



Food and Agriculture
Organization of the
United Nations

Ending hunger, Securing Food supplies and Promoting good health and Sustainable Fisheries

Manuel Barange

Director Fisheries and Aquaculture Division

Food and Agriculture Organization of the UN, Rome, Italy

 Manuel.barange@fao.org

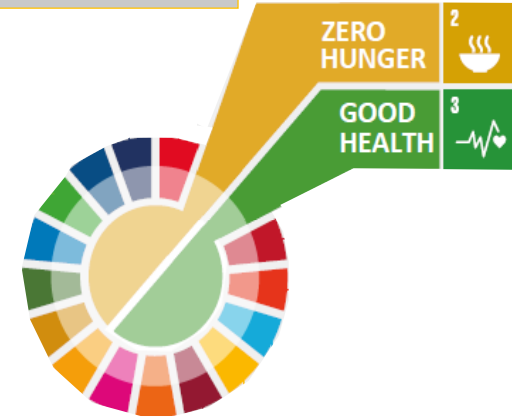
 @Manu_FAO



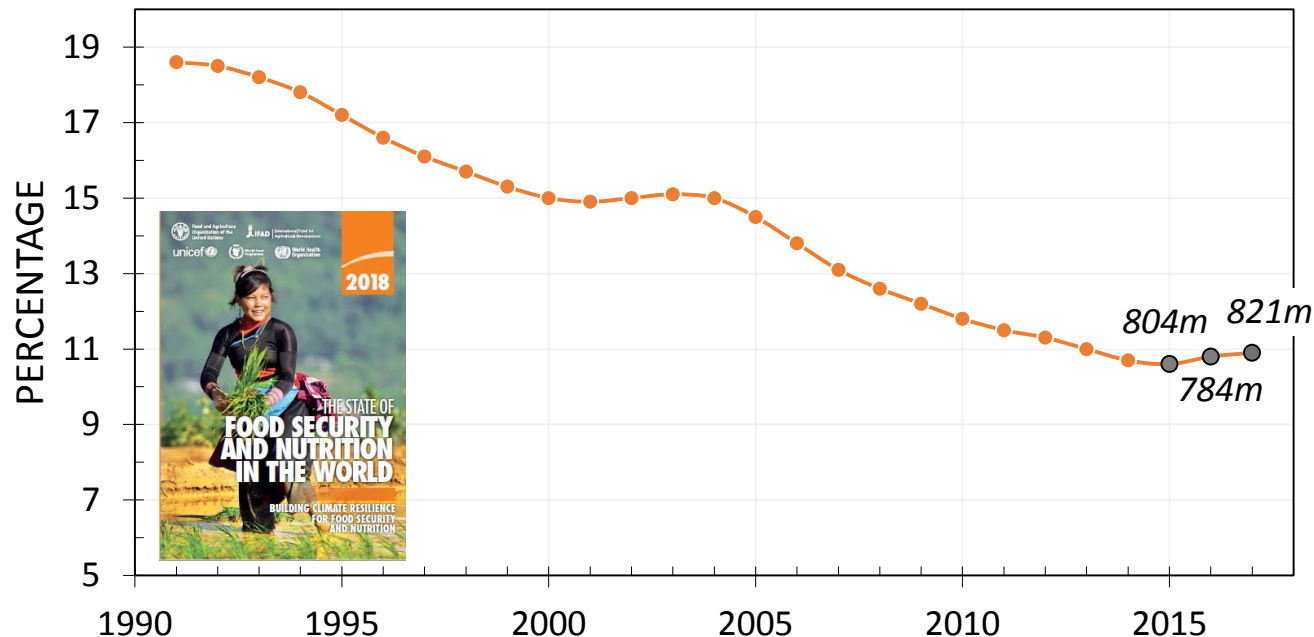


State of Food Security and Nutrition – Regressing

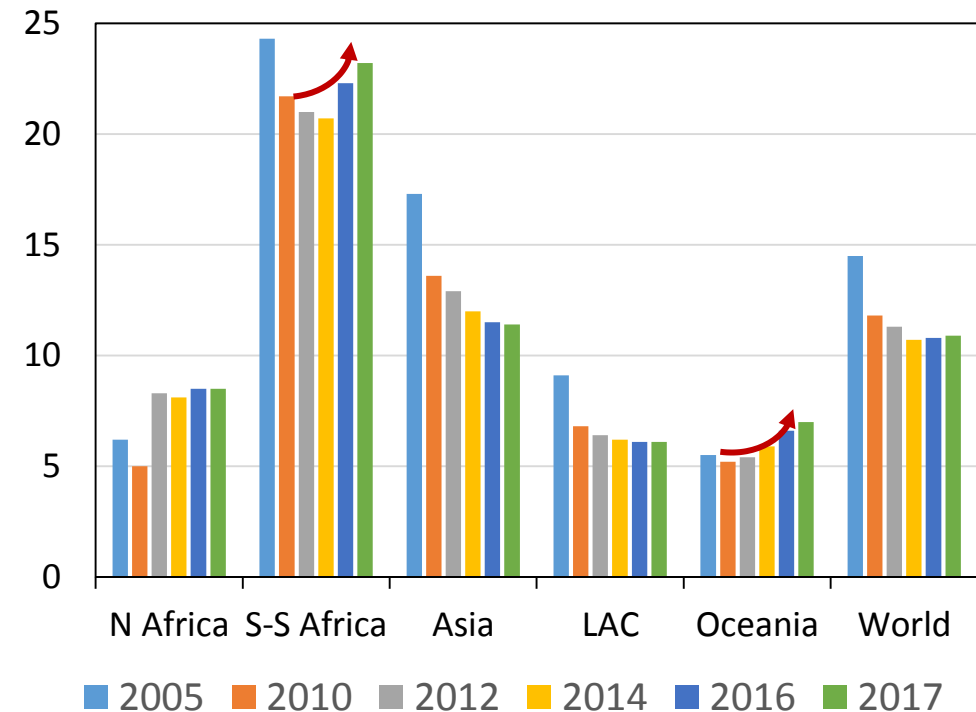
- Over 50 million children under five are affected by wasting
- More than one in eight adults is obese
- One in three women of reproductive age is anaemic



UNDERNOURISHED PEOPLE (WORLD)



UNDERNOURISHMENT TRENDS





Food and Agriculture Organization
of the United Nations



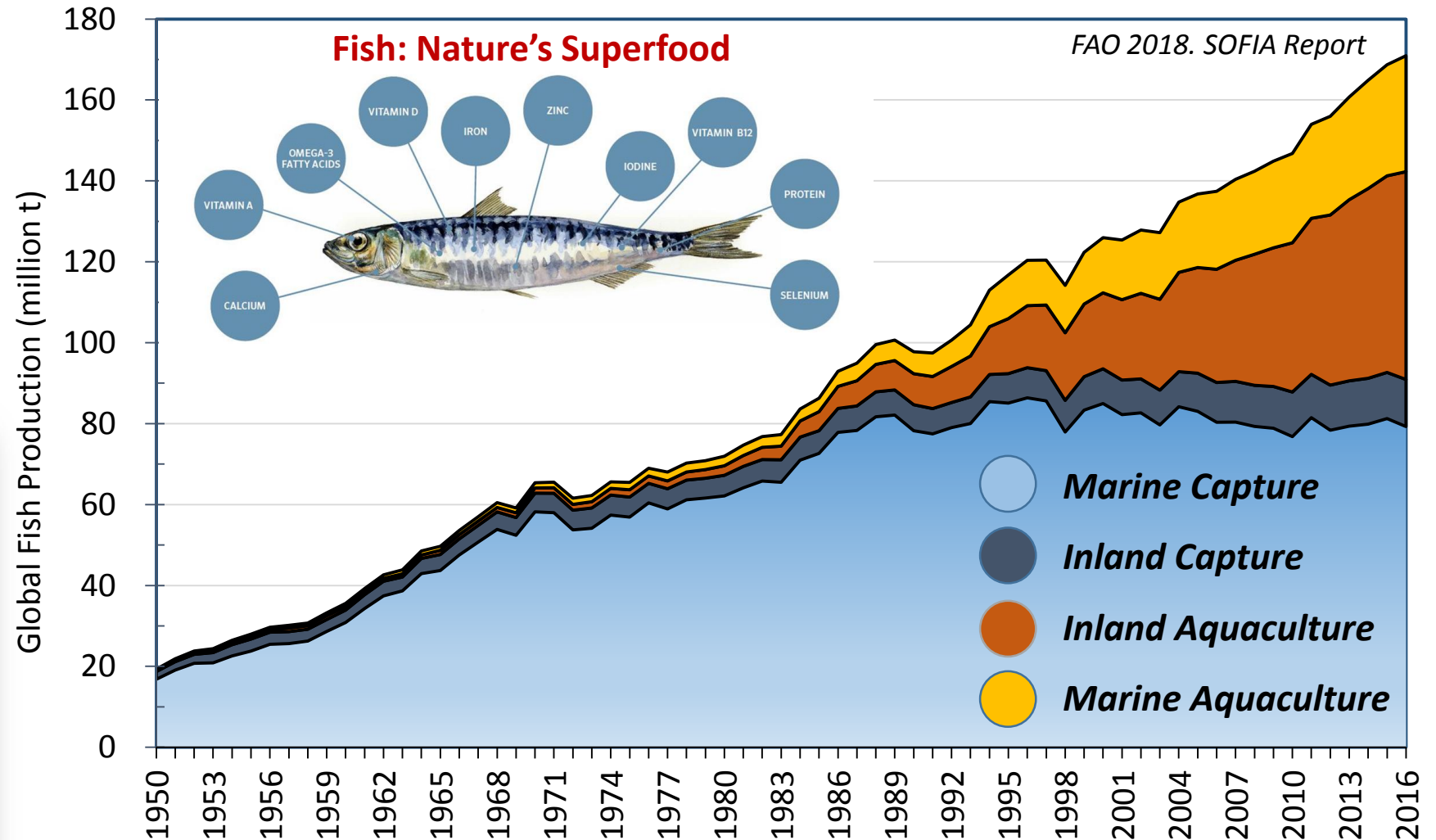
Produces 20.3 kg/capita/year



60 million people directly
engaged in the primary
sector of fisheries and
aquaculture



No Zero Hunger without Fisheries and Aquaculture



Of the world's top 30 fish-consuming nations, 22 are Low-income-Food-Deficit (LIFD) countries



Aquaculture – A success Story

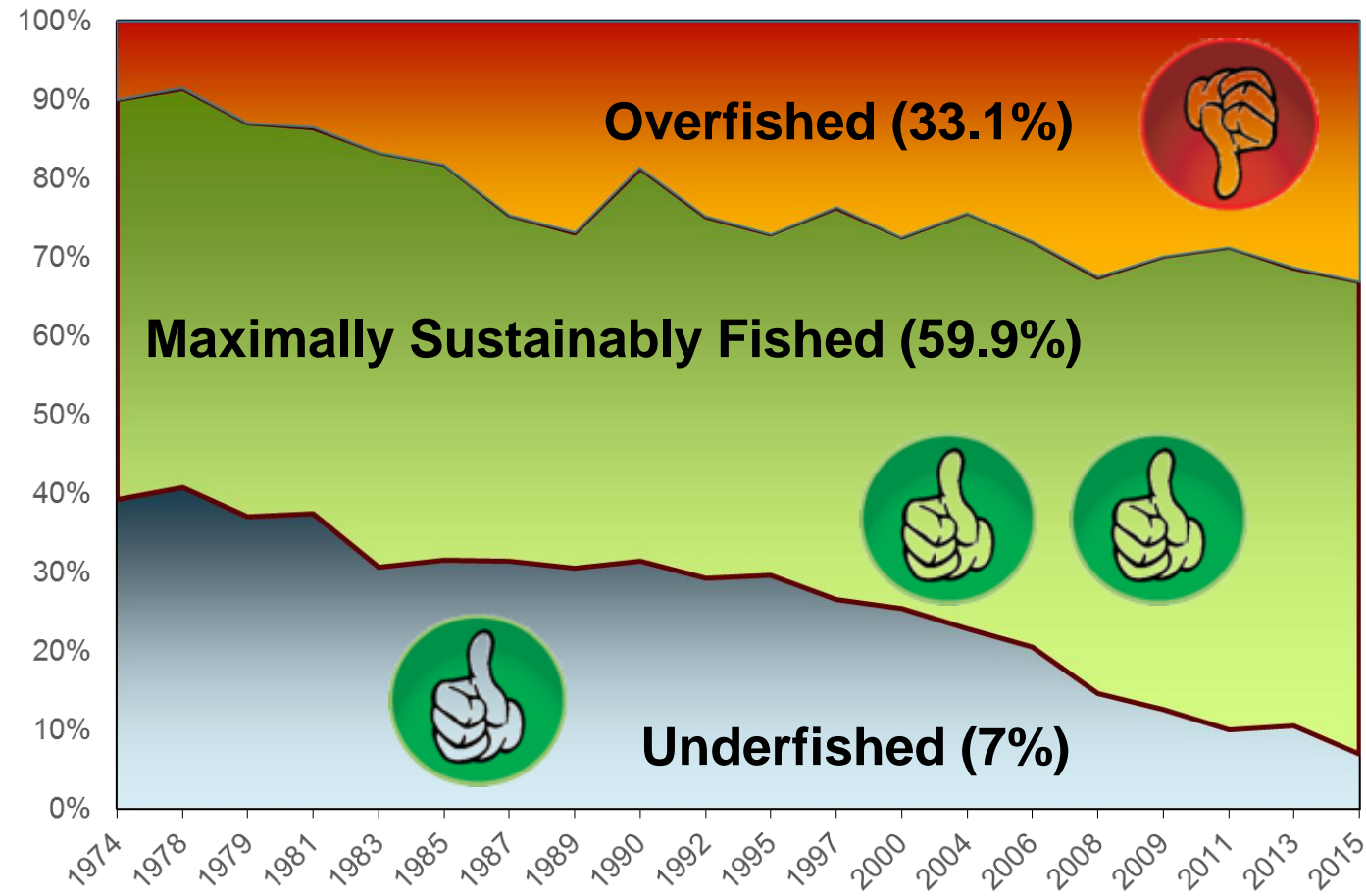
In 2016

- 80.0 million tonnes of food fish (53% of total fish we eat)
- 30.1 million tonnes of aquatic plants
- 5.8 percent annual growth rate during 2001-2016
- 598 species –types farmed in the world

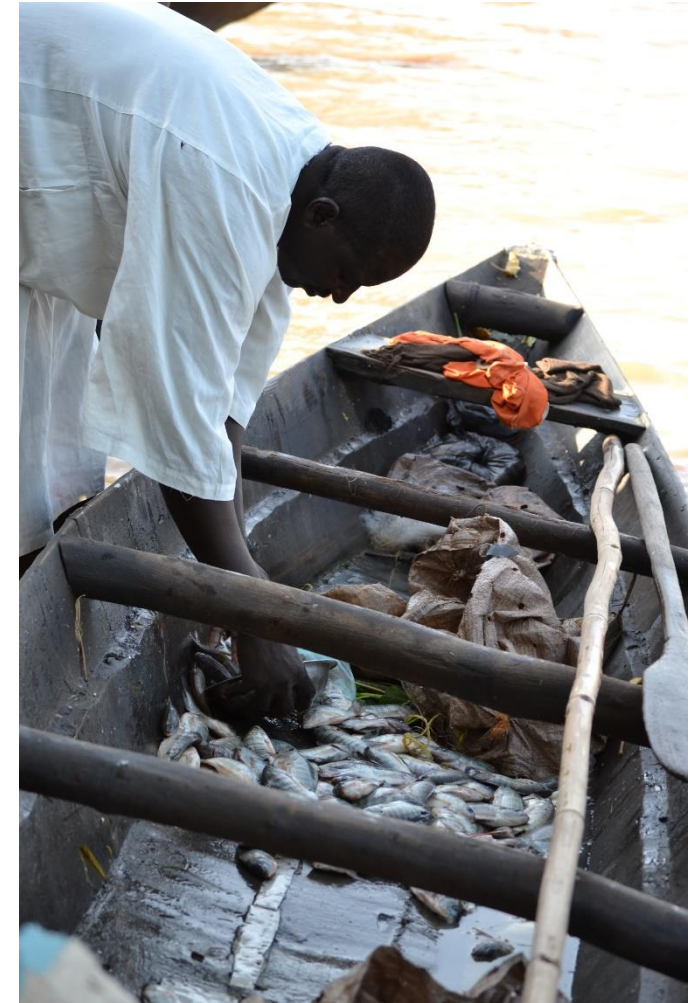




But marine capture fisheries are deteriorating



FAO 2018. *SOFIA Report*





Food and Agriculture Organization
of the United Nations

2 ZERO
HUNGER

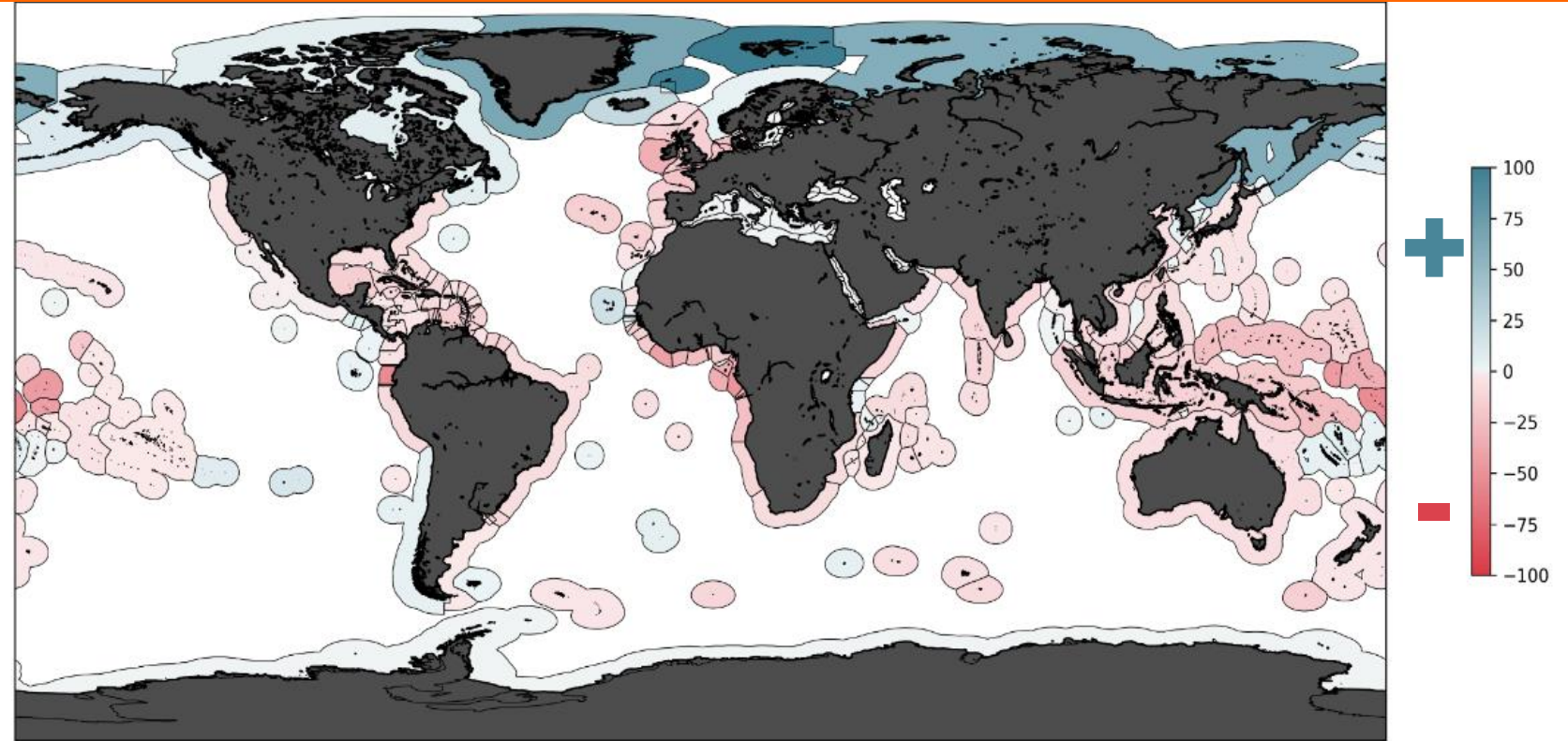


Climate Change will affect fisheries and aquaculture



Barange, M., et al. 2018. FAO
Technical Paper 627.

Change of Fish Catch Potential by 2050 (RCP2.6 emissions)





Food and Agriculture
Organization of the
United Nations

Blue Growth – A viable and necessary alternative to BaU





Blue Growth – Supporting the SDGs





- Many countries, including SIDS and coastal LDCs, are transitioning towards the Blue Economy
- No single, one-size-fits-all approach
- Adaptable to country needs and priorities

Platforms*



Enabling conditions*



Status of Blue Growth activities



Caribbean

With rising populations, tourism and a focus on healthy diets, Caribbean Blue Growth activities are focused primarily on increasing volumes of fish for local consumption by small- and medium-scale aquaculture and aquaponics, in an economically viable, ecologically sustainable and socially acceptable manner.



Asia and the Pacific

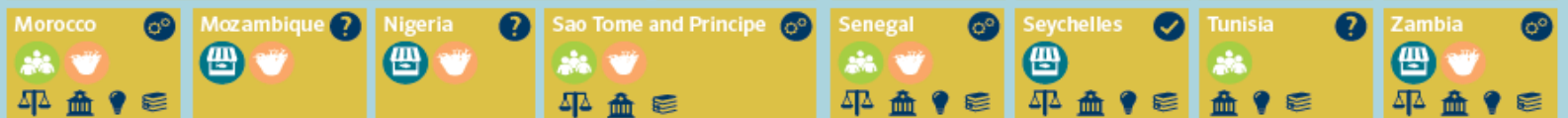
In Asia and the Pacific, aquaculture of fish and crops, such as seaweed, are the key drivers to Blue Growth. Combining innovative techniques and financing, farmers in these countries are producing their products more efficiently and marketing them more effectively, generating more jobs, higher income, all while sustainably preserving the environment.



Blue Growth Initiative globally

Africa and the Near East

Africa and the Near East are focused on using Blue Growth as a vehicle to achieve Sustainable Development Goal 14, to conserve and sustainable use the oceans, seas and marine resources for sustainable development, particularly in light of population growth and increased migration flows, alongside the added stress of climate-change impacts, which place greater pressure on limited natural resources.





From Blue Growth to SDG Goals



Status Quo
(e.g., declining
resources, lack
of decent work)



Platforms of Intervention:

Capture,
Aquaculture,
Value chains,
Workers,
Consumers



Enabling Conditions

Law,
Finance,
Knowledge,
Innovation,
Adaptation



Blue Growth

(e.g., rebuilt stocks, decent
work opportunities)



SUSTAINABLE DEVELOPMENT GOALS





BGI Platforms for Blue Growth Intervention

Blue Production

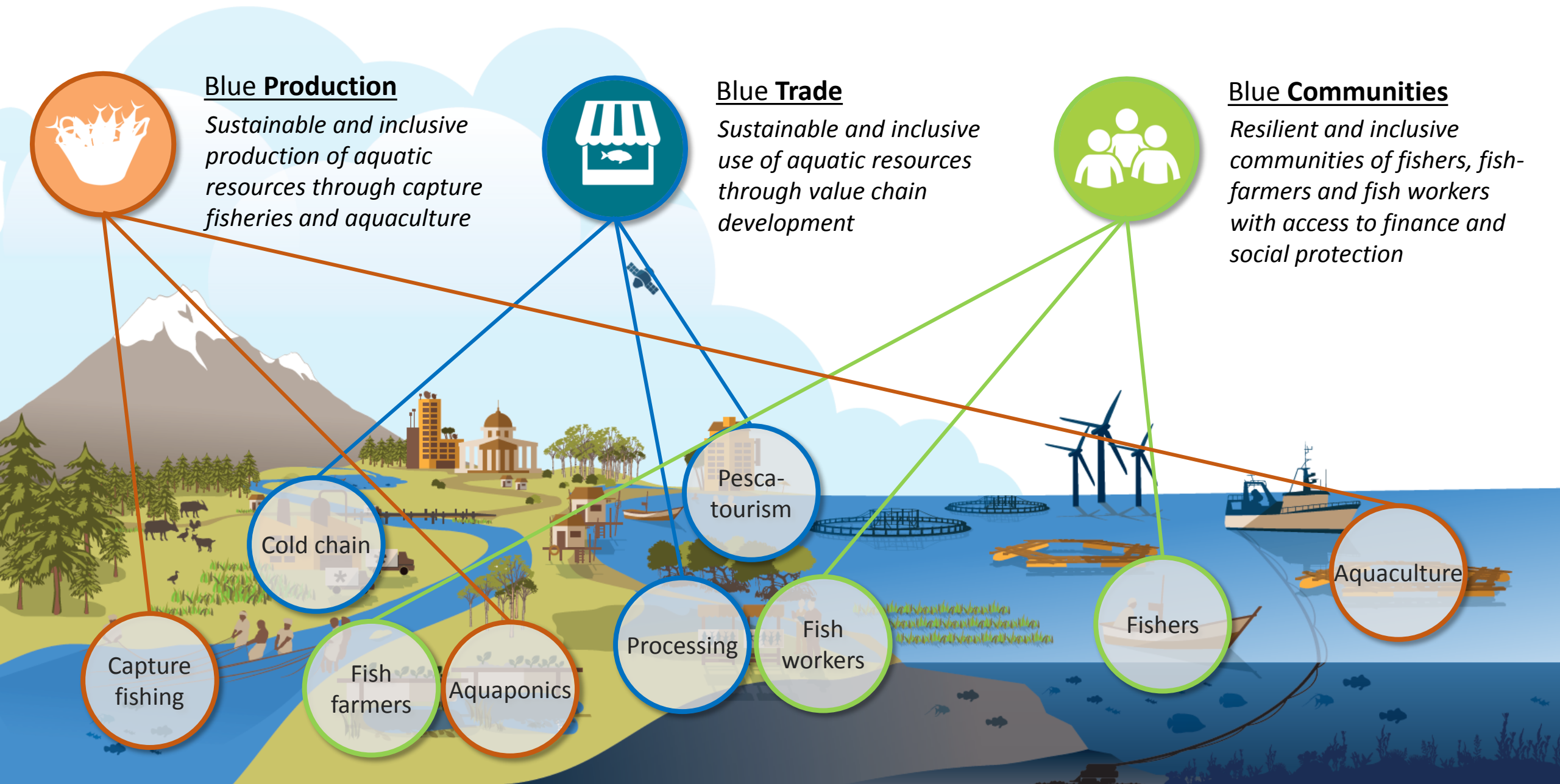
Sustainable and inclusive production of aquatic resources through capture fisheries and aquaculture

Blue Trade

Sustainable and inclusive use of aquatic resources through value chain development

Blue Communities

Resilient and inclusive communities of fishers, fish-farmers and fish workers with access to finance and social protection





Food and Agriculture
Organization of the
United Nations

SUSTAINABLE
DEVELOPMENT
GOALS



**WE CANNOT
ATTAIN SDG14
WITHOUT
SUSTAINABLE
AND
PROFITABLE
FISHERIES**

14 LIFE
BELOW WATER



2 ZERO
HUNGER



**WITHOUT
SUSTAINABLE
AND
PROFITABLE
FISHERIES WE
CANNOT
ATTAIN ZERO
HUNGER**

