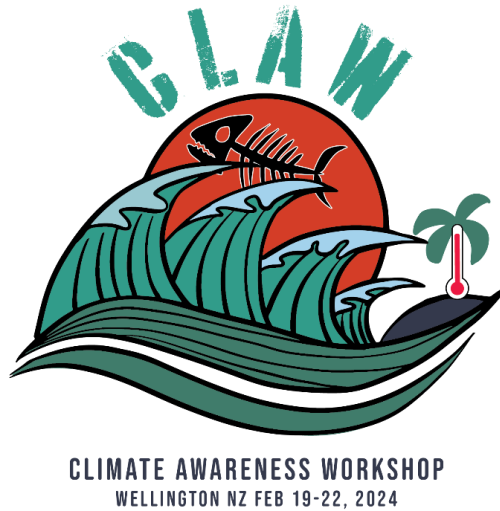


**Climate Awareness Workshop (CLAW) - 4-Day Course
with Emphasis on Fisheries Impacts in the Pacific,
Adaptation and Loss and Damage Advocacy**



Meeting Venue

Wharewaka Function Centre
2 Taranaki Street
Wellington, New Zealand

Day 1: Te Puni room

Days 2-4: Matiu room

8 AM coffee, Talks start 9 AM

Day 1: Climate Change Terminology, IPCC Scenarios, and Basics of Climate Variability and Change

Workshop Rapporteur: Stephen Brouwer

Morning Session Moderator: Simon Nicol/Steven Hare

Introduction to Workshop – 9:00-10:30

- Welcoming Ceremony, prayer and address – MFAT
- Opening of CLAW – Simon Nicol, SPC
- Welcoming Comments – Forum Fisheries Agency
- Logistics, format, goals, expected outcomes – MFAT/SPC
- Group photo

MORNING TEA: 10:30-11:00

01 – Climate Change Terminology (SPC – Espen Ronneberg) 11:00-11:30

- Essential terminology: greenhouse effect, carbon footprint, adaptation, mitigation
- Clarifying key concepts to establish a common understanding.

02 – Introduction to IPCC Scenarios (Consultant – Beth Holland) 11:30-12:00

- Understanding the Intergovernmental Panel on Climate Change (IPCC) and its role.
- Overview of different IPCC scenarios: RCPs (Representative Concentration Pathways).
- Exploring how climate models predict future changes in temperature, currents, and ecosystems.

LUNCH BREAK: 12-1:30 – ON YOUR OWN (NOT CATERED)

Afternoon Session Moderator: Zulfikar Begg

03 – Exploring Climate Variability (SPC – Moleni Tu'uholoaki) 1:30-2:15

- Defining climate variability: Natural fluctuations in climate patterns.
- Understanding short-term variations and their impacts on weather patterns.

04 – Basics of Climate Change (CSIRO – Richard Matear) 2:15-3:00

- Differentiating between climate variability and climate change (ie. Attribution).
- Introduction to anthropogenic factors, including greenhouse gas emissions.

AFTERNOON TEA: 3:00-3:30

05 – Melting Ice and Sea-Level Rise (CSIRO-Hobart-Richard Matear) 3:30-4:15

- Understanding the melting of glaciers and polar ice.
- Implications for sea-level rise, coastal erosion, and vulnerable communities.

Day 1 wrapup/questions (SPC/FFA) 4:15-4:30

Day 2: Physical and Biological Impacts of Climate Change

Morning Session Moderator: Brad Moore

06 – Ocean warming and marine temperature extremes (CSIRO – Thomas Moore) 9:00–9:45

- Exploring the connection between climate change, rising marine temperatures, and ocean heat content.
- Marine heat waves and cold-spells: what do we see globally and for the region.

07 – (The great) tuna fisheries of the Western and Central Pacific Ocean (SPC – Steven Hare) 9:45–10:30

- Introduction to the importance of tuna fisheries for the region's economy and food security.
- Overview of key tuna species and their distribution in the Pacific.
- Stock status and management of the four target tuna species

MORNING TEA: 10:30–11:00

08 – Biodiversity Loss and Ecosystem Disruption (IRD – Christophe Menkes) 11:00–12:00

- Exploring the impact of climate change on ecosystems and species.
- Consequences for biodiversity, habitat loss, and ecosystem services.
- Consequences for marine life, coral reefs, and seafood resources.

LUNCH BREAK: 12–1:30 – ON YOUR OWN (NOT CATERED)

Afternoon Session Moderator: Thomas Moore

09 – Ocean and Marine Ecosystems (SPC – Patrick Lehodey) 1:30–2:15

- How climate change affects ocean temperatures, currents, and acidity.
- Understanding the link between rising ocean temperatures and tuna behavior.
- Implications for tuna migration patterns, spawning grounds, and feeding habits.
- Discussing how climate change affects fish stocks, distribution, and productivity.

10 – SEAPODYM and modeling of tuna population dynamics (SPC – Inna Senina) 2:15–3:00

- Exploring how the model estimates tuna habitats, biomass distributions and abundance.
- Differences among the four target tuna species.
- Existing uncertainties in modeling of tuna population dynamics.
- Projected biomass redistributions under climate change and related implications for the Pacific Island Countries and Territories.

AFTERNOON TEA: 3:00–3:30

11 – Incorporating Climate Scenarios in Fisheries Research (Univ. of Melbourne–John Morrongiello) 3:30–4:15

- Methods for integrating climate scenarios into fisheries research design.
- Case studies demonstrating the application of scenarios in fisheries research.

Day 2 wrapup/questions (SPC/FFA) 4:15–4:30

Day 3: Climate Change Planning within the WCPO

Morning Session Moderator: John Morrongiello

12 – Coastal fisheries and Climate Change (NIWA – Brad Moore) 9:00–9:30

- Current status of Pacific coastal fisheries.
- Summary of impacts of climate change to Pacific coastal habitats and species.
- Projected impacts of climate change on Pacific coastal fisheries catches.

13 – Case studies on Climate Change Impacts on PICTs – summary (SPC – Zulfikar Begg) 9:30–10:00

- Identifying specific climate impacts on Pacific Island communities.
- Discussing sea-level rise, extreme weather events, and threats to livelihoods.

MORNING TEA: 10:00–10:30

14 – Potential economic impacts on tuna fisheries and resource owners (FFA – Chris Reid) 10:30–11:15

- Brief overview of the economic significance of tuna fisheries in the Pacific region.
- Discuss the challenges posed by changes in stock abundance and its distribution and the potential economic repercussions for resource owners

15 – Climate-Informed Fisheries Management Strategies (FFA – Marina Abas) 11:15–12:00

- Introduction to climate-resilient fisheries management approaches.
- Exploring adaptive management, harvest strategies, and ecosystem-based approaches.
- Climate change adaptation strategies for the fisheries sector

LUNCH BREAK: 12–1:30 – ON YOUR OWN (NOT CATERED)

Afternoon Session Moderator: Marina Abas

16 – Introduction to International Climate Change cooperation frameworks (Anna Broadhurst/Todd Croad – MFAT) 1:30–2:15

- UNFCCC and Paris Agreement overview
- Implications for Nationally Determined Contributions (NDCs) and National Adaptation Plans (NAPs)

17 – What regional collaborations are currently ongoing (SPC – Simon Nicol) 2:15–2:45

- Summary of SPC work to date
- CROP agencies initiatives
- Regional Strategies: WCPFC CC resolution, CROP CC strategies

AFTERNOON TEA: 2:45–3:15

18 – Data Collection and Modeling for Climate Scenarios (SPC – Simon Nicol) 3:15–3:45

- Importance of collecting and using climate-related data for fisheries modeling.
- Data we aren't yet collecting but should be
- Advance Warning systems

Day 3 wrapup/questions (SPC/FFA) 3:45–4:00

Day 4: Loss and Damage and Advocacy for Pacific Island Countries and Territories

Morning Session Moderator: Ludwig Kumoru

19 – Understanding Loss & Damage (SPC – Pasha Carruthers) 9:00–10:00

- Defining loss and damage and its relevance to vulnerable communities in PICTs.
- Exploring the ethical, social, and human rights dimensions of climate impacts.
- Other processes such as ICJ

MORNING TEA: 10:00–10:30

20 – Grassroots Organizing and Community Engagement (FFA – Ueta Faasili) 10:30–11:15

- Showcasing grassroots initiatives for climate justice in PICTs.
- Discussing the role of local communities in
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21 – Advocacy Strategies for loss and damage (SPC – Espen Ronnenberg) 11:15–12:00

- Exploring effective advocacy approaches tailored to PICTs.
- Empowering participants to engage with policymakers and the international community.
- COP Pacific Pavilion

LUNCH BREAK: 12–1:30 – ON YOUR OWN (NOT CATERED)

Afternoon Session Moderator: Tuikolongahau Halafihi

22 – Decision Pathways (FFA – Ludwig Kumoru) 1:30–2:00

- FFA Climate Strategies
- Decision making pathways

23 – International Platforms and Collaborations (SPC – Espen Ronnenberg) 2:00–2:45

- Discussing opportunities for PICTs to engage on the international stage.
- Overview of regional and global platforms for climate advocacy.

AFTERNOON TEA: 2:45–3:15

24 – Introducing tools that increase accessibility to climate change indicator data (SPC – Joanne Potts) 3:15–3:45

- Numerous tools currently exist for accessing climate data
- We will introduce a new platform from SPC that includes environmental inputs and biomass outputs based on SEAPODYM.

PICT short presentations or GCF video (TBD) 3:45–4:30

- Guam presentation on fish catches
- Niue presentation on Cyclone Heta damage
- GCF short video in Climate Information Systems

Workshop wrapup (Attendees or panel) 4:30–5:00

- Open discussion on all matters