Scaling up technologies through value chains

Scaling Up Adoption and Use of Agricultural Technologies
GLEE, Bangkok, Thailand, January 7-9 ,2014

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WorldFish

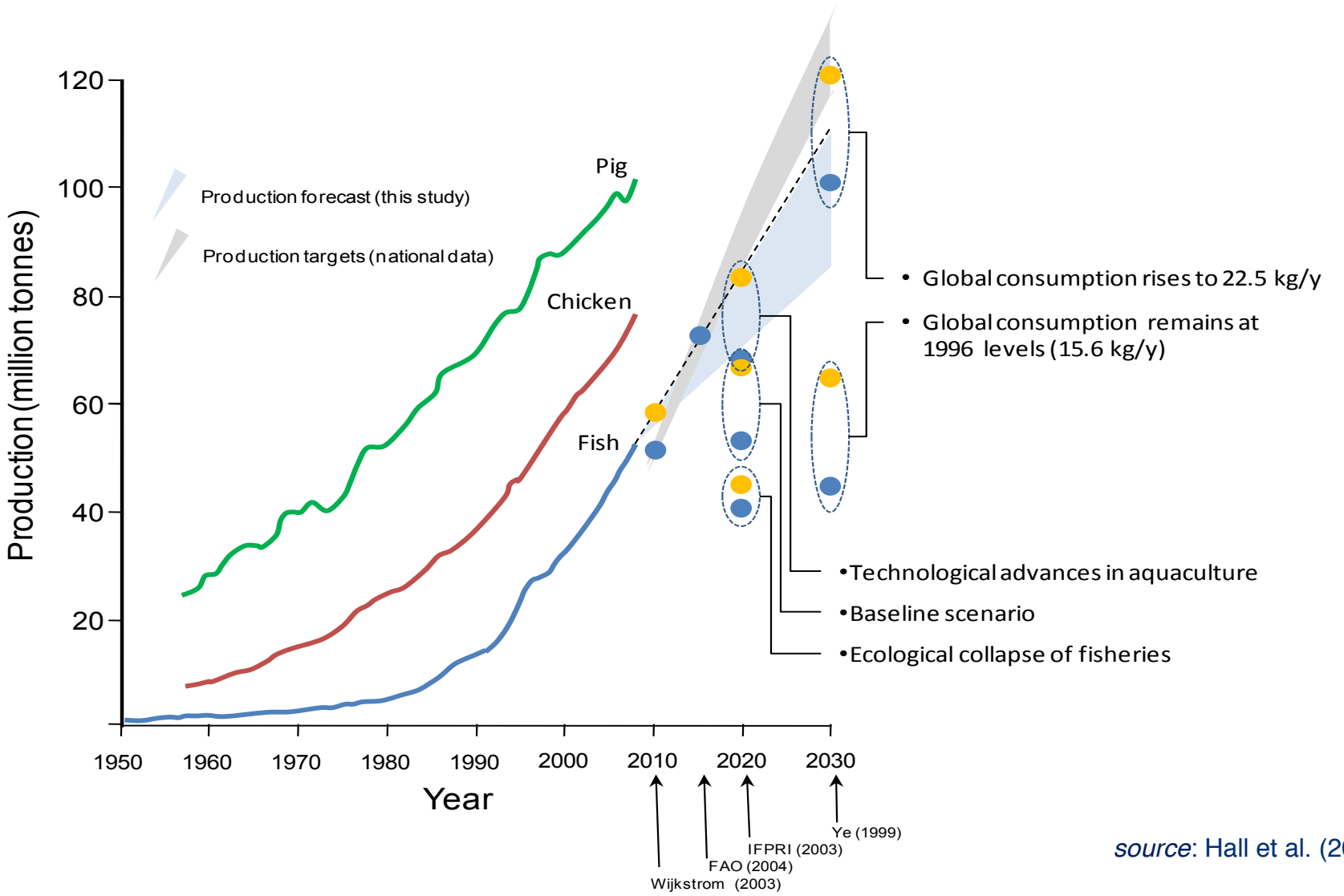
Outline

- Fish value chain
- Engagement with actors
- Important drivers
- Obstacles and actions


Wealth and population growth are major drivers for animal source food consumption, including fish

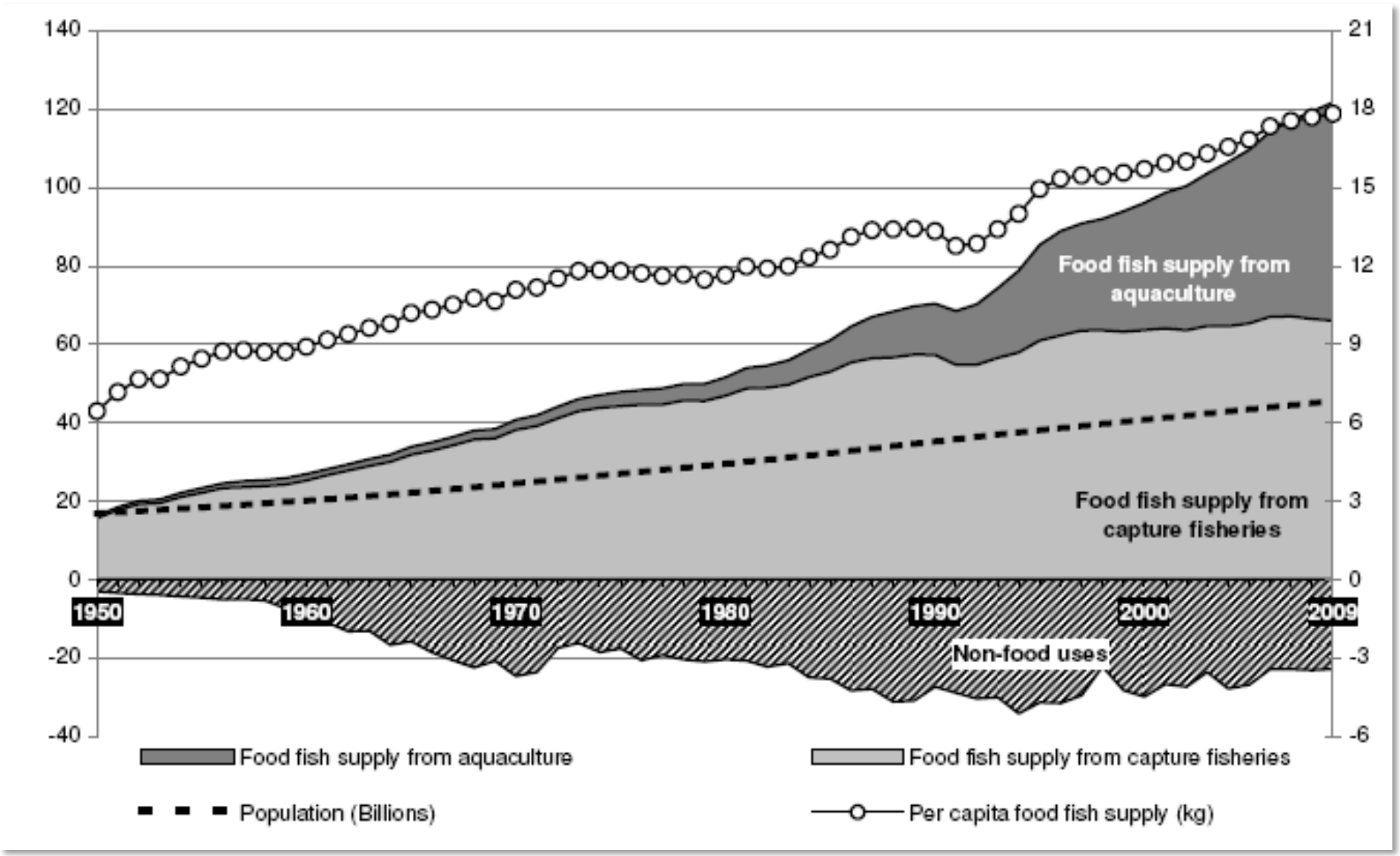
Fish demand is growing

.. along with other animal sources foods

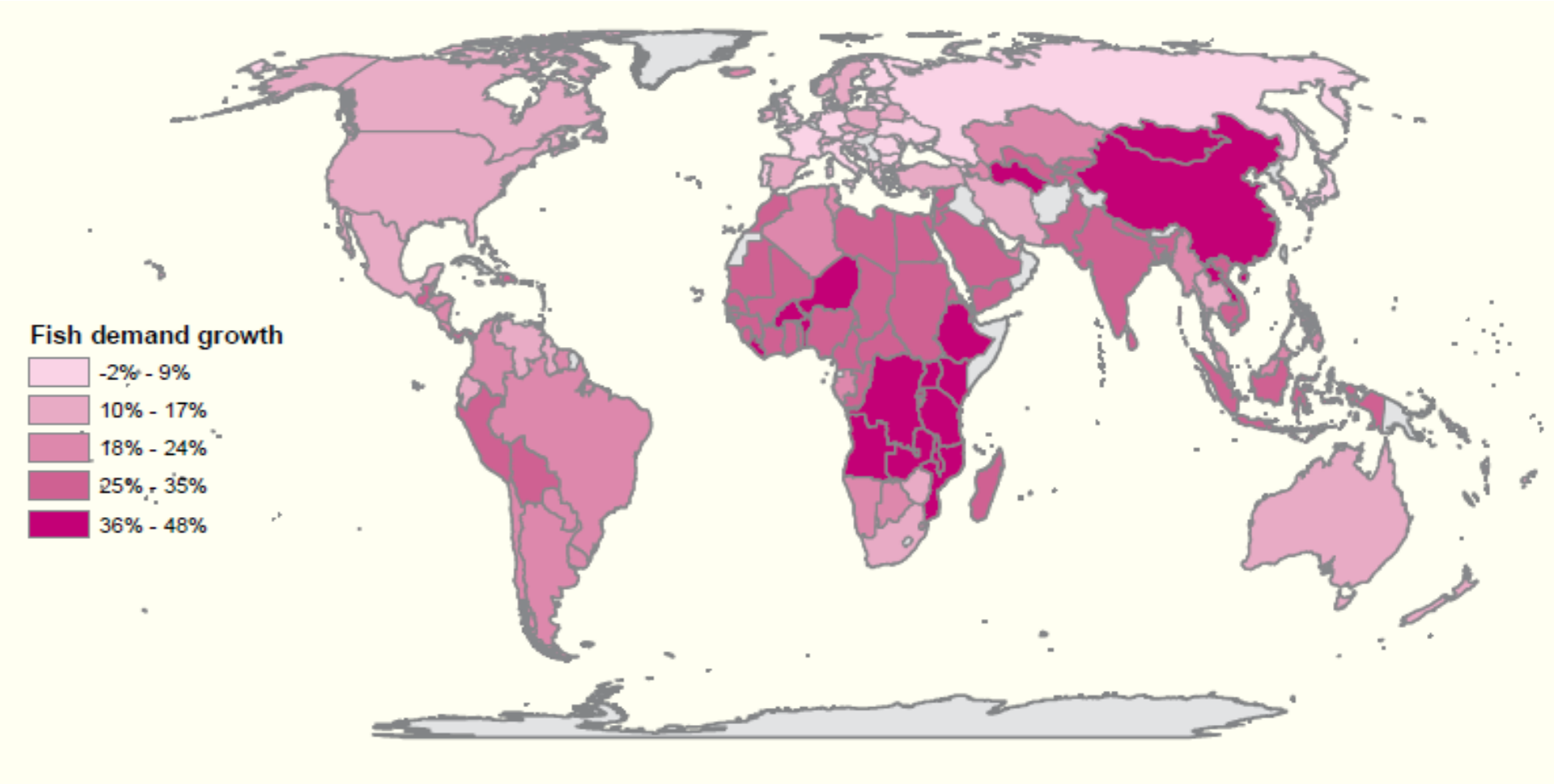


source: Hall et al. (2011)

Aquaculture is growing to meet demand



Future fish demand (2007-2015)



source: FAO - Cai (2011)

Growth in demand and need

Stunting in children < 5 yrs

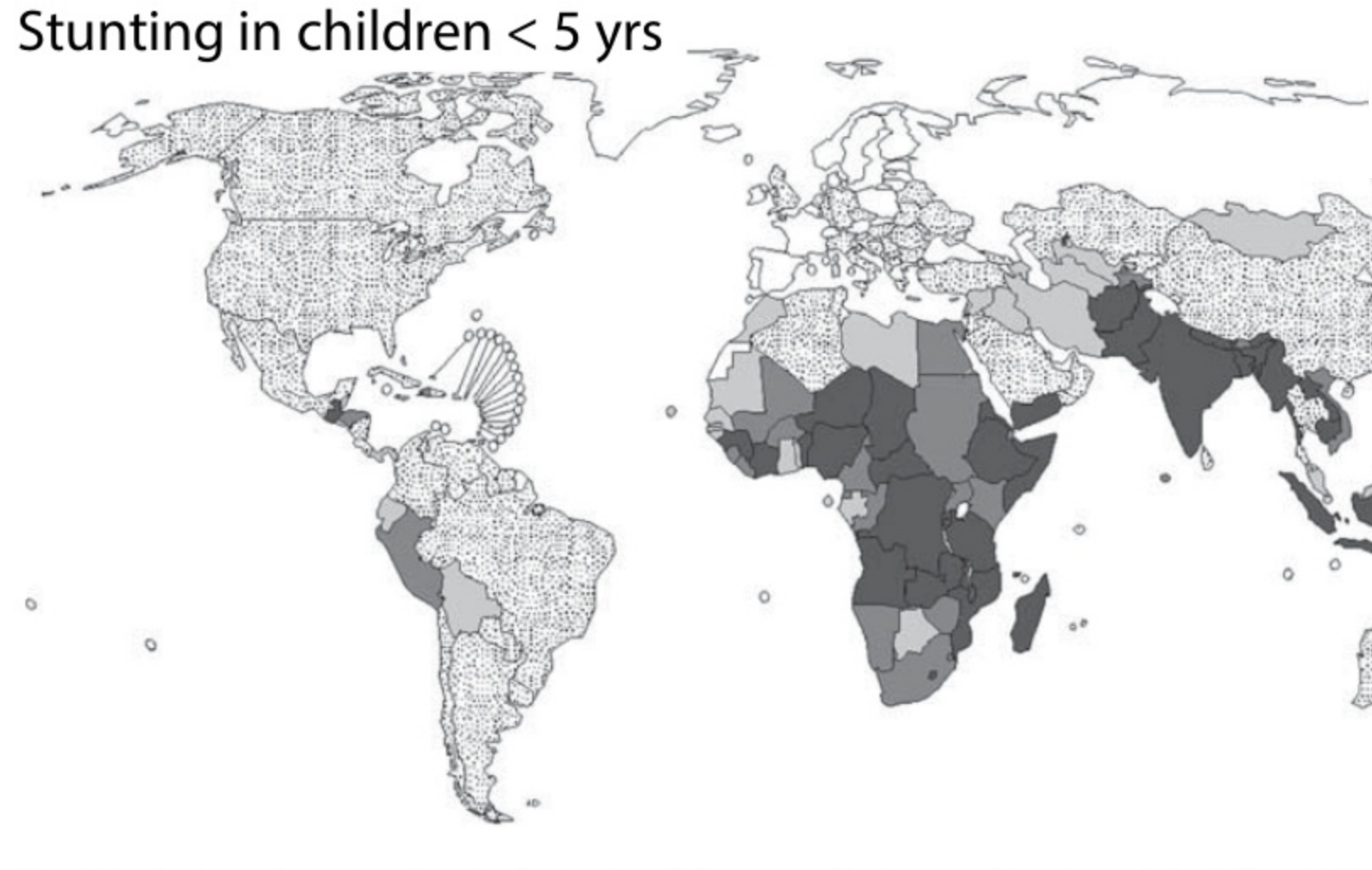
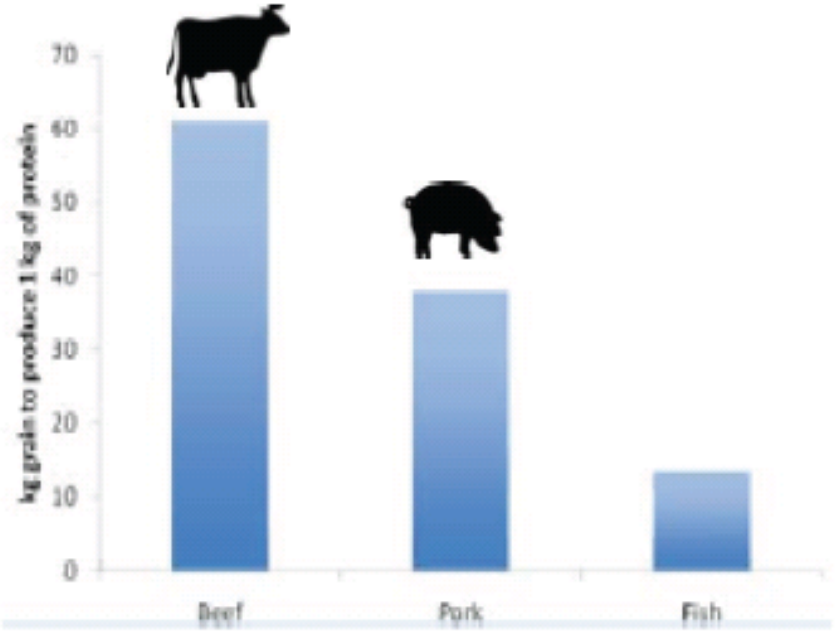


Fig. 2 Latest country estimates of stunting in children aged 0–5 years (□, no data; ▒, <20 %; ▓, 20–29·9 %; 30–39·9 %; ■, ≥40 %)

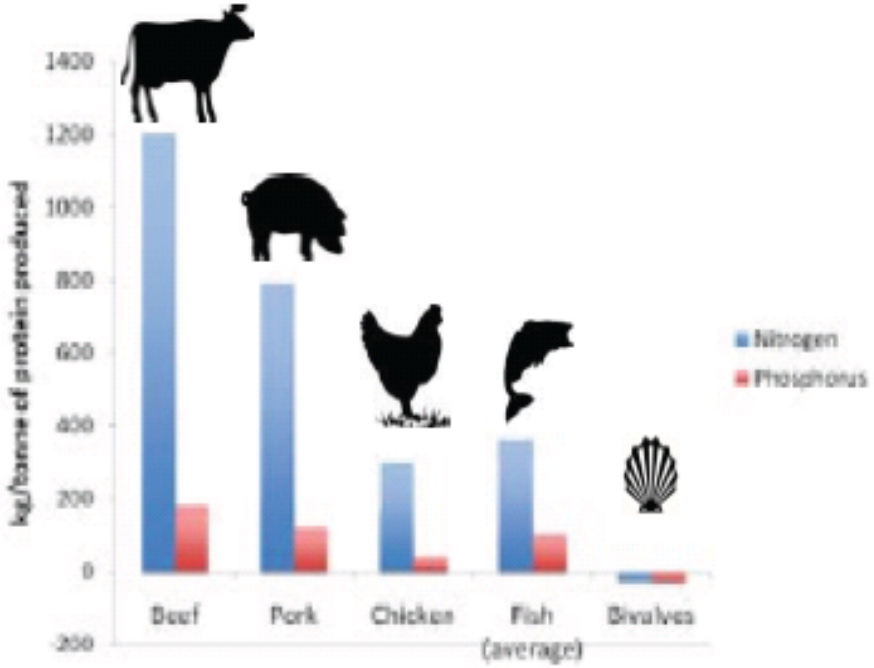
Small-scale, wild, fisheries will remain important for the poor, food and nutrition

Aquaculture growth is necessary to “feed the future”

Farmed fish compares well with other animal source foods

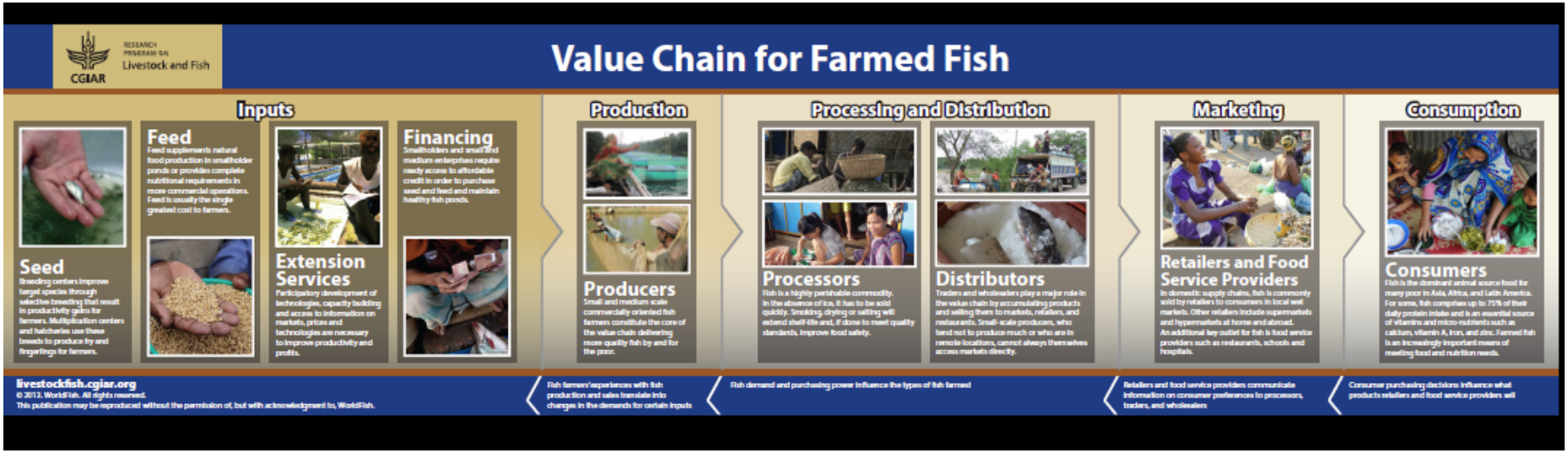


Conversion Efficiency

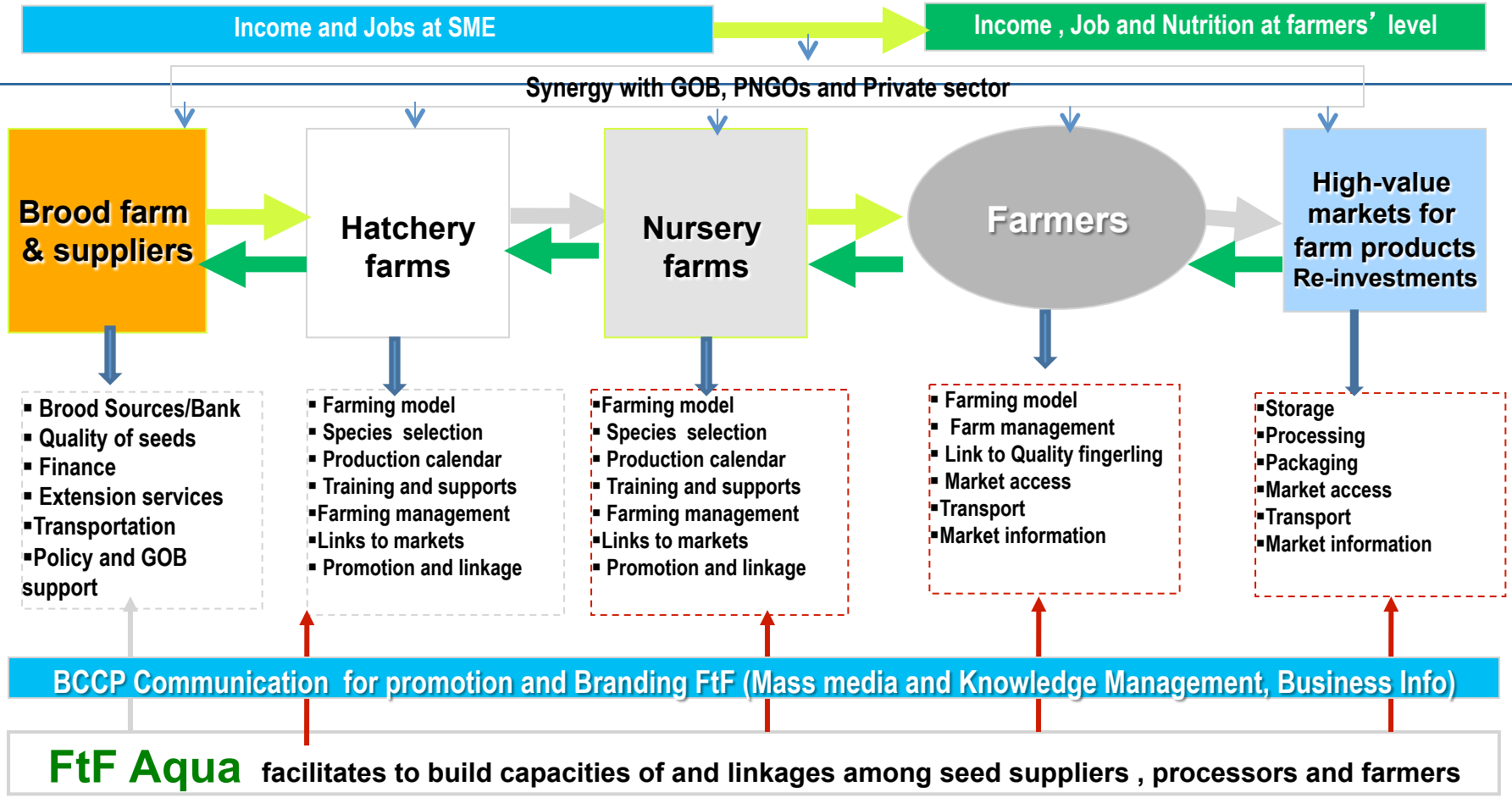


Emissions

Fish value chains



Bangladesh – Feed the Future Aquaculture



Enterprises and organizations that provide the goods, services, information, and credit required for smallholder production

Enterprises & organizations that provide the goods, services and information, required to move small farm production from field to consumer at economically rewarding prices

Household production unit that consumes inputs to cultivate crops for self-consumption and for sale to output markets

FtF – Aquaculture - WorldFish innovations in South West Bangladesh

Components	Objectives
1. Fish and shrimp seed	Dissemination of improved quality lines of fish and shrimp seed
2. Household aquaculture	Improving the nutrition and income status of farm households
3. Commercial aquaculture	Increasing investment, employment and fish production through commercial aquaculture
4. Institution and policy	Support to regulatory reform and institutional capacity building for sustainable aquaculture growth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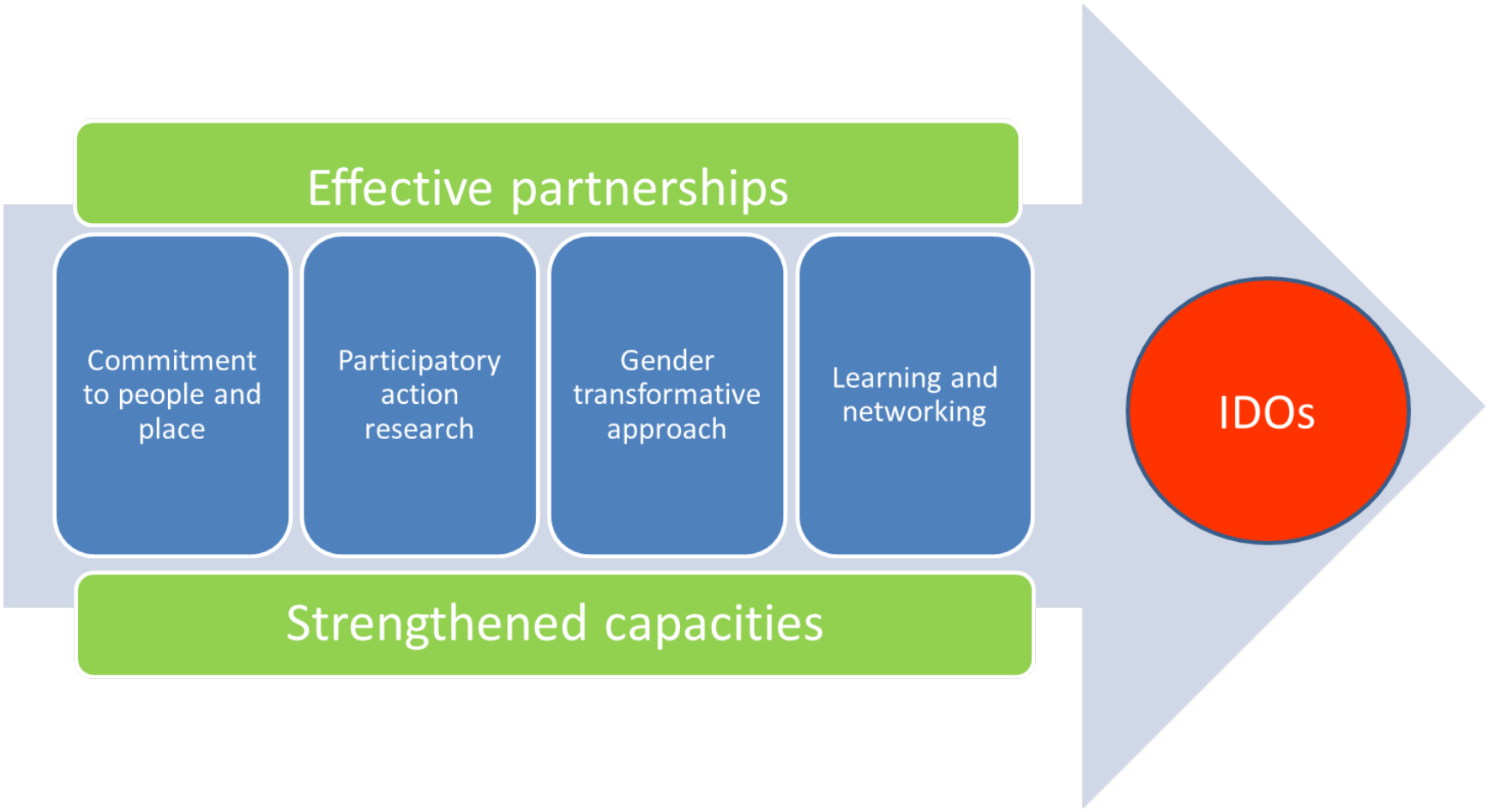
The AAS Approach: Programmatic Theory of Change



Engaging with development partners essential to success and scaling

Save the Children:
ACDI/VOCA:
SPRING:
HKI:
BSFF: Association
Private sector:
Hatcheries, traders, feed companies, farmers
Public sector:

Important drivers

- Markets and demand in Bangladesh
- Community demand
- Income generation
- Technology options
- Farmer motivation (and “ownership”)
- Funding

The spaces…

- Policies
- Finance
- Environment
- People and innovation
- Organizations

- RinD Process and Partnerships

Obstacles and actions for coordinated value chain development (and scaling)

- Organizations
  - “team”>sustainable organizations
- Small holders/equity
- Business models
- Whole “package” approach
- Pro-poor (urban) markets
- Learning and networks
- Partnerships

Thankyou

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WorldFish and CGIAR Research Program on Aquatic Agricultural Systems (AAS)