



CAPAM



NIWA
Taihoro Nukurangi



**CAPAM, NIWA, and ISSF present the
“Tuna Stock Assessment Good Practices Workshop”**

Hybrid Meeting: Prefab Hall, Te Aro, Wellington, New Zealand & Online

7-10 March 2023

The [Center for the Advancement of Population Assessment Methodology \(CAPAM\)](#), the [National Institute for Water and Atmospheric Research \(NIWA\)](#), and the [International Seafood Sustainability Foundation \(ISSF\)](#) invite stock assessment scientists to participate in a technical workshop on tuna stock-assessment good practices on 7-10 March 2023 in Wellington, New Zealand. This workshop will follow the final workshop of the [Spatial Stock Assessment Simulation Experiment on 5-6 March](#) at the same venue.

Dr Mark Maunder will chair the Wellington workshop, with local organization by Dr. Simon Hoyle.

The March 2023 workshop will focus on good practices in stock assessment for tuna fisheries — to support both the expert reviews currently underway for many tuna stocks worldwide and the stock assessment to follow.

Many issues that are important for tunas also apply across other species stock assessments, so discussions at this workshop will have broad relevance and utility.

Register at the [CAPAM website](#), whether attending in person or virtually.

Meeting Schedule & Format

- 7-10 March 2023 from 8.30 am to 5 pm NZDT (UTC +13)
- In-person sessions at Prefab Hall, Te Aro, Wellington, New Zealand
- All presentations and discussions live streamed over Zoom to allow for virtual participation worldwide and recorded for later viewing
- Conducted in English
- Keynote presentations from world experts (see Agenda below)
- Focused discussions led by the chair and keynote speakers

Participant Presentations Requested

As part of the workshop, attendees are invited to contribute related presentations on tuna-assessment good practices — e.g., a review of good practices for a topic, research that identifies good practices, research that tests alternative approaches, or arguments for a good practice.

An organizing committee will select the presentations, which can be of any length, by **10 Feb 2023**. Presentations will be pre-recorded and posted ahead of the meeting. They will not be presented live at the workshop.

To propose a presentation, submit an abstract for consideration to [Mark Maunder](#) by **5 Feb 2023**.

All presenters are encouraged to submit manuscripts to the Special Issue that will follow the workshop on Assessment Practices in Fisheries Research (choose “VSI: Assessment Practices” as the article type when submitting at <https://www.sciencedirect.com/journal/fisheries-research>.)

Visit the [CAPAM website](#) for updated information.

Workshop Background & Details

The Wellington technical workshop builds on the success of the 5-day [Rome Stock Assessment Good Practices Workshop](#) (October 2022), which was the culmination of a series of workshops organized by CAPAM as part of its Good Practices in Stock Assessment Modelling Program.

CAPAM’s goals are to improve the quantitative methods used in tuna stock assessment and to contribute to the development of a Good Practices Guide (GPG). The main activities of CAPAM revolve around the workshop series and associated special issues in the journal *Fisheries Research*.

Previous CAPAM Workshops have covered topics that include natural mortality, next-generation stock assessment models, spatial stock assessment models, spatio-temporal modelling, recruitment, data weighting, growth, selectivity, diagnostics, and model weighting. These topics have laid the foundation for the GPG for stock assessments, which were consolidated by the outcomes of the Rome workshop.

The Wellington workshop will discuss and update the adopted Good Practices for tuna stock assessments, with a particular focus on the large, high-value, complex, and data-rich stocks of bigeye, yellowfin, bluefin, skipjack, and albacore tuna.

For those planning to attend in person, please check current [New Zealand immigration rules](#) for VISA requirements. Depending on your country of citizenship, you may not need a visa, may need a visitor visa, or may have a visa waiver agreement but still need a New Zealand Electronic Travel Authority (NZETA) document. The above link will help you determine your needs.

Provisional Workshop Agenda

(with keynotes / commenters)

Data inputs and modelling

1. CPUE (Toshihide Kitakado & Nicholas Ducharme-Barth / Laura Tremblay-Boyer)
2. Longline size data (Simon Hoyle & Tom Peatman / Kaisuke Satoh)
3. Purse seine species comp and size data (Tom Peatman & David Kaplan / Cleridy Lennert-Cody)
4. Weight-length, maturity, conversion factors (Jed Macdonald & Simon Nicol)

Biology and modelling

5. Recruitment (Andre Punt / John Hampton)
6. Natural mortality (Simon Hoyle, Ashley Williams, Carolina Minte-Vera, Mark Maunder / Kai Lorenzen)
7. Growth (Lisa Ailloud / Kai Lorenzen)

Model structure

8. Identifying stock structure (Carolina Minte-Vera & Brad Moore / Steve Cadrin)
9. Modeling stock structure (Aaron Berger)
10. Modeling selectivity/fishery structure (Mark Maunder / Dan Fu)
11. Model diagnostics (Felipe Carvalho / Jim Ianelli)
12. Tag modeling (Dan Goethel & Matt Vincent / Rich Hillary)
13. Model weighting (Philipp Neubauer / Nicholas Ducharme-Barth)

Close-Kin Mark-Recapture (evening session) (Mark Bravington)