



CGIAR Research Program on Fish Agri-Food Systems (FISH) & Sustainable Development Goals

World Seafood Congress, Penang, Malaysia
10 September 2019



RESEARCH
PROGRAM ON
Fish



FISH goal:

to achieve sustainable production and equitable distribution of fish to improve the livelihoods and nutrition of poor households

Partnerships for innovation & impact at scale

In 2018, FISH partnered with 26 research institutions, 11 development organizations, 9 national agencies, 3 private sector and CGIAR Research Programs



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WorldFish



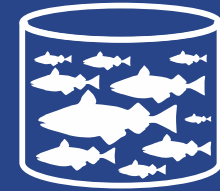
FISH Flagship 1: Sustainable Aquaculture

Research Clusters

Fish breeds and genetics

Fish health, nutrition and feeds

Aquaculture systems



FISH Flagship 2: Sustaining Small-Scale Fisheries

Research Clusters

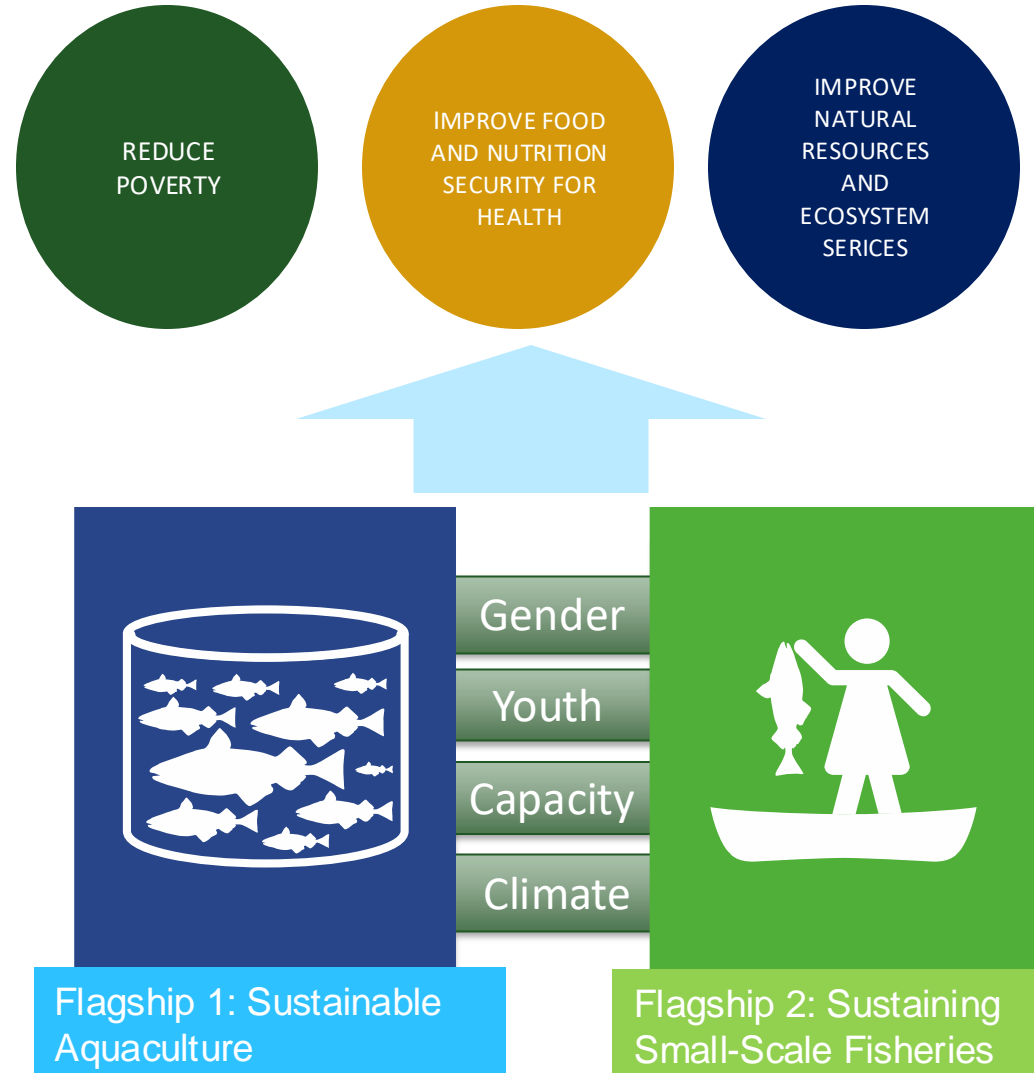
Resilient coastal fisheries

Fish in multifunctional landscapes

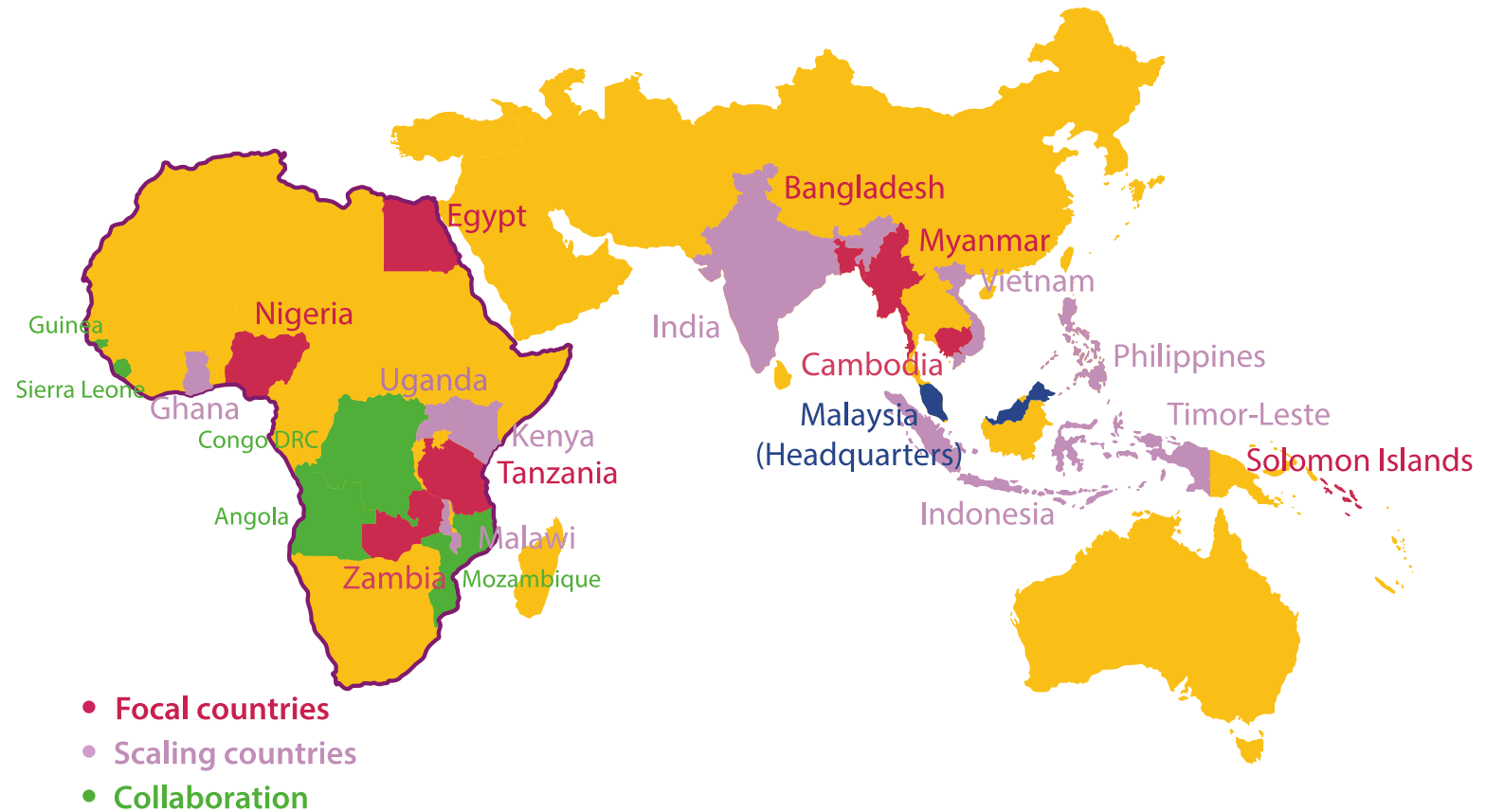
Fish in regional food systems



CGIAR Research Program: FISH



FISH Geographies





FISH contributes directly to several SDGs

- *through research on innovations for sustainable small-scale fisheries, aquaculture & associated value chains*
- *through development partnerships that enable impacts at scale from national to global levels*
- *through a strong focus on impact and alignment with national challenges and opportunities*

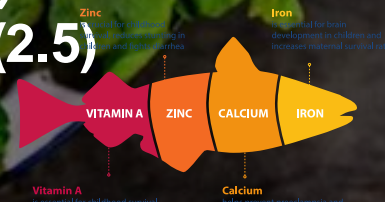


END HUNGER, ACHIEVE FOOD SECURITY AND IMPROVED NUTRITION AND PROMOTE SUSTAINABLE AGRICULTURE

Fish has a special, though often hidden, role in improving nutrition and sustainable food production

FISH research contributes to several SDG 2 targets:

- Innovations that increase productivity of aquaculture systems (2.3; 2.4)
- "Hidden harvest" research on the hidden values of small-scale fisheries (2.3; 2.4)
- Developing and applying concepts of nutrition sensitive aquaculture and fisheries systems (2.1;2.2; 2.3; 2.4)
- Partnerships with health, nutrition and agriculture partners and policies to recognize the unique role of fish (2.1; 2.2)
- Improving aquatic genetic resources management (2.5)





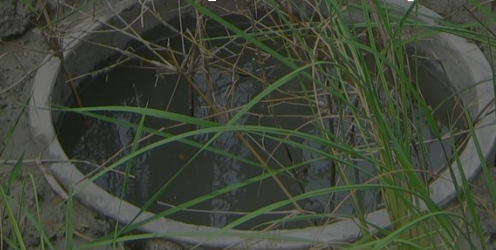
FISH gender-transformative and women's empowerment approaches contribute to several SDG 5 targets:

- **Research leadership teams that ensure women's full and effective participation in research (5.5)**
- **Reforms, technologies and policies in aquaculture and fisheries production, value chains and business that promote gender equality and empowerment of women (5A-C)**
- **A new "Women in Fisheries Index" for measuring empowerment and gender transformative change**
- **Raising the profile of gender within implementation of FAO Small-Scale Fisheries "Hidden harvest" research on the hidden values of small-scale fisheries (5A-C)**

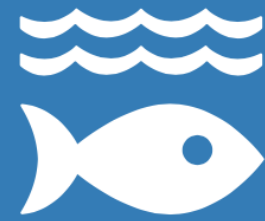


FISH contributes solutions that mitigate GHG emissions and adaptation of vulnerable communities:, contributing to several SDG 13 targets:

- **Strengthening resilience and adaptive capacity (13.1)**
- **Global and national assessments of vulnerability and adaptation, supporting national policies, strategies and plans (13.2)**
- **Climate smart aquaculture and low GHG emission and efficient aquaculture systems (13.3)**
- **Focus on Pacific island adaptation (13B)**



14 LIFE BELOW WATER



Sustaining small-scale fisheries and management of coastal plays a fundamental role in meeting SDG 14.

FISH research contributes to several SDG 14 targets:

- **Improving fisheries management and “co-management” in coastal and estuarine areas (14.2; 14.4; 14.7; 14A-C):**
 - **Bangladesh Hilsa fisheries**
 - **Solomon Islands and Pacific community based fisheries management**
- **Special focus on Small Island Developing States, including SIDS learning hub in Solomon Islands (14.7)**
- **But, special opportunity for aquatic food production systems and management to contribute more to the SDGs..**



Challenges:

- Synergies and trade offs
- Measuring the SDG outcomes: better evaluation through *ex-ante* and *ex-post* impact assessments
- Policy change occurs outside the sector!! (eg Myanmar)



Future:

- **Aquatic food production systems, SDG 14 & food system transformation**
 - **Sustainable production**
 - **Healthy and nutritious diets**
 - **Inclusive and equitable economies**
- **Research, policies, vision and partnerships**

Thank You



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