

# 4<sup>TH</sup> CLIO TOP Symposium

Climate Impacts on Oceanic Top Predators

National Taiwan Ocean University, Keelung, Taiwan, 15-19 October 2018

## Oceanic biodiversity under climate change: shifts in natural and human systems

### Objectives

- 1 Evaluate the responses to and impacts of climate variability and change on marine top predator species and their food chains, and dependent socio-economic and management systems over short to longer time scales.
- 2 Identify risk assessment and evaluation tools that incorporate climate variability in order to improve sustainable resource management.
- 3 Develop and evaluate adaptation and mitigation strategies at the single species, multi-species and ecosystem scales that address the cumulative nature of pressures placed on top predators and the ecosystems that support them.

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### Themes

- 1 Global and regional trophic pathways and connectivity – trophic responses to variability and change in the marine environment.
- 2 Integrated modelling of systems based on shared socio-economic scenario pathways – projection and exploration of future patterns in marine ecosystems.
- 3 Adaptive approaches to biodiversity and resource management – strategies for incorporating climate variability and long-term change.
- 4 Responses of top predator life history dynamics to natural and anthropogenic drivers of variability and change.
- 5 Implications of variability in and change to the spatial dynamics of top predators for food security, species conservation and ecosystem functioning.
- 6 Management strategies for whole of systems – moving from biophysical systems to biophysical-socioeconomic systems – what are the key needs for guiding decision making into the future?

### Important dates

Early bird registration and abstracts open: **January 2018**

Deadline for abstracts: **May 2018**

Acceptance of abstracts: **June 2018**

Early bird registration closes: **July 2018**

Registration closes: **September 2018**

<http://imber.info/science/regional-programmes/cliotop>

