



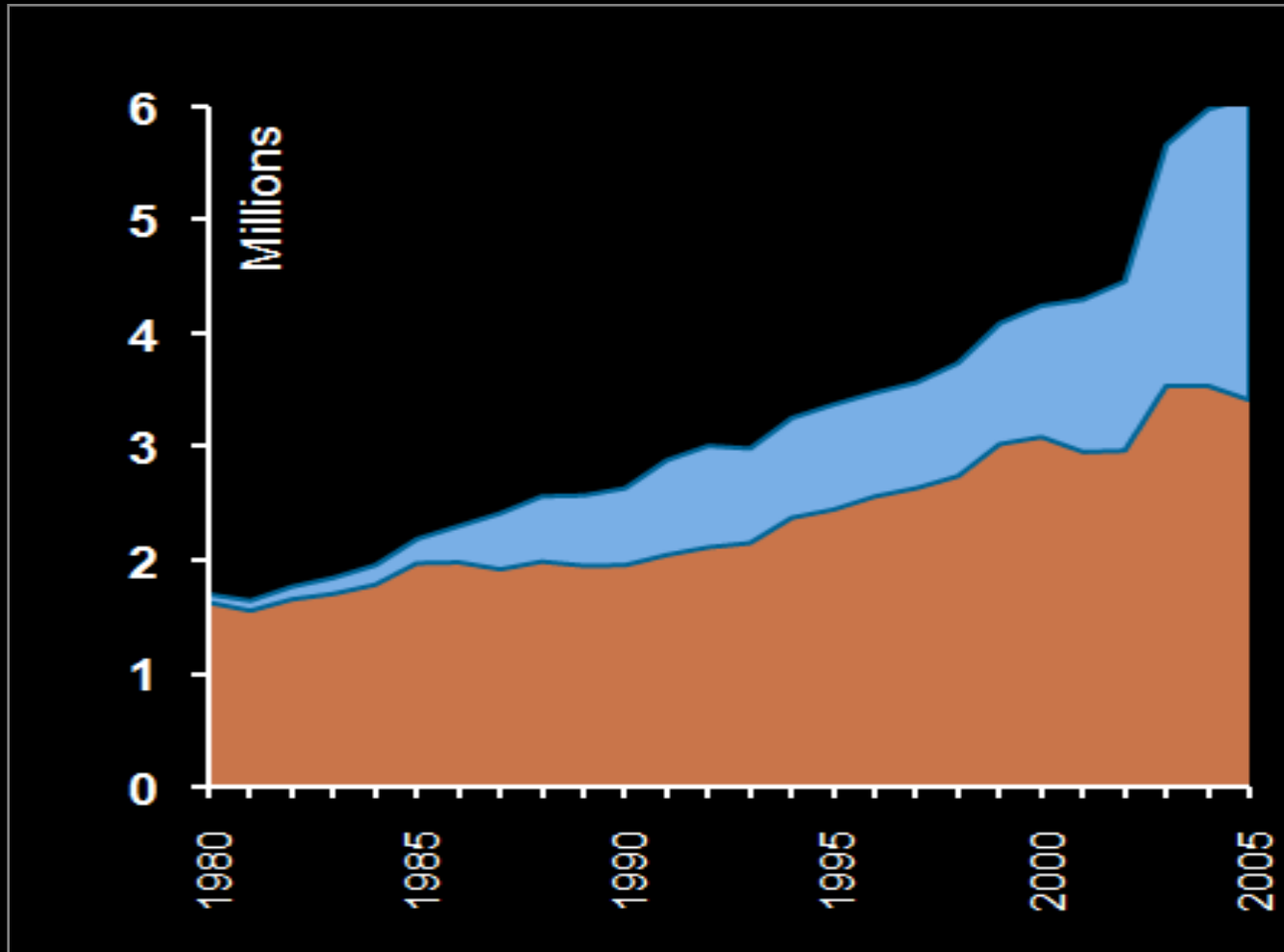
Shrimp Aquaculture Dialogue

Eric Bernard
Aquaculture specialist
World Wildlife Fund





Production of farmed shrimp is on the rise



 Aquaculture

 Capture



Discussions on shrimp farming began in 1990s

- 1999-2006: Shrimp Farming and Environment Consortium (WWF FAO, World Bank, NACA and UNEP)
 - 40 case studies by 120 researchers
 - 140 meetings with a total of 8,000 people
- Outcomes: Impacts and “International Principles for Responsible Shrimp Farming”



Consortium identified the key impacts

- Conversion of natural ecosystems, particularly mangroves
- Salt water seeping into groundwater and onto farmland
- Depletion of pelagic fish for shrimp feed
- Pollution of coastal waters due to pond effluents
- Biodiversity issues arising from collection of wild brood and seed
- Outbreak of diseases
- Social conflicts





Consortium identified the principles

- Principle 1: Farm siting
- Principle 2: Design and construction
- Principle 3: Water use
- Principle 4: Broodstock and post larvae
- Principle 5: Feed management
- Principle 6: Health management
- Principle 7: Food safety
- Principle 8: Social responsibility





Next step: Shrimp Aquaculture Dialogue

- Build consensus on criteria and indicators
- Develop performance-based standards
- Give standards to an independent standards-holding body





Diverse group of stakeholders involved in Dialogue

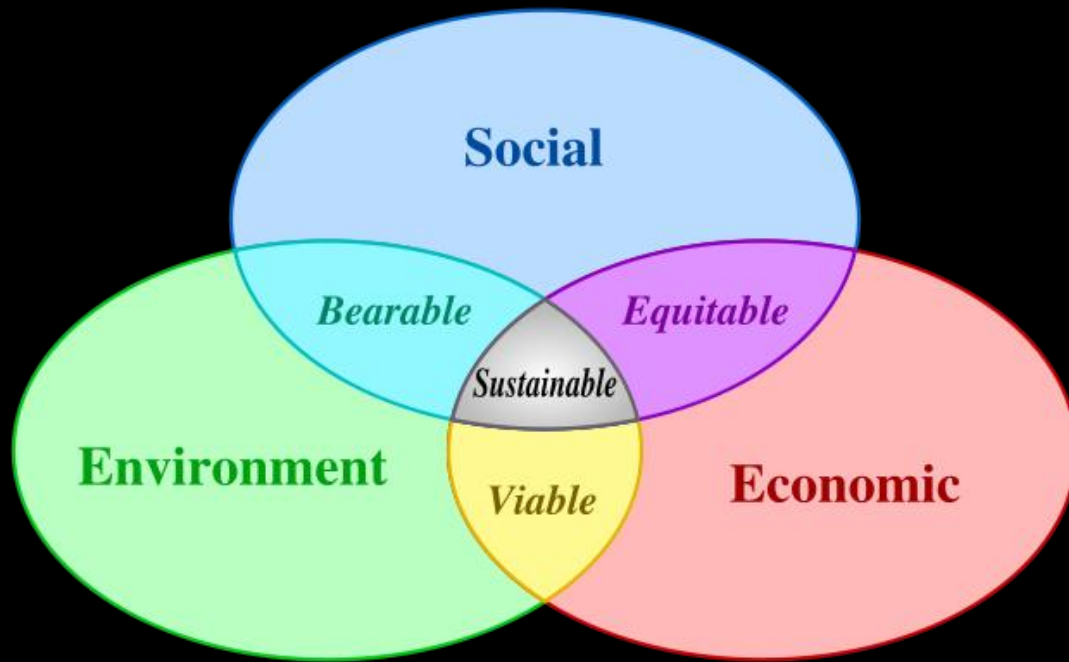
- 200 stakeholders
- 150 entities
- 20 countries

And more each day...





Participant diversity ensures the three pillars of sustainable development are considered

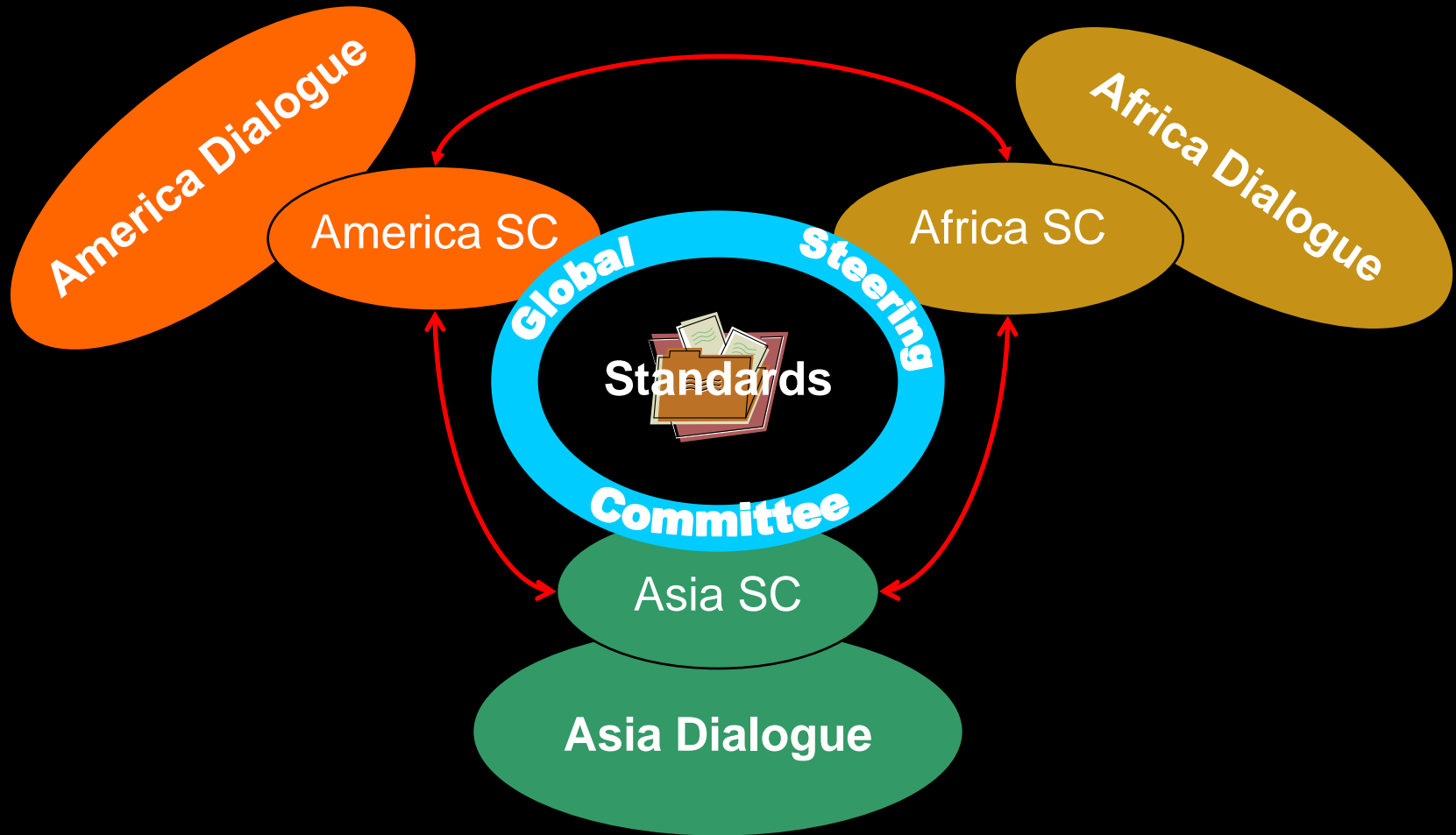


- Investment/cost to reach the level of certification
- Certification cost (length)
- A balance between the environmental and social pillars





Regional dialogues  global standard





Shrimp Dialogue is transparent

Find everything you need on the Dialogue website

- Presentations
- Breakout session results
- Steering Committee reports
- Minutes
- List of Steering Committee members





People are talking about the Dialogue

“We view, with much excitement, the interest in a certification program in Belize. Our farmers understand that the industry’s farming practices must be sustainable. We are committed to adopting practices to sustain what has become a livelihood to several thousand workers and their families.”

Alvin Henderson

Royal Mayan Shrimp Farm in Belize





People are talking about the Dialogue

“We need to transform the market so that customers and retailers recognize the value of sustainability. I am confident the Shrimp Aquaculture Dialogue process will help us do so.”

*Bertrand Coûteaux
Groupe UNIMA, Madagascar*





Thank you

www.worldwildlife.org/shrimpdialogues

ebernard@wwf.fr

