

# International Consultations on the Establishment of the South Pacific Regional Fisheries Management Organisation

## **Eighth International Meeting: Science Working Group**

**SP-08-SWG-04 rev 1**

### **Costs of ArcGIS software**

*Interim Secretariat*

#### **Introduction**

The 5<sup>th</sup> meeting of the SWG asked the Interim secretariat to obtain geospatial information on an updated database of seamounts in the SPRFMO area, and to continue development of a SPRFMO geospatial database of joint bottom trawl footprint, seamounts and VMEs, bathymetry and EEZ boundaries.

At its 7<sup>th</sup> meeting, to ensure compatibility between geospatial data sets and analyses between participants and the Secretariat, the SWG recommended that the Secretariat obtain the necessary ArcView<sup>®</sup> software to develop the geospatial databases and conduct the required analyses already identified by the SWG. The Secretariat undertook to prepare budget proposals for purchase of the various ArcView<sup>®</sup> software components for consideration by participants to the negotiations.

There are a variety of ESRI geographic information systems (GIS) products that are available for either desktop (ArcGIS Desktop) or server (ArcGIS Server) applications. The SPRFMO geospatial database requested by the 5<sup>th</sup> meeting can be developed with the entry level desktop software ArcView. ArcView would also allow the interim Secretariat to display static maps in documents or on the website. The additional purchase of the ArcGIS Server package add-on could allow participants to analyse the geospatial database on the website

#### **Costs**

The costs for the two options in New Zealand dollars are:

##### **Desktop GIS only**

1 x ArcView + Spatial Analyst Concurrent Use License Bundle

Initial License Fee and First Year's Maintenance Fee: \$12,000

Annual Maintenance Fee from Year 2 onwards: \$3,300

Initial Training Costs: \$4,800

##### **Web Mapping Capability ArcGIS Server Addition**

ArcGIS Server Workgroup Standard License

Initial License Fee and First Year's Maintenance: \$10,000

Annual Maintenance Fee from Year 2 onwards: \$2,500

The ArcGIS systems are very complex and powerful systems and their use by the Interim Secretariat (and by participants without previous experience with them) will require training. Experience should be gained with the entry system ArcView before anything more complex is contemplated.

The basic budget presented in the Report of the Interim Secretariat to the plenary, SP-08-WP-03, does not include provision for the purchase of a GIS system. However, the Report notes the interest in the development of the geospatial database and that the ArcView entry level system would cost \$12,000 to purchase with an ongoing maintenance fee of \$3,300, and initial training costs of \$4,800.