



Food and Agriculture Organization  
of the United Nations

# The future of our oceans: Towards a new vision for global fisheries & aquaculture

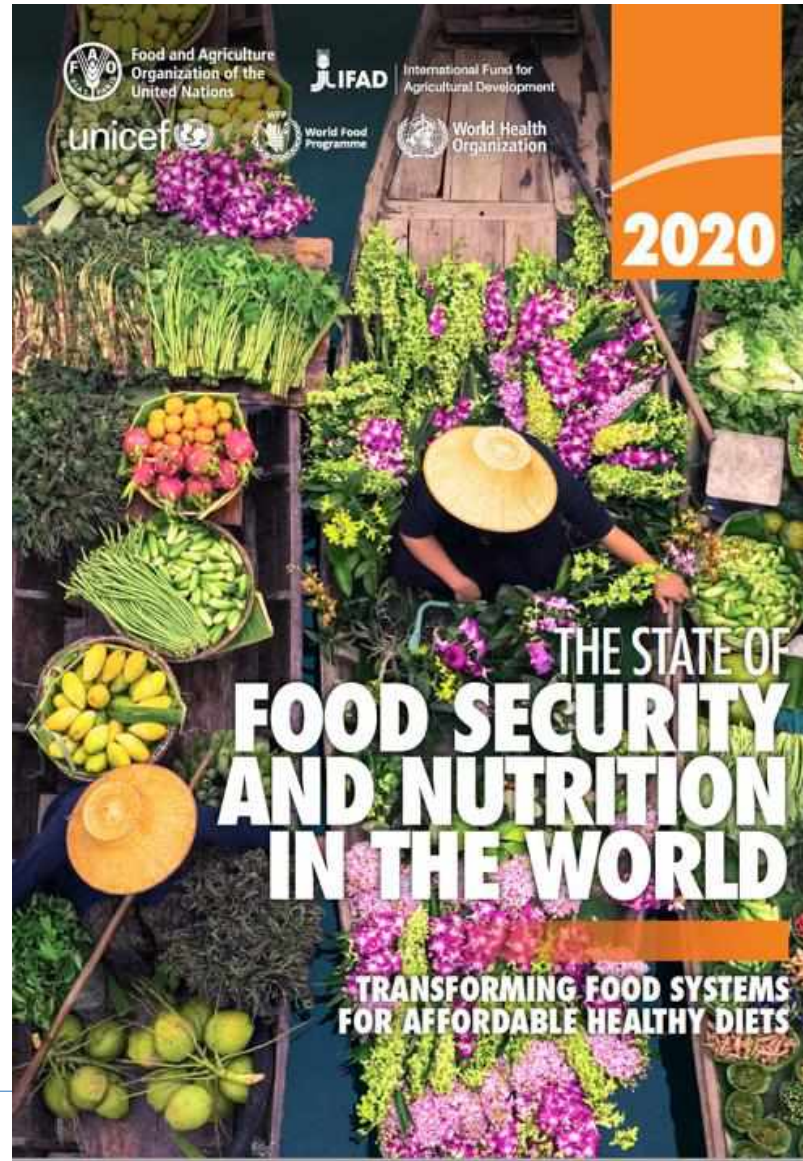
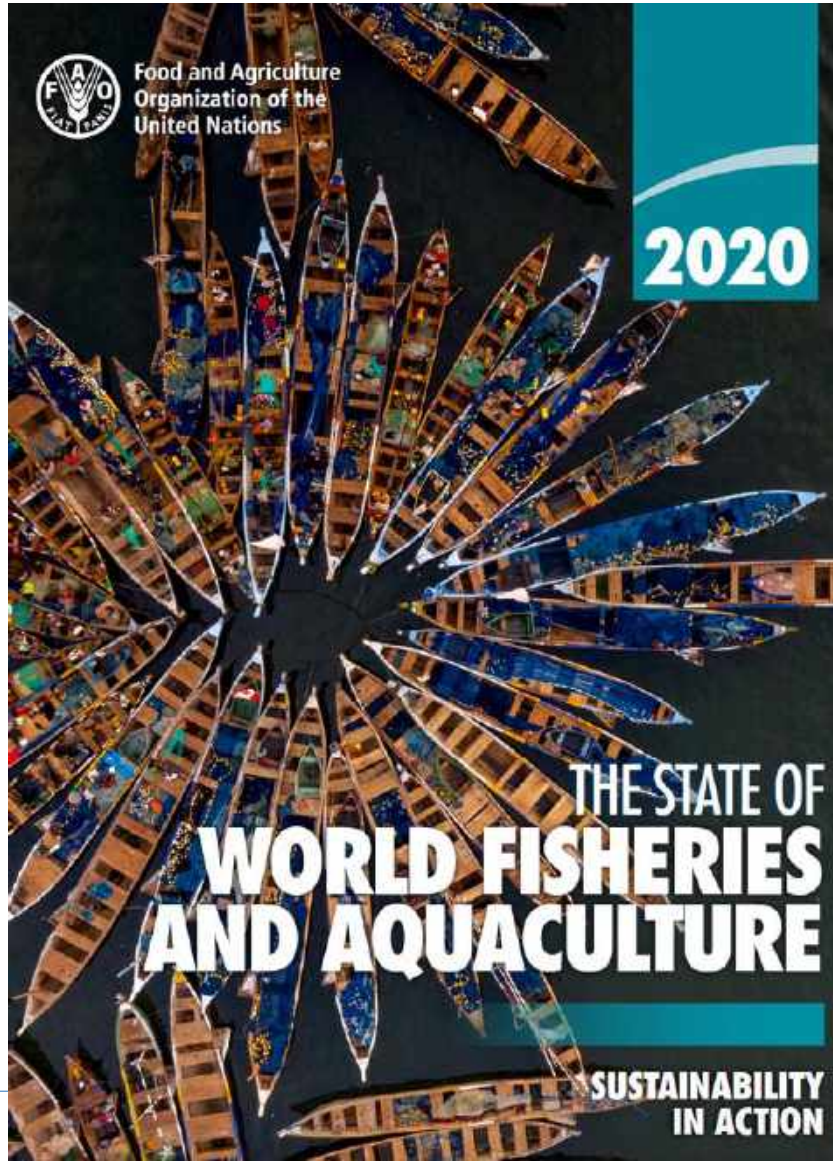
Manuel Barange  
Director Fisheries Division  
FAO



07 October 2020



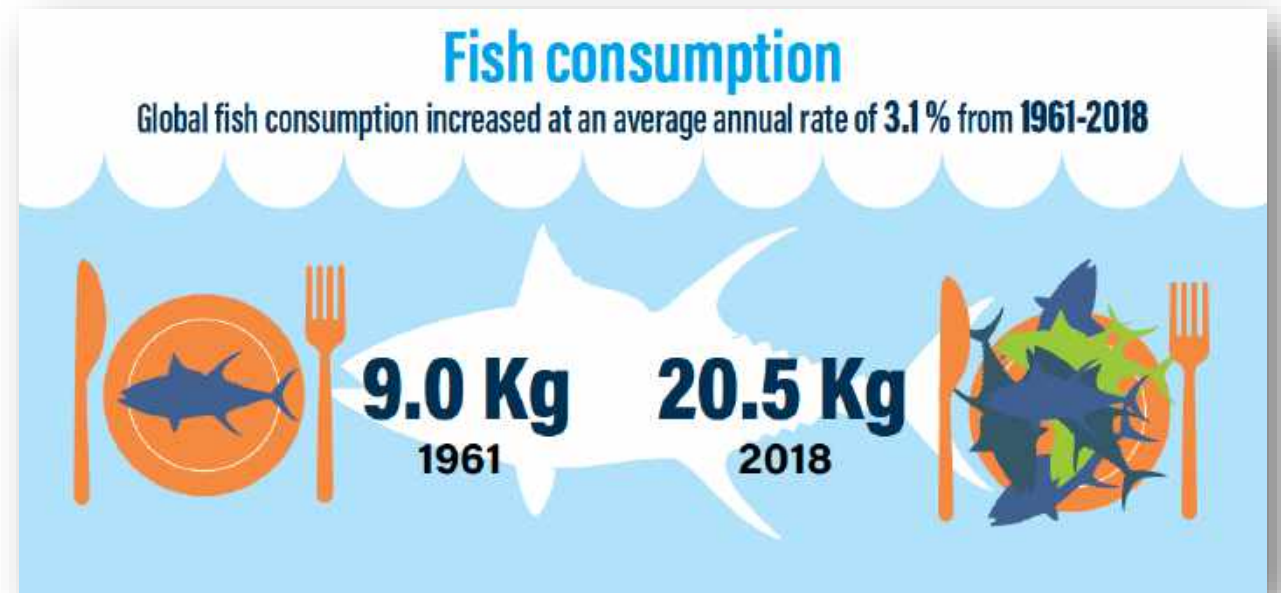
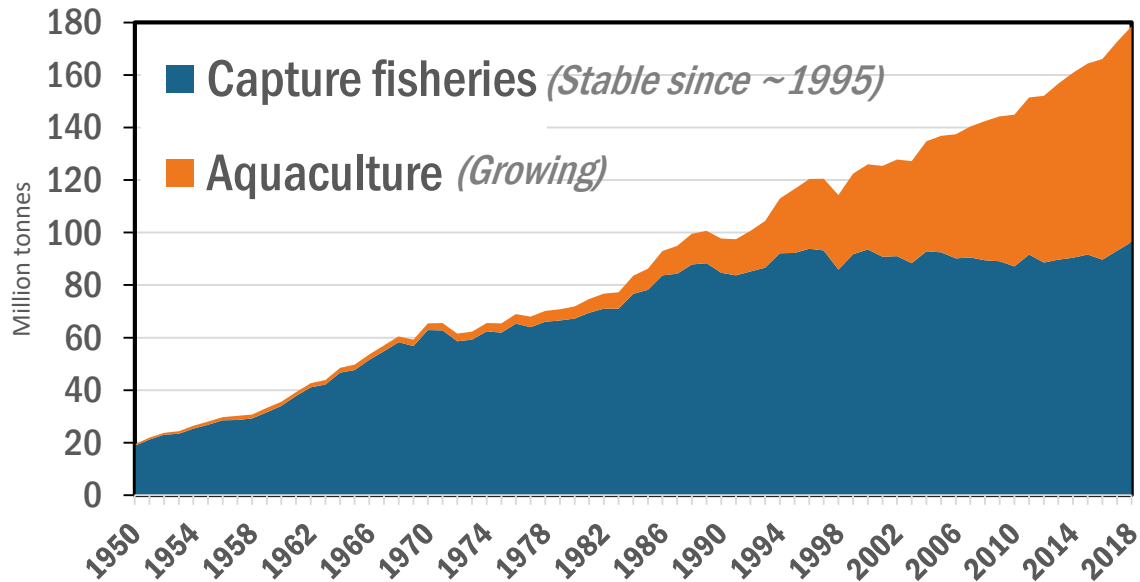
## WHAT IS THE STATE OF GLOBAL FISHERIES AND AQUACULTURE



- 690 million undernourished, 60 million more than in 2014
- COVID-19 could add >100 million of undernourished people in 2020

# HOW HAS SOCIETY BENEFITTED FROM FISHERIES AND AQUACULTURE?

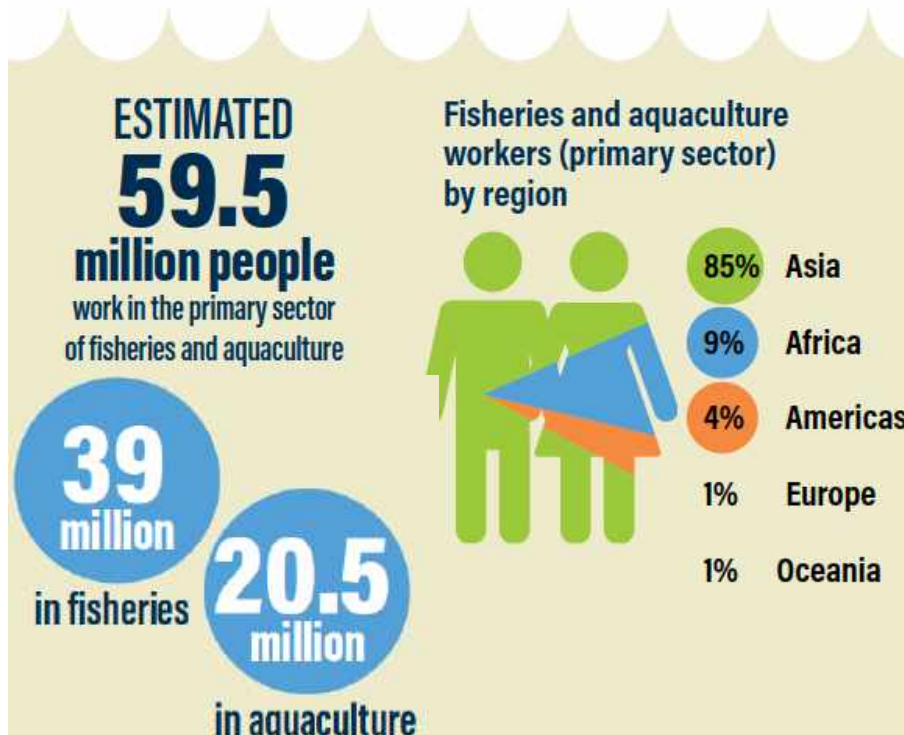
## World capture fisheries and aquaculture production



**Fish consumption growing at twice the rate of population growth  
A net contributor to the global nutrition revolution**

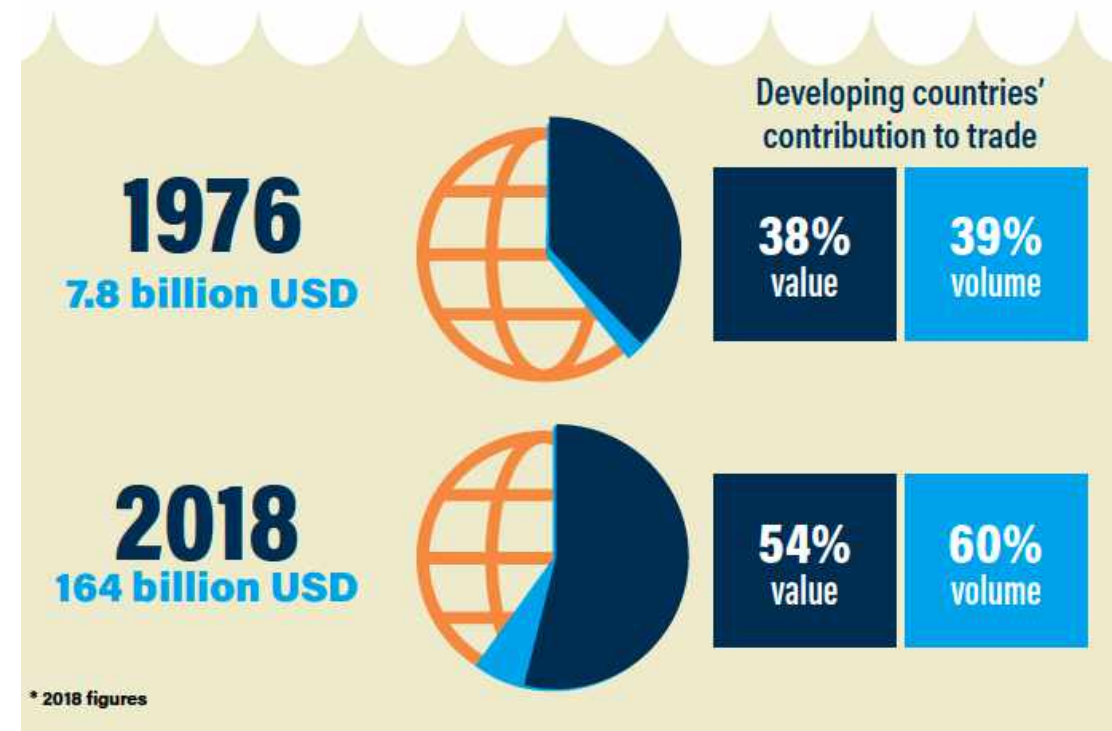
# HOW HAS SOCIETY BENEFITTED FROM FISHERIES AND AQUACULTURE?

## Global employment in fisheries and aquaculture



## Fish Trade trends

Fish is among the **most traded food** commodities in the world.



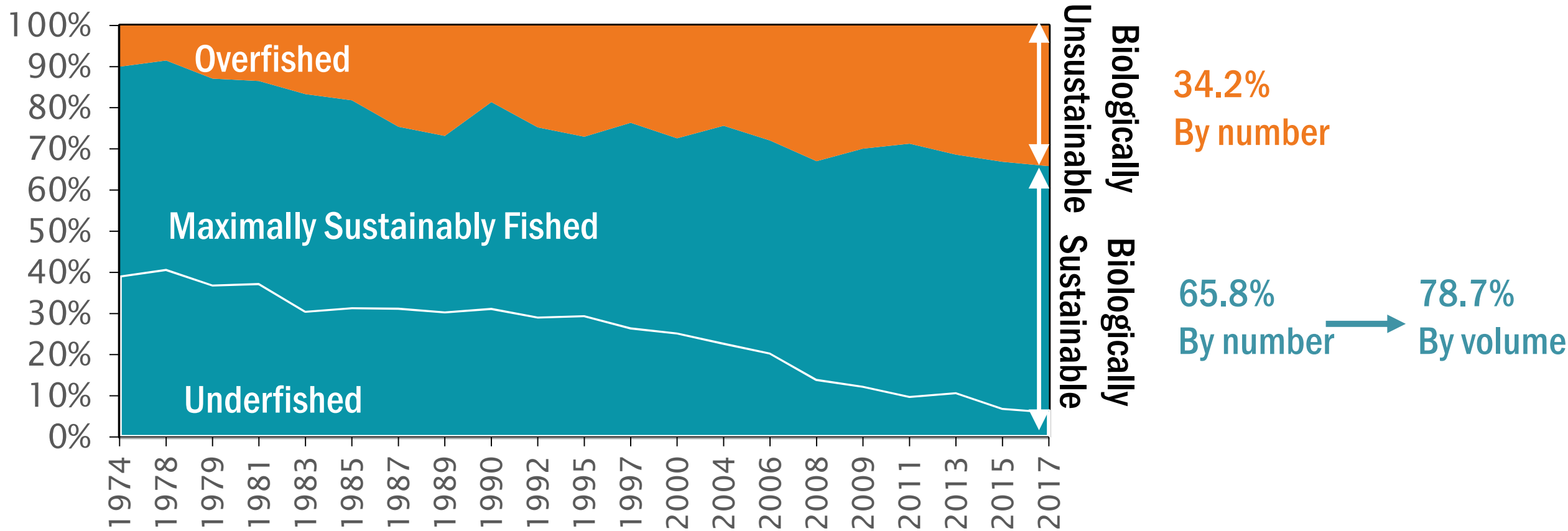
**A significant income generator for developing countries**

**Supporter of livelihoods of 10% of the world's population (mostly in Asia and Africa)**



# Fisheries Sustainability

UNCLOS, SDG14.4 – “...RESTORE POPULATIONS TO MAXIMUM SUSTAINABLE YIELD LEVELS”  
FAO BIOMASS-BASED INDEX – CAPTURES 70% OF LANDINGS



**Stocks under intense management = Increasingly Sustainable or Rebuilding**

**Stocks not under intense management = Deteriorating**



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## WHAT DOES SOCIETY EXPECT FROM FISHERIES AND AQUACULTURE IN THE 21ST CENTURY?

### International Symposium on Fisheries Sustainability

STRENGTHENING THE SCIENCE-POLICY NEXUS



FAO HEADQUARTERS  
18-21 NOVEMBER 2019  
ROME, ITALY



1,000 participants/ 100 countries/ 107 speakers/ 9 topical sessions/ 1 innovation forum/ interactivity tools



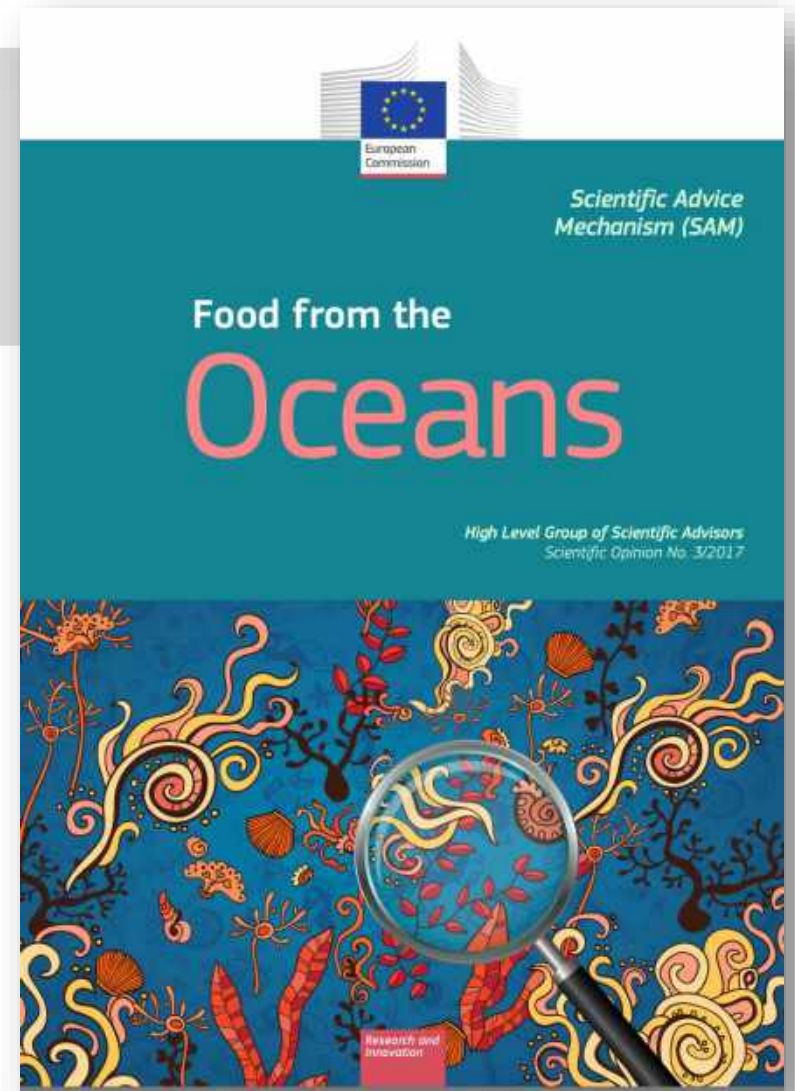
## A NEW NARRATIVE FOR FISHERIES AND AQUACULTURE

*That recognizes its unique benefits for food and nutrition security, livelihoods and trade, as well as cultural and social values to gel societies together. A narrative that acknowledges successes while facing head on its sustainability challenges.*



Without Fisheries and Aquaculture the environmental impact of our food production systems would be much larger

- *It is recognized that more is expected from aquatic systems to reduce hunger and poverty*
- ***Aquaculture:** the fastest growing food production industry in the last 5 decades*
- *Ecological sustainability is more difficult in places where hunger, poverty and political instability dominate*





## Conservation and Sustainable use are not incompatible concepts

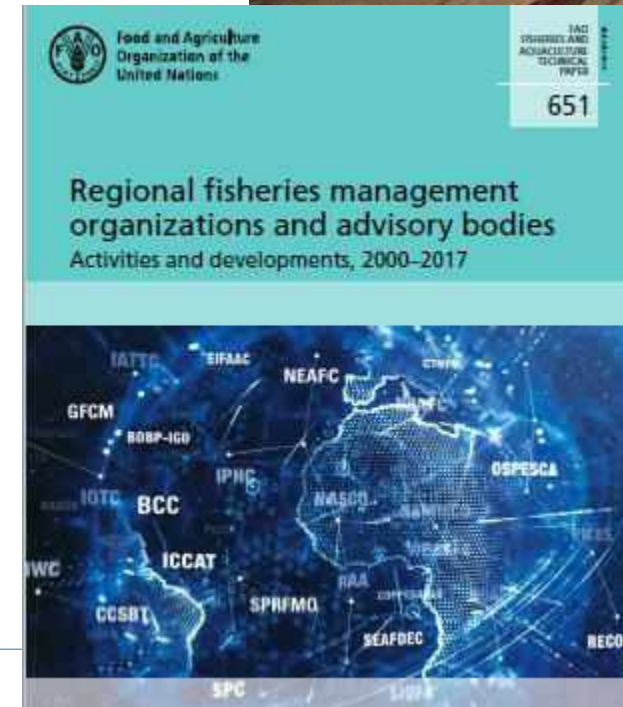
- ***Reciprocal mainstreaming*** - development and food security considerations should be integrated into biodiversity objectives, and viceversa
- ***Make better use of all conservation tools – Other Effective Area Based Conservation Measures (OECMs, part of CBD's Aichi Target 11) are underutilized compared to MPAs***
- ***The FAO ecosystem approach is the most effective framework for integrating conservation and sustainable use of marine resources***





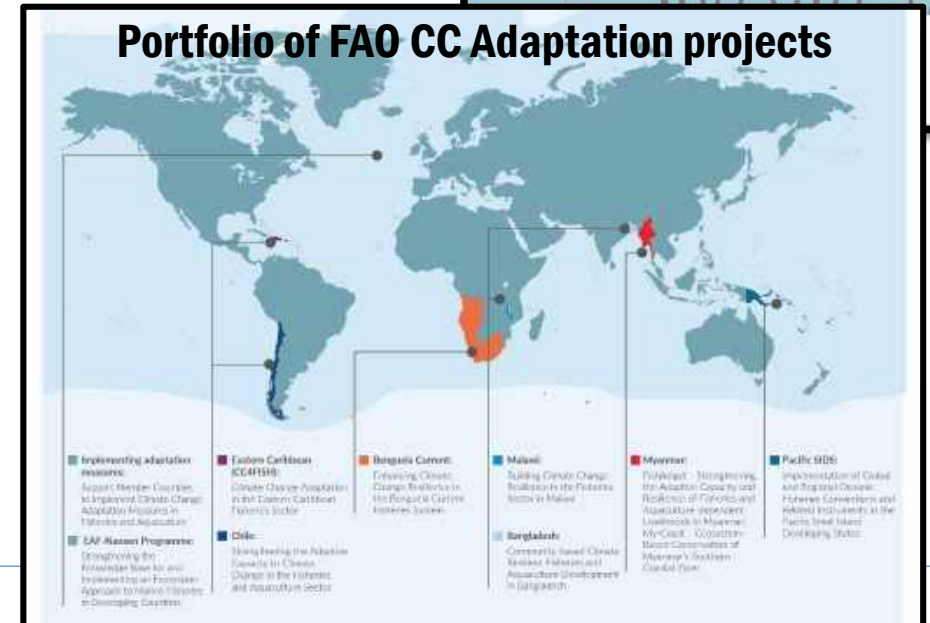
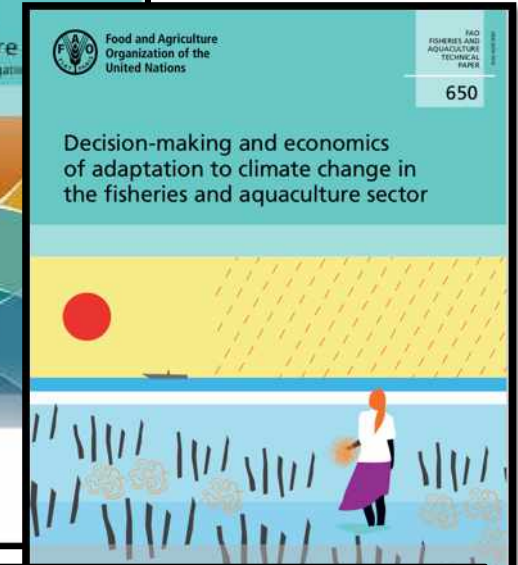
## Management can be the best conservation tool

- *Acknowledge and scale up management successes around the world*
- *FAO propose that 100% of seascapes to be sustainably managed on the basis of the Ecosystem Approach*
- *Reinforce international and regional cooperative governance mechanisms – Support the 49 RFMOs making binding conservation and management measures, including 8 deep-sea RFMOs and 5 tuna RFMOs managing resources in ABNJ*



## Urgently implement transformative adaptations to Climate Change

- ***Fishers are adapting, institutions and policies need to step-up***
- ***Improve fisheries management systems, including spatial management mechanisms***
- ***Diversify supply chains by adding value to new or currently undervalued resources***
- ***Invest in innovation: insurance, early warning systems, communication, fishing methods, use of real-time data.***



# A New Narrative for Fisheries and Aquaculture – BLUE TRANSFORMATION



- **Re-invest in transformative Fisheries Management**
- **Support sustainable intensification of Aquaculture**
- **Transform and add value to current and emerging supply chains**
- **Reconcile Global North sustainability narratives with Global South food security priorities**



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# **A New Narrative–BLUE TRANSFORMATION**

## **To turn fisheries and aquaculture from a problem to a solution**



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**SOFIA 2020** : <http://www.fao.org/documents/card/en/c/ca9229en>

**COVID-19 Addendum**: <http://www.fao.org/documents/card/en/c/ca9349en>

**International Symposium Fisheries Sustainability** : <http://www.fao.org/3/ca9165en/ca9165en.pdf>