

9th MEETING OF THE SCIENTIFIC COMMITTEE

Held virtually, 27 September to 2 October 2021

SC9-HM10

Draft Terms of Reference for Habitat Monitoring Symposium

Chile

SPRFMO International Symposium on Habitat Monitoring

(Habitat Monitoring of Species Managed in the South Pacific Ocean)

Draft document: Terms of References

This is a draft proposal of Terms of References for the preparation of an International Symposium of Habitat Monitoring.

The aim of this document is to receive recommendations from members of the Scientific Committee about the timeline, scope, and topic sections.

Important Dates

November 30, 2021

First call for papers

Abstract submission opens

Registration opens

Financial support application opens

January 30, 2022

Second call for papers

June 30, 2022

Abstract submission
deadline

Financial support
application deadline

July 30, 2022

Abstract acceptance notification

Financial support grant notification

August 15, 2022

Early registration deadline

December 12-14, 2022

Symposium and associated workshop

January 15, 2023

Manuscript submission

Steering Committee

Aquiles Sepúlveda
Mariano Gutiérrez
Marco Milardi
Eunjung Kim
Fabrice Stephenson

Relevant contents (Blue print)

Banner Picture (Symposium identity or logo)

Important News / Updates

Scope

Habitat is the environment where marine fish and many species lives, feeds, reproduces and grows. Maintaining healthy habitats is essential to ecosystem-based management. The aim of this event is to review the state of the art on habitat monitoring and research on a changing environment and climate variability.

Organizers

Sponsors

International sponsors like ICES, PICES, FAO are considered. There are also considered Local sponsors like Fishery Associations and co-sponsoring organizations like DFO, NOAA, IMARPE, IFOP.

Symposium coordinators

Chilean agencies can provide coordinators related to the Secretariat of SPRFMO?

Plenary and Invited Speakers

A tentative list of plenary and invited speakers will be provided for consideration of the Steering Committee.

Audience

The symposium is aimed to habitat monitoring scientists from all over the world, including organisations such as ICES, PICES, FAO and national marine research institutions, universities and other academic entities not limited to SPRFMO contracting parties. Additionally, Marine Sciences students; public and private sector scientists. At least 200 attendees are expected since the event would be relevant for the international scientific community.

Symposium Structure

The Symposium must provide a broad understanding on habitat monitoring of species of the South Pacific. Papers presented at the HMS will be discussed in a panel format meeting scientists at a Conference room. Poster sessions arranged to the main topic sessions will be also considered. There is also considered during one or two days for specific workshops on technologies and modelling tools for habitat monitoring.

Scientific Program: Topic sessions (proposed)

Relevant aspects of the habitats influenced by the environmental variables and oceanographic mechanisms, or processes (El Niño/La Niña) associated with the spatial-temporal distribution of jack mackerel, jumbo squid, deep sea fishes, top predators and key micronekton communities (e.g. mesopelagic fish and euphausiids) in different life stages.

Session 1. Environmental variables and oceanographic mechanisms or processes associated to spatio-temporal distribution of fish

Session 2. Relevant indices and indicators to improve habitat monitoring by SPRFMO pelagic and deep-sea species

Session 3. Data considered in habitat research

Session 4. Considering essential habitat in the assessment of resources

Session 5. Technologies and methods available for habitat monitoring

Session 6. Modelling fish species habitat

Session 7. Maintenance and enhance of productive capacity of habitats to increase fishery productivity

Topics for discussion:

Habitat loss and carrying capacity and their influence in fish productivity

Ecological interactions and rebuilding plans

Habitat Suitability Models

Biophysical models

Bioenergetics

Poster Sessions

An extra room will be reserved for poster sessions were researchers can meet together and visit posters.

Workshop proposals

Experts in a range of specific topics of interest can be contacted to organize 1 or 2 days workshops related to habitat monitoring and modelling.

Examples:

Species distribution modelling (R based workshop)

Size spectrum modelling in R. Fishing and climate change. Biogeochemical trends

Schedule

Abstracts

Presentations

Publication

Original research papers will be received, and the symposium organizers will strive to publish a compilation of papers in a special issue of a primary journal such as *Fisheries Research* or *ICES J. Mar. Sci.*

(Ecological modelling). To have an Open access journals.

Venue

The HM Symposium will last 3 to 4 days and will take place in Concepcion, Chile on the first week of December 2022.

Other aspects to consider:

Registration

Financial Support

Transportation

Accomodations

How to get Chile and Visa

Social Events

Useful Information

Contact

Proposed Invited speakers

Verena Trenkel, Beth Fulton,