



HOKKAIDO UNIVERSITY

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International Symposium on “Sustainability Science on Seafood and Ocean Ecosystem Conservation”

Panel Discussion

Coordinator

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Panelists

- **Chunhong Yuan**

Assistant Professor, Faculty of Fisheries Sciences, Hokkaido University, Japan

- **Rizalita Rosalejos-Edpalina**

JSPS-UNU Postdoctoral Fellow,
United Nations University Institute of Advanced Studies (UNU-IAS),
Operating Unit Kanazawa/Ishikawa, Japan

- **I Nyoman Radiarta**

Post Doctoral Research Scientist, Faculty of Fisheries Sciences, Hokkaido University, Japan

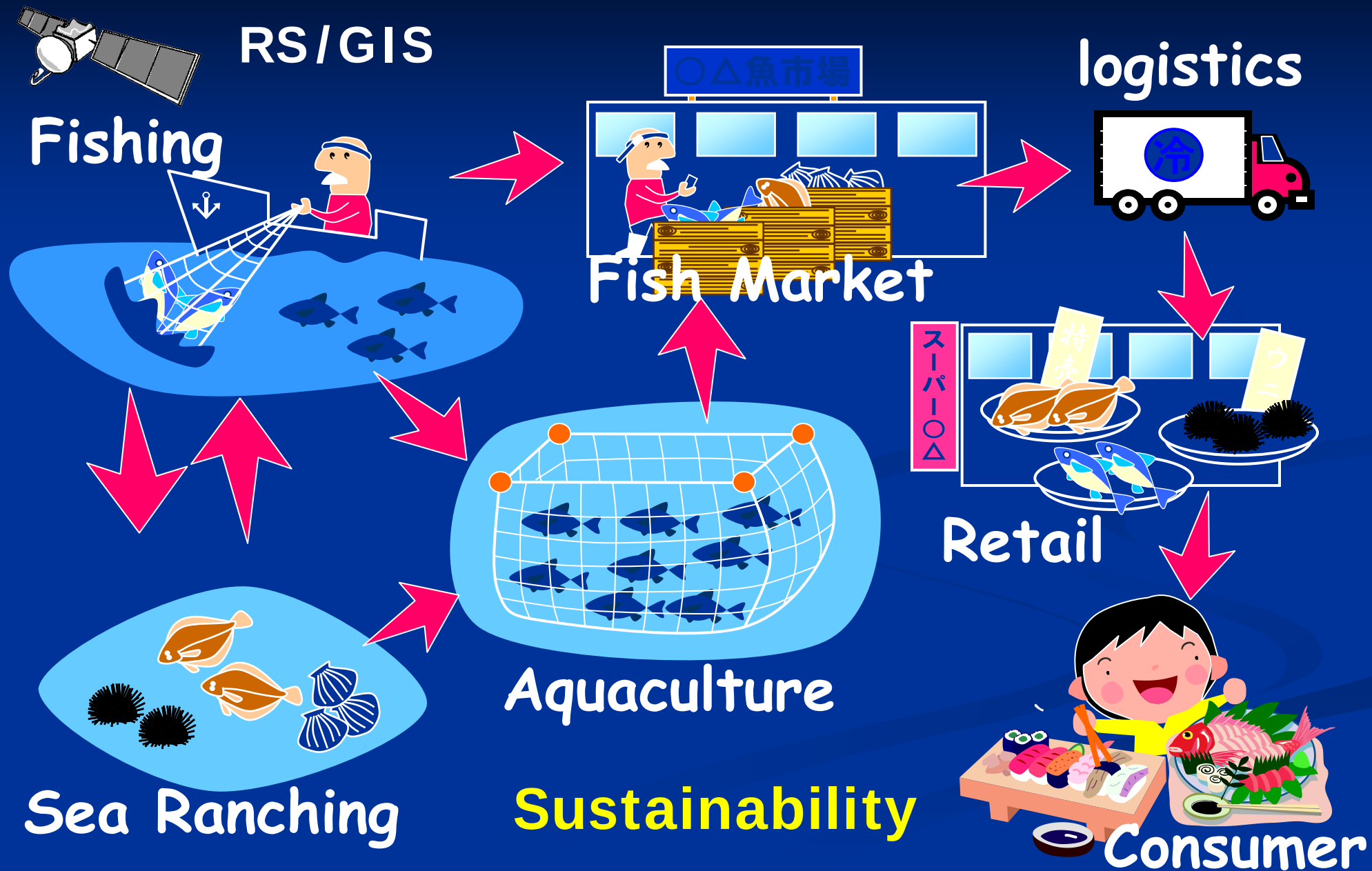
- **Gakushi Ishimura**

Assistant Professor
Center for Sustainable Science, Hokkaido University, Japan

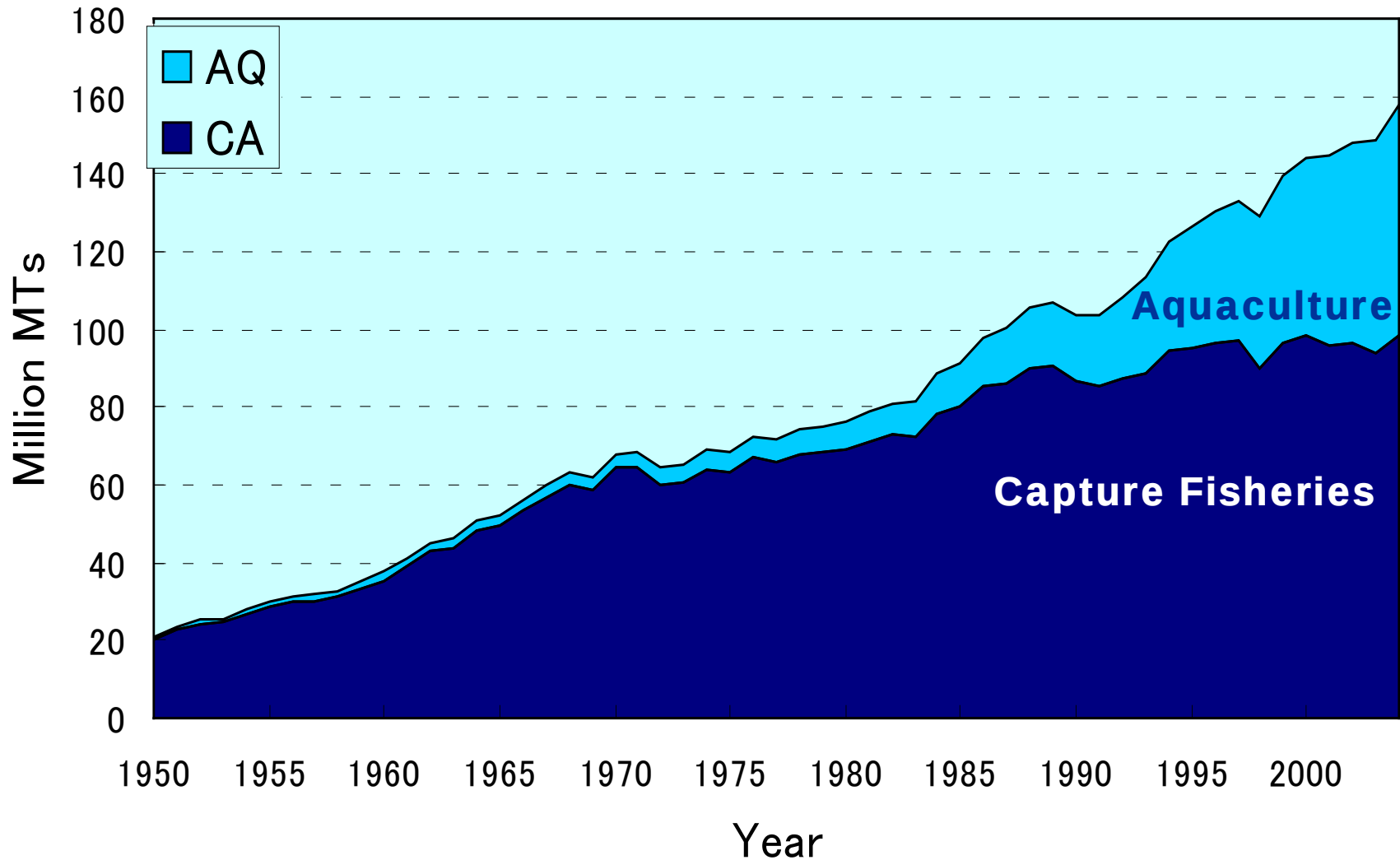
- **John Bower**

Associate Professor
Faculty of Fisheries Sciences, Hokkaido University, Japan

Fisheries as Social Systems



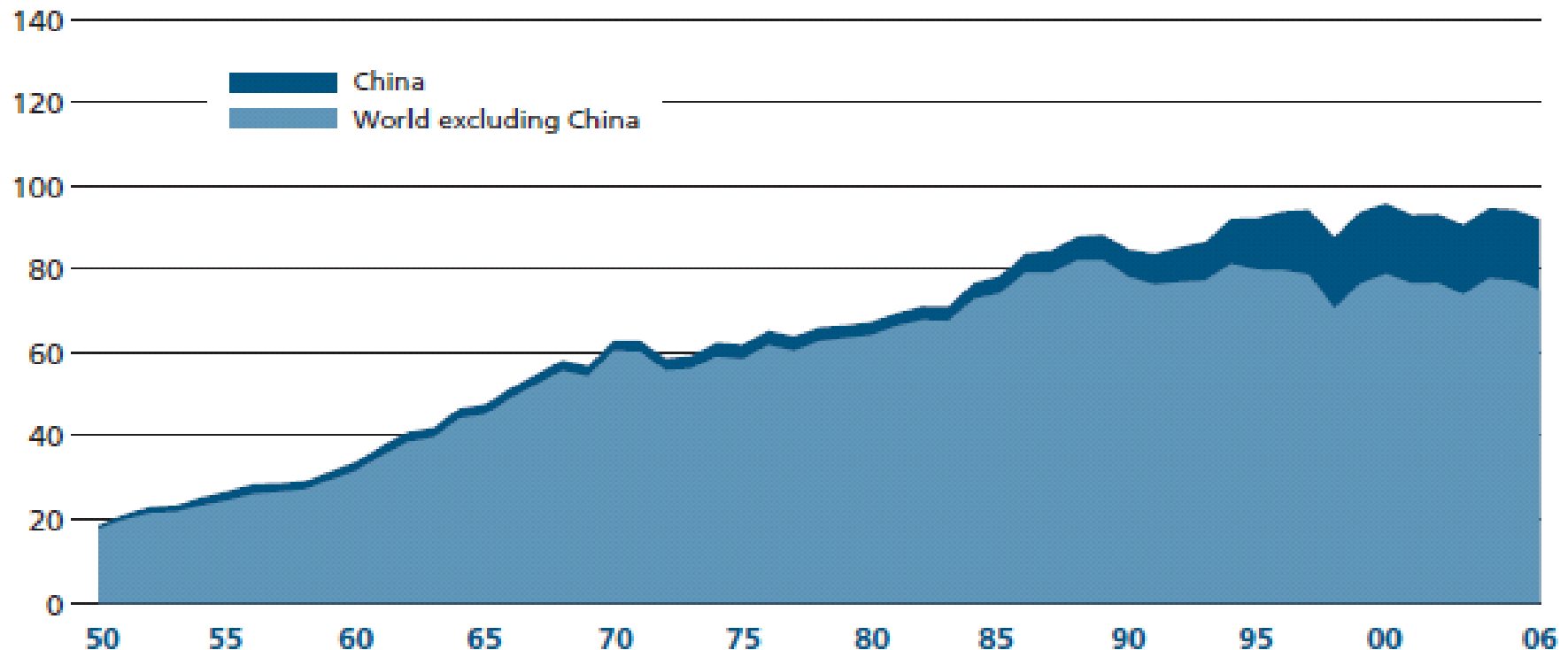
Limited capture fisheries?



State of World Fisheries and Aquaculture

World capture fisheries production

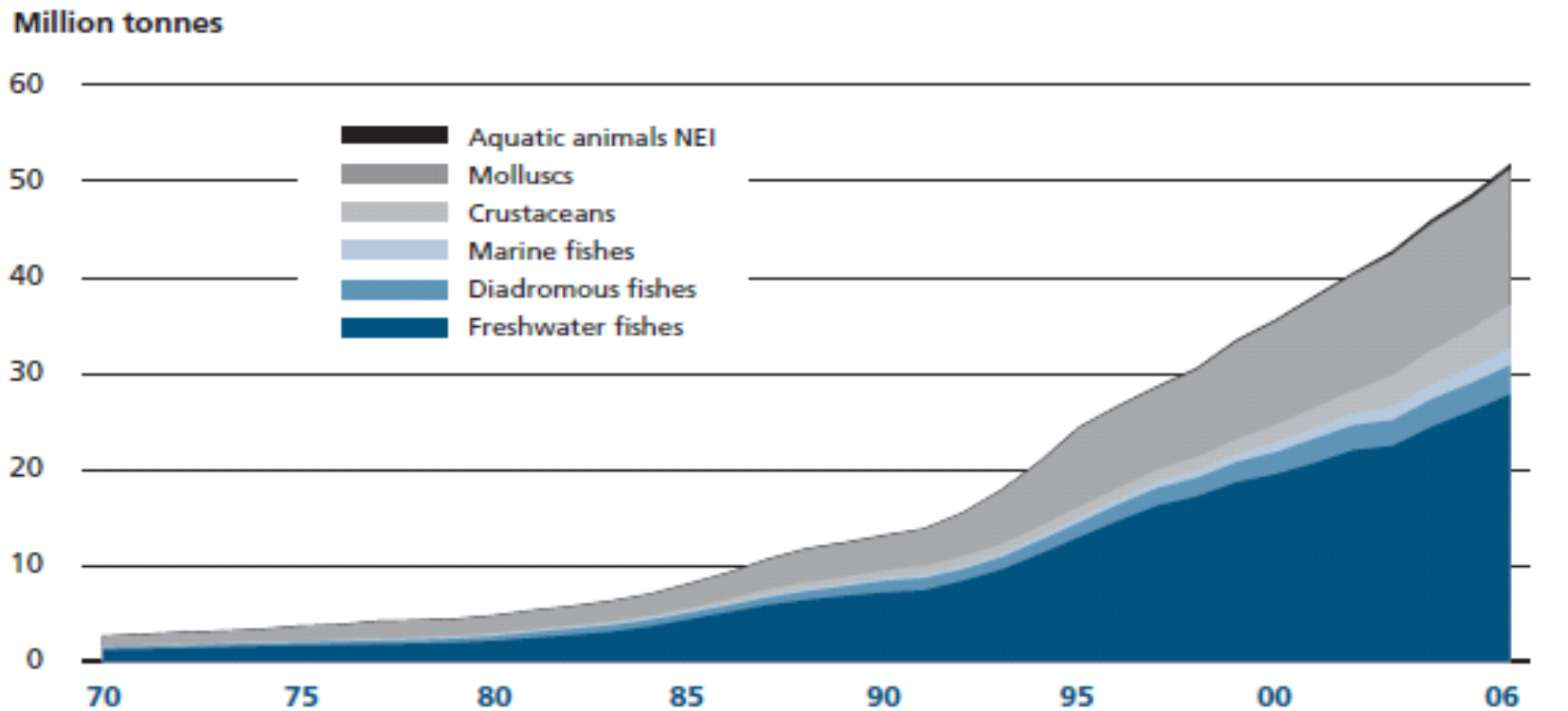
Million tonnes



(FAO, 2009)

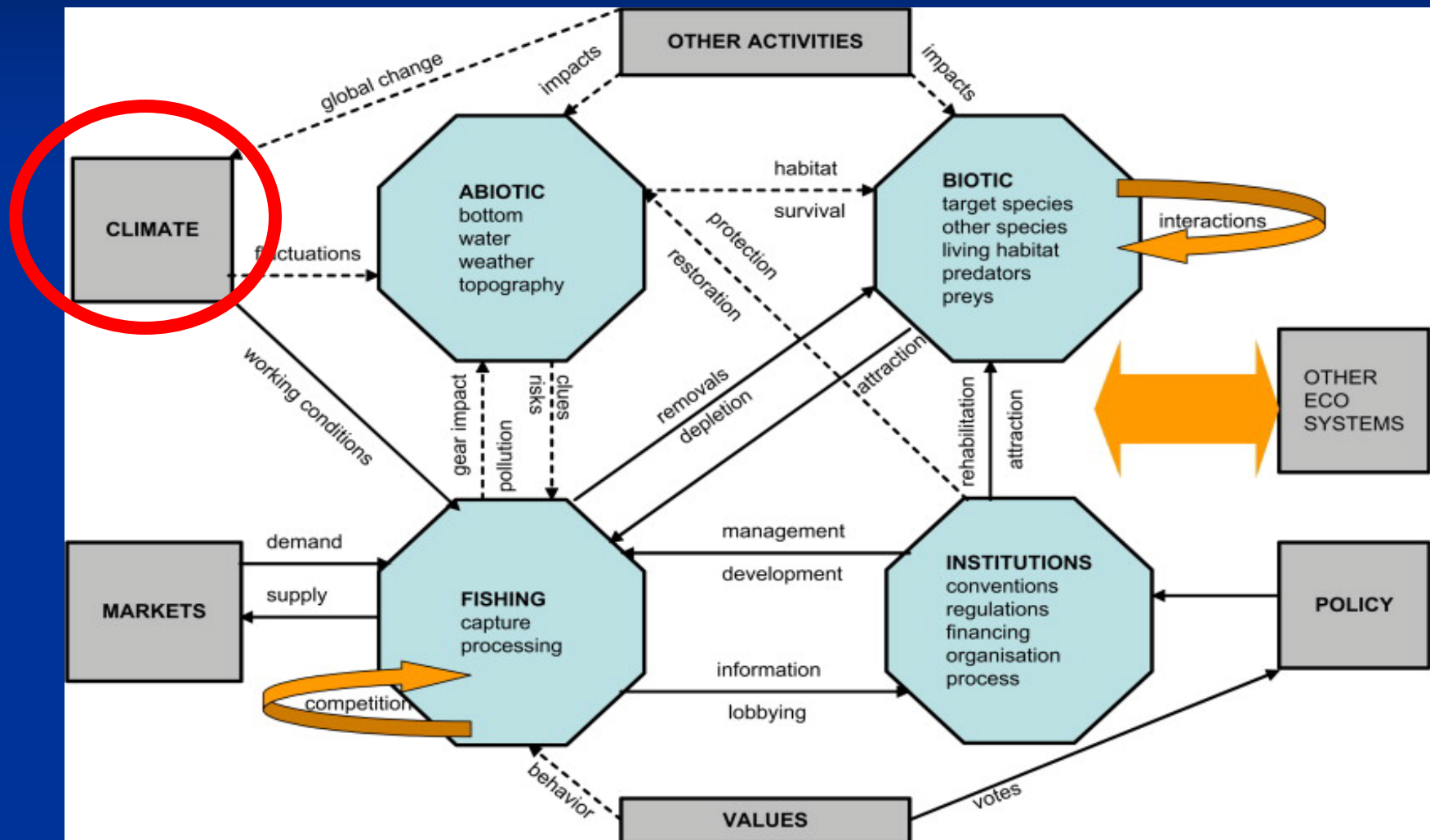
State of World Fisheries and Aquaculture

Trends in world aquaculture production: major species groups



Note: NEI = not elsewhere included.

Ecosystem-based approach to fisheries management



(Garcia et al., 2003: FAO Fisheries technical paper, No. 443)

Short Presentation

- **Chunhong Yuan**

*“Culture and Processing of Silver Carp, a Plankton Feeder Fish
-- for Sustainable Development of Freshwater Fisheries in China”*

- **Rizalita Rosalejos-Edpalina**

*“Management Options to Mitigate Environmental Impact of Aquaculture in the
Philippines”*

- **I Nyoman Radiarta**

“Spatial Information Systems Approach toward Sustainable Aquaculture”

- **Gakushi Ishimura**

*“Sustainable Management of a Transboundary Fishery Resource under Climate
Variability: Desperate Fishing Games of Pacific Sardine Resource”*

- **John Bower**

“What I learned during my one-year sabbatical at USAID”