



SPRFMO 3rd Workshop
Deep Water Working Group
Hobart, Australia, 23-25 May 2017

SCW3 - Doc01-rev1
Provisional Annotated Agenda (revised)

1. OPENING OF WORKSHOP

a. Welcome address

The Chair (Mauricio Galvez) will welcome delegations from the SPRFMO Members, Cooperating non-Contracting Parties, and Observers to the third Scientific Committee workshop (Deep Water Working Group).

b. Workshop arrangements

The Chair will outline procedural matters including the workshop schedule, administrative arrangements, appointment of *rapporteurs*, and ask the workshop to endorse the following theme conveners:

- Plenary Mauricio Galvez
- Stock Assessment Martin Cryer
- VME Simon Nicol

c. Adoption of agenda

Amendments and other relevant matters may be proposed.

d. Reporting arrangements

The workshop will develop a Summary Report which will be adopted intersessionally with an Executive Summary. A lead *rapporteur* will be appointed to produce the draft summary report, and theme conveners will have support *rapporteurs* for their draft theme reports. Any arising recommendations will be adopted at the workshop and forwarded to the SPRFMO Scientific Committee for its consideration.

2. STOCK ASSESSMENT THEME

a. Draft Assessment Framework

Dr Simon Nicol, Australia, will present a Draft Assessment Framework for consideration, discussion, and review over the duration of the workshop.

Dr Simon Nicol, Australia, will present fishing reference points for consideration, discussion, and review over the duration of the workshop.

Dr Nathalie Dowling, Australia, will present an introduction to FishPath and its utility for developing fisheries harvest strategies.

b. Use of Acoustic Data in Stock Assessments of Aggregating Demersal Fish Stocks

Dr Rudy Kloser, Australia, will present work currently being undertaken to describe and quantify the sources of uncertainty in estimates of Orange roughy biomass using acoustic data and the “best-practice” protocols for the collection of acoustic and ancillary data for use in stock assessment.

c. Application of CPUE time-series in Stock Assessments of Aggregating Demersal Fish Stocks

Dr Marie-Julie Roux, New Zealand, will present work currently being undertaken to generate spatially disaggregated CPUE series for use in demersal stock assessments.

Dr Malcolm Haddon, Australia, will present work identifying deficiencies in alternate CPUE series used for demersal stock assessments.

Dr Shijie Zhou, Australia, will present a method for developing spatially disaggregated CPUE.

d. Review of Recent Orange Roughy Stock Assessments in New Zealand, Australia, and SPRFMO

Dr Malcolm Clark, New Zealand, will present work on estimation of Orange roughy biomass using physical seamount characteristics.

Dr Marie-Julie Roux, New Zealand, will present work used to assess the orange roughy stocks in SPRFMO using a spatially disaggregated CPUE and Bayesian biomass dynamics model.

Dr Judy Upston, Australia, will present work used to assess the status of Orange roughy stocks in the Australian EEZ.

Dr Alistair Dunn, New Zealand will present work done to assess the status of Orange roughy stocks in the New Zealand EEZ.

Dr Shijie Zhou, Australia, will present approaches to assess stock assessment using catch-only methods.

e. Assessment Framework

The workshop will develop advice for the SPRFMO Scientific Committee on an Assessment/Harvest Framework, including potential limit and target reference points for demersal species.

3. VULNERABLE MARINE ECOSYSTEMS THEME

a. VME Mapping

Dr Ashley Rowden, New Zealand will present on developing predictive models for the distribution and abundance of VME indicator taxa at a range of spatial scales from the entire SPRFMO Convention Area to five individual seamount features. Key issues of spatial scale, data requirements, data availability and mobilization, modelling approaches, uncertainty associated with models will be discussed.

b. Using Spatial Mapping/Zonation

Dr Ashley Rowden, New Zealand give a presentation on development and potential use of spatial decision support tools for evaluating trade-offs in spatial management for bottom fisheries in the SPRFMO Convention Area using predicted maps of VMEs or VME indicator taxa and the distribution of fishing. The use of other biodiversity attributes such as EBSAs, and dealing with management settings such as spatial closures and move-on rules will be discussed.

The workshop will map out the Management Strategy Evaluation required to ensure that spatial management achieves its purpose including: who can do it, resources required, and timeframes, and draft a working paper for the SPRFMO SC.

The workshop will also develop a framework for evaluating whether "significant adverse impact on VMEs" are likely; issues include: review of NZ, AU, and other relevant VME methods, spatial scale, definition of trawl area, overlaps between RFMOs, etc.

c. Bottom Fishing Impact Assessment Standard

The workshop will review the Bottom Fishery Impact Assessment Standard developed by the Scientific Working group in 2011 to ensure it takes account of the latest scientific information and guidelines

Dr Roland Pitcher, Australia and Dr Ben Sharp, New Zealand will present impact and risk assessment approaches for estimating the impact of towed gears on benthic habitats or features.

The workshop will discuss how the Scientific Committee could provide advice to the SPRFMO Commission on what constitutes “significant adverse impact on a VME”. The workshop invites papers that will inform discussion on appropriate metrics (e.g., Recovery Time, Long-term Effect Index) as well as local and landscape reference points/targets (*the latter should focus on how well we can estimate targets whereas the former will identify what measures are available and how reliably they can be estimated in different locales*).

4. FUTURE WORK PROGRAMME AND BUDGET

The workshop will review the Deep Water Research Programme found in Section 4 of the SC Research Programme. The workshop may also develop a Draft Deep Water workplan.

5. ADOPTION OF THE WORKSHOP REPORT

The workshop will adopt its advice and recommendations before the close of the meeting, and develop a report to be adopted intersessionally prior to the 5th Scientific Committee meeting. The workshop report will include an executive summary.

6. CLOSE OF THE WORKSHOP

Thursday 25th May 2017 3:30 pm due to the availability of flights leaving Hobart.

TENTATIVE SCHEDULE

DATE	TIME	AGENDA ITEM
Tuesday 23 May	08:00-08:30	Registration
	08:30-09:30	1. OPENING OF THE WORKSHOP
	9:30-12:30	2. STOCK ASSESSMENT THEME (a,b,c,d)
	13:00-17:30	2. STOCK ASSESSMENT THEME (a,b,c,d)
	17:30	Function (to be confirmed)
Wednesday 24 May	08:30-09:30	2. STOCK ASSESSMENT RECOMMENDATIONS (e)
	09:30-12:30	3. VME THEME (a,b,c)
	13:00-17:30	3. VME THEME (a,b,c)
Thursday 25 May	08:30-09:30	3. VME RECOMMENDATIONS
	09:30-10:30	4. FUTURE RESEARCH AND WORKPLAN
	10:30-12:30	5. WORKSHOP RECOMMENDATIONS TO THE SPRFMO SC
	12:30-15:30	5. DRAFT REPORT