasets were partial and 5 were not supplied as per the template.

⁴ VME (2 seamount layers) and some VMS data have been loaded into an ArcGIS database; the SPRFMO database can be used to store raw geospatial data.

5. Current Usage

No-one outside of the Interim Secretariat has used the database to submit data.

There are 6 current users:

Participant	Access level	Status
Interim Secretariat	SPRFMO Admin	Active
Interim Secretariat	SPRFMO Admin	Active
Interim Secretariat	SPRFMO General	Active
Chile	Participant Admin	Active
European Union	Participant General	Expired
Japan	Participant Admin	Expired