

A scenic landscape featuring a body of water in the foreground, dark mountains in the middle ground, and a cloudy sky in the background. The text is centered over the image.

OPPORTUNITIES AND CHALLENGES:
NEW ZEALAND'S REFLECTIONS

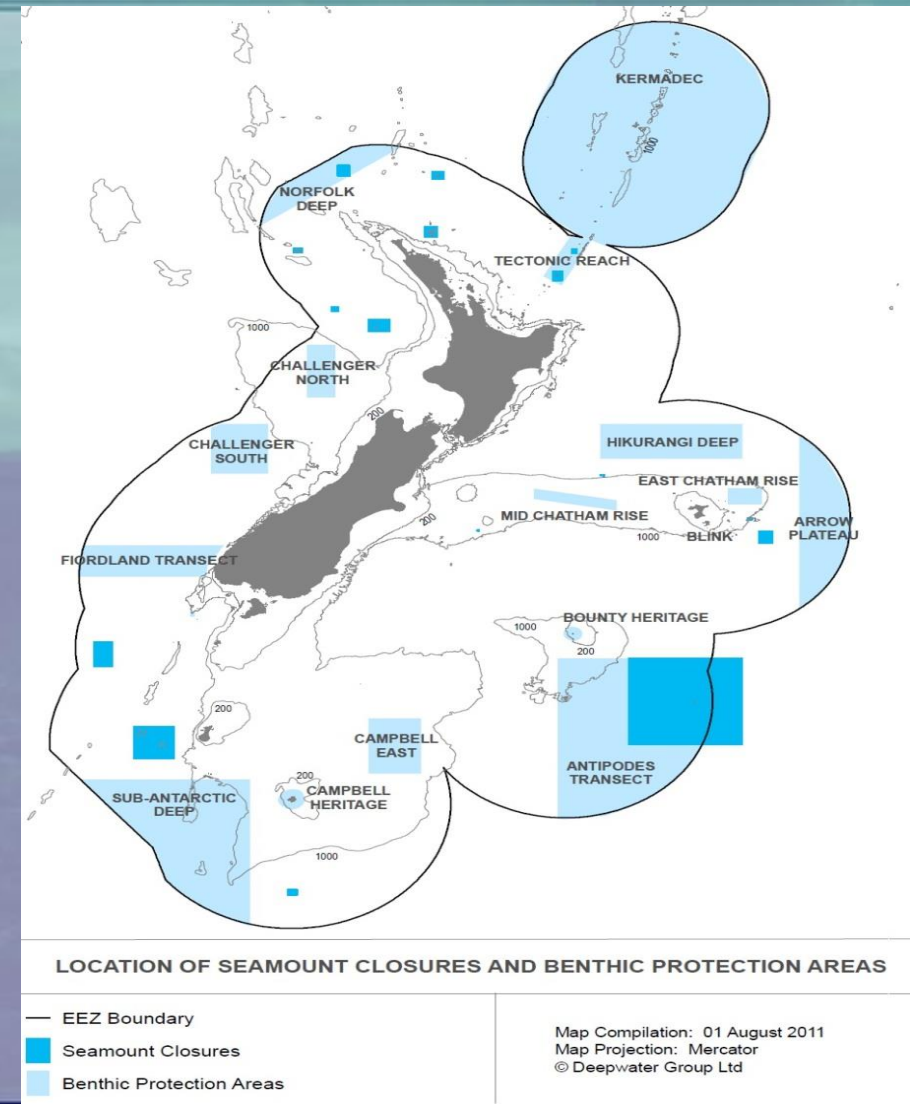


We're down here

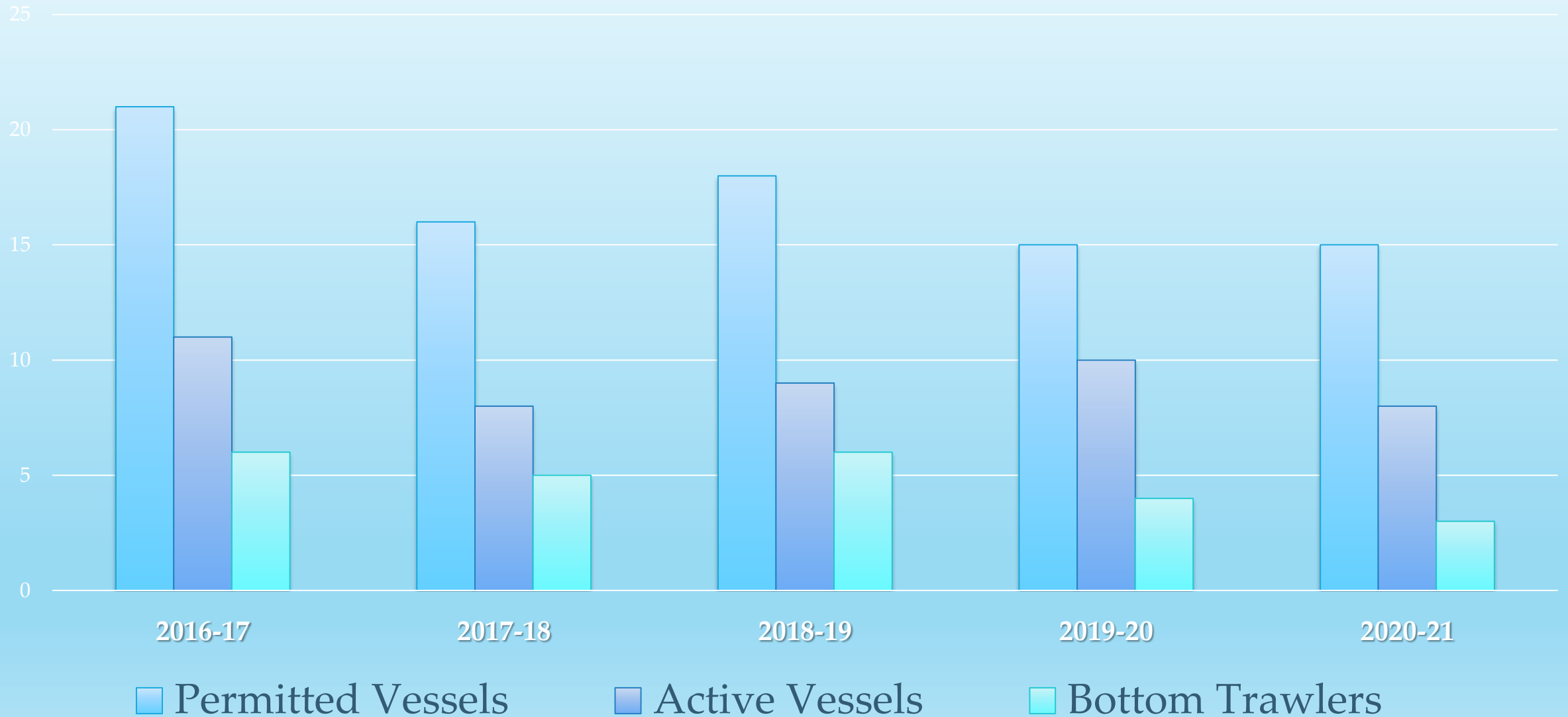


New Zealand's Domestic Bottom Fishing Management

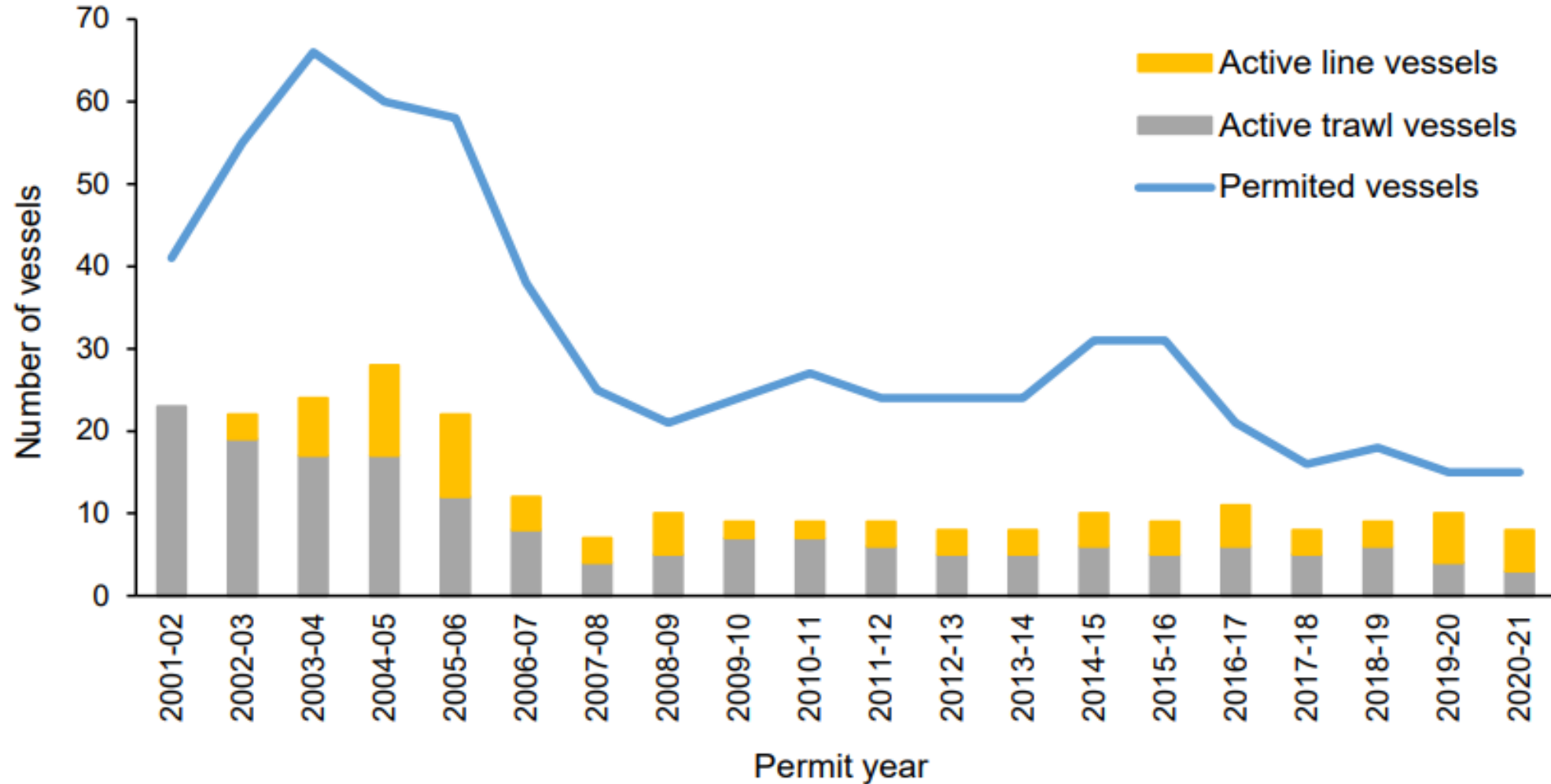
- Seamount closures and Benthic Protection Areas (BPAs)
- 30% of New Zealand's EEZ is closed to bottom trawling – challenges and opportunity?
- The rest: spatial and non-spatial management measures



New Zealand's Bottom Fishing at SPRFMO



New Zealand's Bottom Fishing at SPRFMO (20 Years)



Bottom Fishing at SPRFMO



SPRFMO Management Areas: Overview

Date: 18/02/2019
Produced by: Spatial Intelligence
Reference: r180300
Coordinate System: Mercator 41

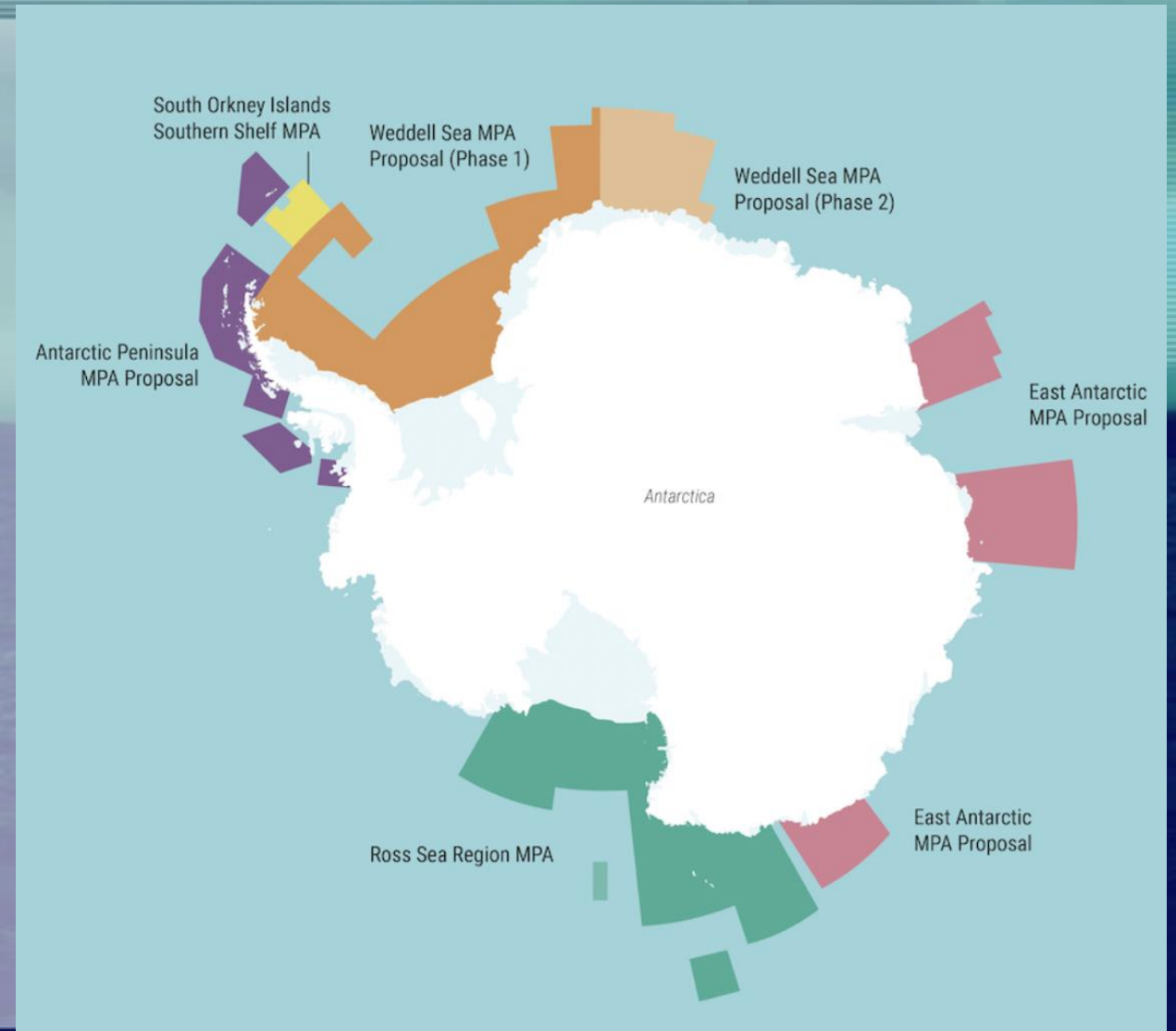
- Bottom Trawl (Also allowed: Mid-water Trawl & Bottom Line)
- Mid-water Trawl (Also allowed: Bottom Line)
- Bottom Line Only
- Exclusive Economic Zones
- Evaluated Area

Data sources: Flanders Marine Institute (2018). Basemap data sources: Esri, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Korea), Esri (Thailand), NGCC, © OpenStreetMap contributors, and the GIS User Community.

- CMM review process (2014, 2019, 2023): an opportunity to improve!
- 0.1% open to bottom trawling (spatial) + encounter protocol (non-spatial)
- The challenge: quantifying and preventing SAIs on VMEs

Bottom Fishing at CCAMLR

- No trawling + Marine Protected Areas (MPAs)
- Precautionary principle: stock assessments and VME protection based on robust science
- Catch Documentation Scheme – best practice?



Further Opportunities and Challenges

- ◉ More research and data, especially for deep sea stocks
- ◉ Sharing science and tools: best available science -> best management
- ◉ Ensuring decision-making is based on the best available science
- ◉ The impacts of climate change on habitat suitability, migration of stocks, and VMEs
- ◉ The dichotomy of views: social, economic, environmental

A dramatic seascape at sunset or sunrise. The sky is filled with dark, heavy clouds, with a bright light source on the horizon creating a lens flare and illuminating the water. A white diagonal beam of light cuts across the scene from the top right towards the horizon. The water is dark blue with visible ripples.

QUESTIONS?