

International Coalition of Fisheries Associations

Strategic Considerations

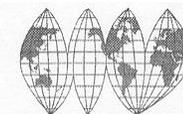
UN Bottom Trawling Workshop, 2-3 August 2022
UNHQ, New York, NY

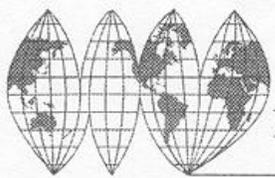


Fisheries Council of Canada
Conseil Canadien des Pêches

Outline

- Broader Considerations
- Bottom Trawling Context
- Industry Innovations
- Concluding Remarks





Broader Considerations

Food from the sea: in-demand



71%

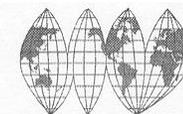
of earth covered
by ocean

3%

of total food
from the ocean

7-10%

global seafood
demand



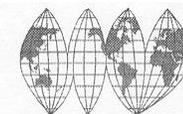
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Food from the sea: potential



HIGH LEVEL PANEL for
A SUSTAINABLE
OCEAN ECONOMY

- the ocean could supply over **six times more food** than it does today
 - more than **2/3 of the animal protein needed** to feed the future population



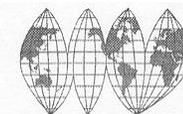
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13 CLIMATE ACTION



HIGH LEVEL PANEL for
A SUSTAINABLE
OCEAN ECONOMY

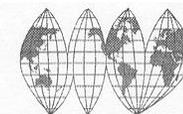
Increasing the fraction of **ocean-based food** in the global diet, and reducing the share of animal-based foods, would contribute significantly to **climate change mitigation**.



Food from the sea: nutritious



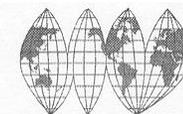
provides essential vitamins, minerals, omega-3 fatty acids and other nutrients not found in plant-source foods or other proteins



Food from the sea: employment



Nearly **half** of **all ocean employment** arises from food production



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Food from the sea: 10X benefits/costs



Every **\$1 invested** in increasing production of sustainably sourced ocean-based protein is estimated to **yield \$10 in benefits**



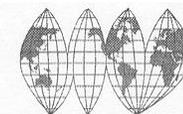
Health benefits

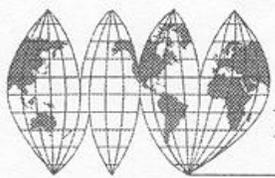


Environment benefits



Economic benefits





Bottom Trawling Context

Contributing to SDGs

- Bottom trawling is critical to global food security
 - About 19 million tons
 - About 25% of all wild-caught seafood



Effective Management is Key

Pitcher et al (2022)
found 15 of 24 regions
with a RBS above .90

Sustainable ≥ 0.95

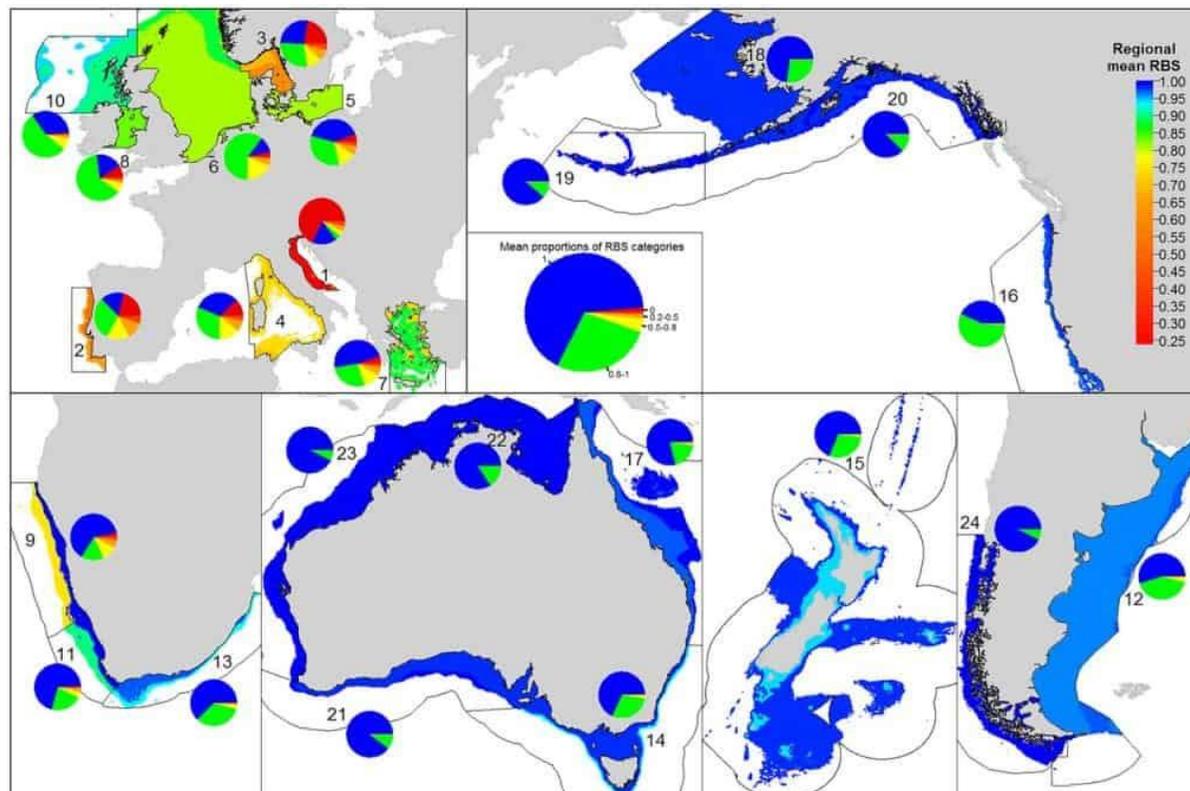
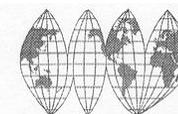
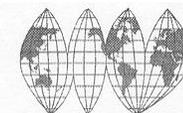


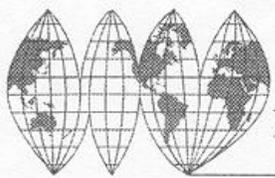
Figure 1 from Pitcher et al. 2022 shows the RBS of 24 different regions around the world. The pie charts show the proportional area of each region, i.e. the regions are colored by their most common RBS, but the entire region is not necessarily uniform in impact.



Canadian Sector

- Bottom trawl in Atlantic Canada has a market value of CAD1B
- Overall area impacted is ~2% of Canada's Atlantic marine area
- MSC considers 'low risk' for bycatch species
- Vessels are monitored 24/7 by satellites; logbook and catch reports; at-sea observers; and dockside monitoring all contribute to robust management



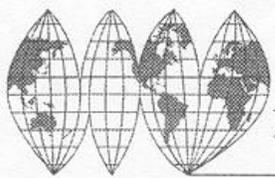


Industry Innovations

Precision Fish Harvesting

- Herding and deterring technologies; hydrodynamics; optical radar; hydroacoustics
- Minimize benthic disruption
- Reduce fuel usage and GHGs
- Increase yield
- Reduce bycatch

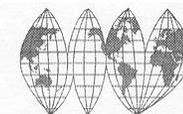




Concluding Remarks

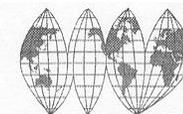
Having the Proper Mindset

- Recognize the greater imperatives
- ‘Can-do’ attitude
- Moral obligation to do the right thing for the greater good



Actions

- Fill the data gaps and build capacity where it is weak
- Balance essential food supply with science-based sustainable harvest practices
- Celebrate strong performance where it exists





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