



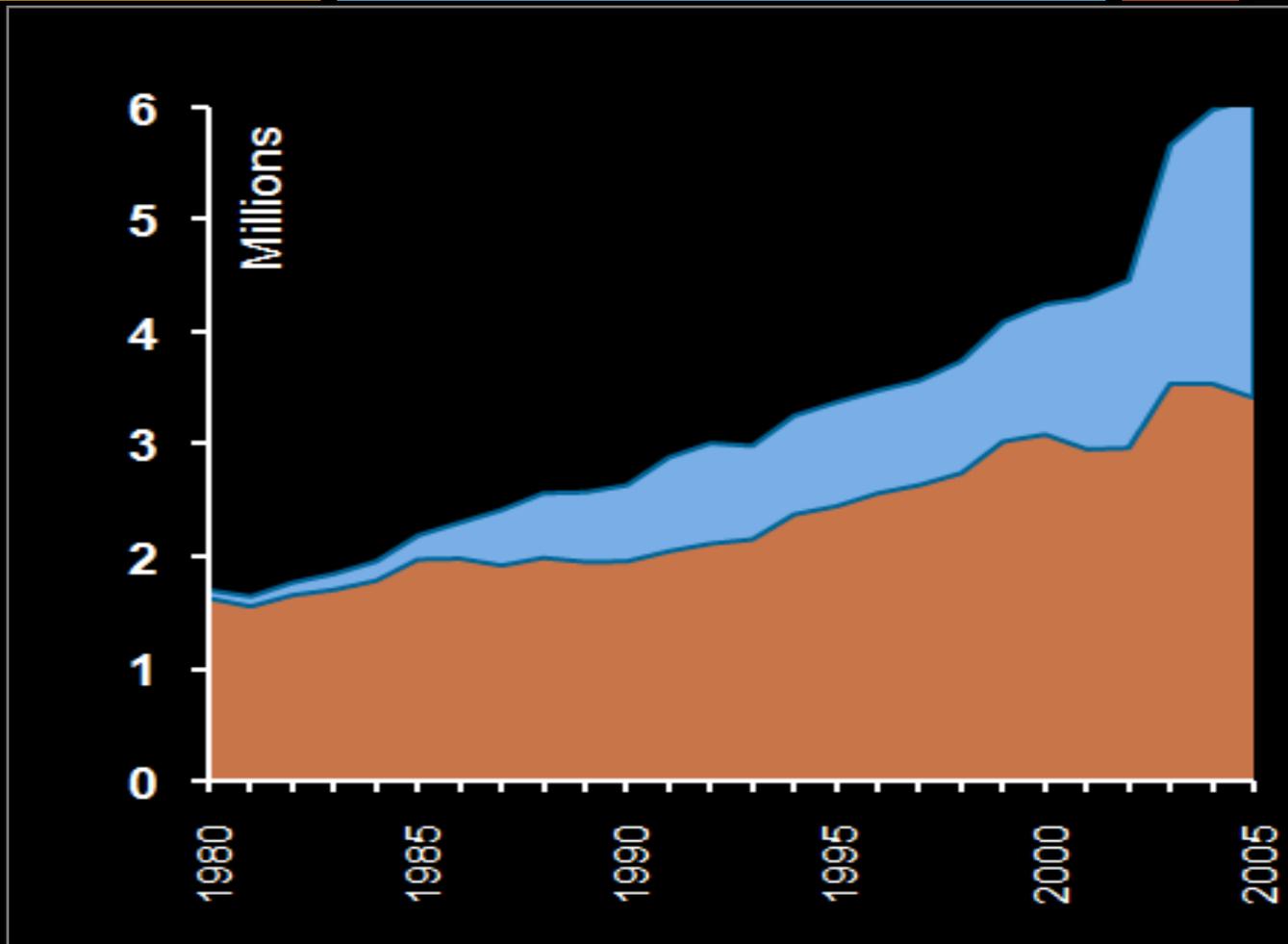
# Shrimp Aquaculture Dialogue

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

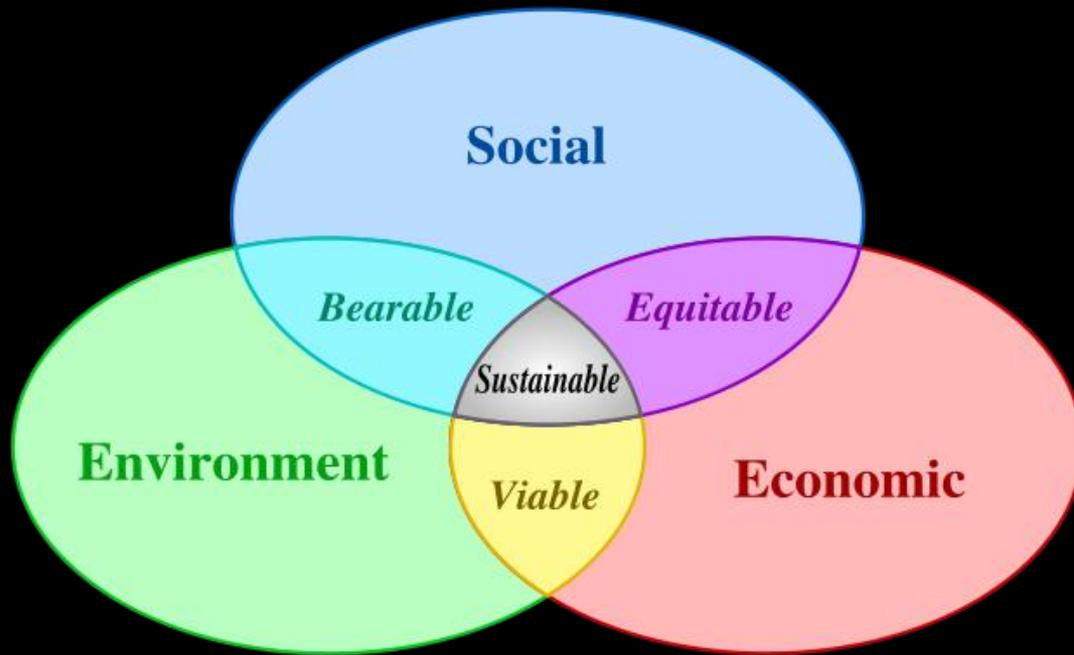
- 200 stakeholders
- 150 entities
- 20 countries

And more each day...





# Participant diversity ensures the three pillars of sustainable development are considered

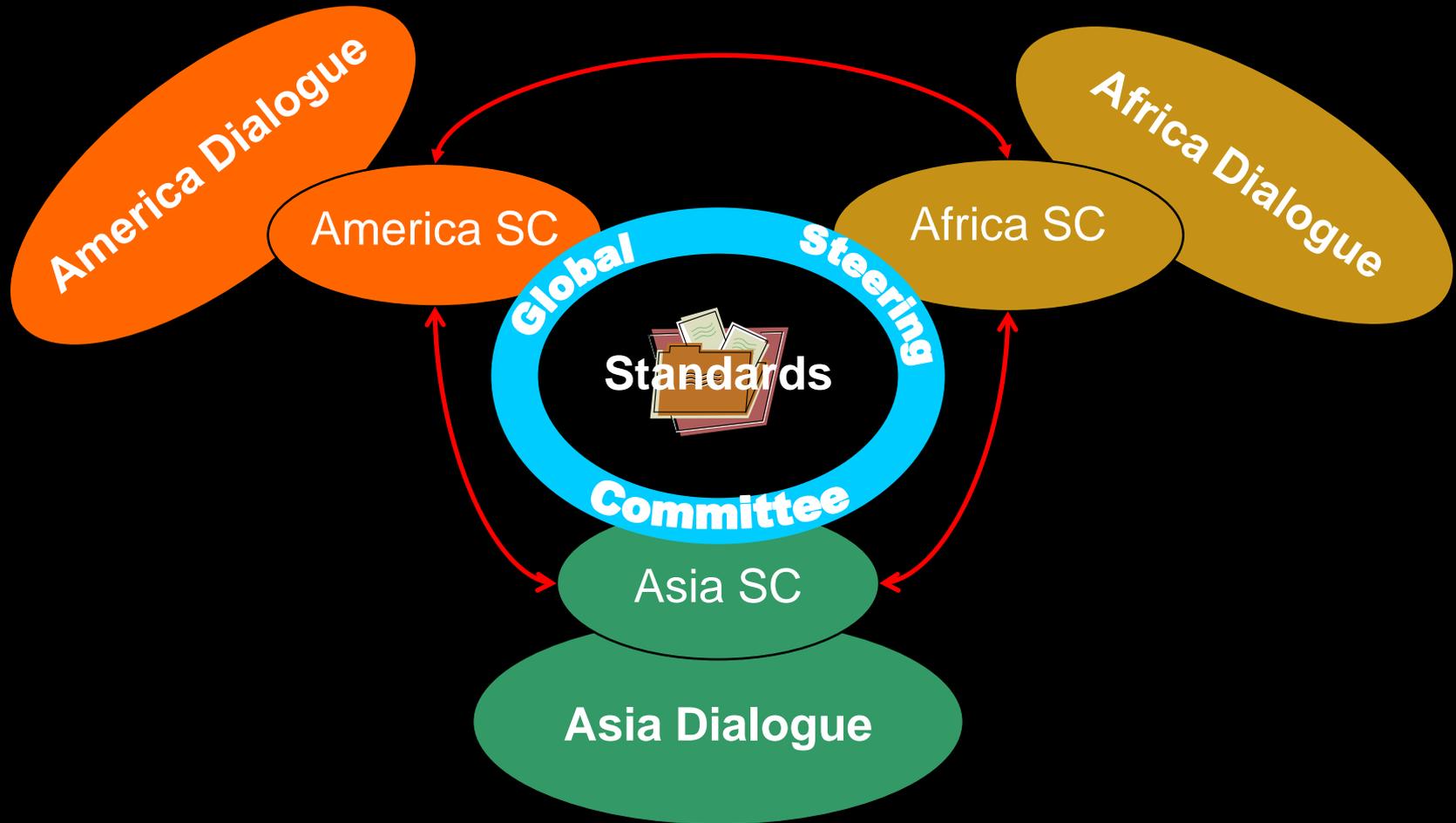


- Investment/cost to reach the level of certification
- Certification cost (length)
- A balance between the environmental and social pillars





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](http://www.worldwildlife.org/shrimpdialogues)

ebernard@wwf.fr

