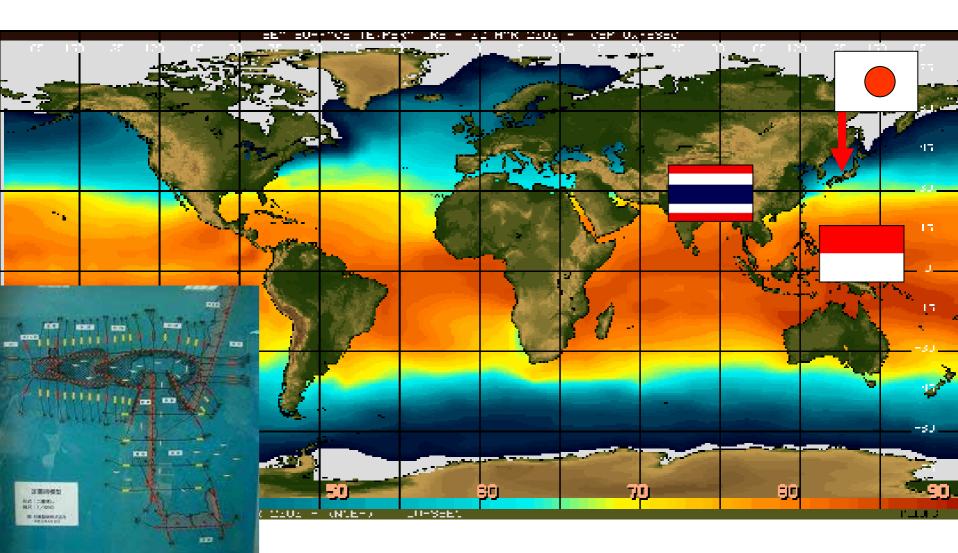
Technology Transfer of community-based Set-net (Teichi-ami) from Japan, to Southeast Asia

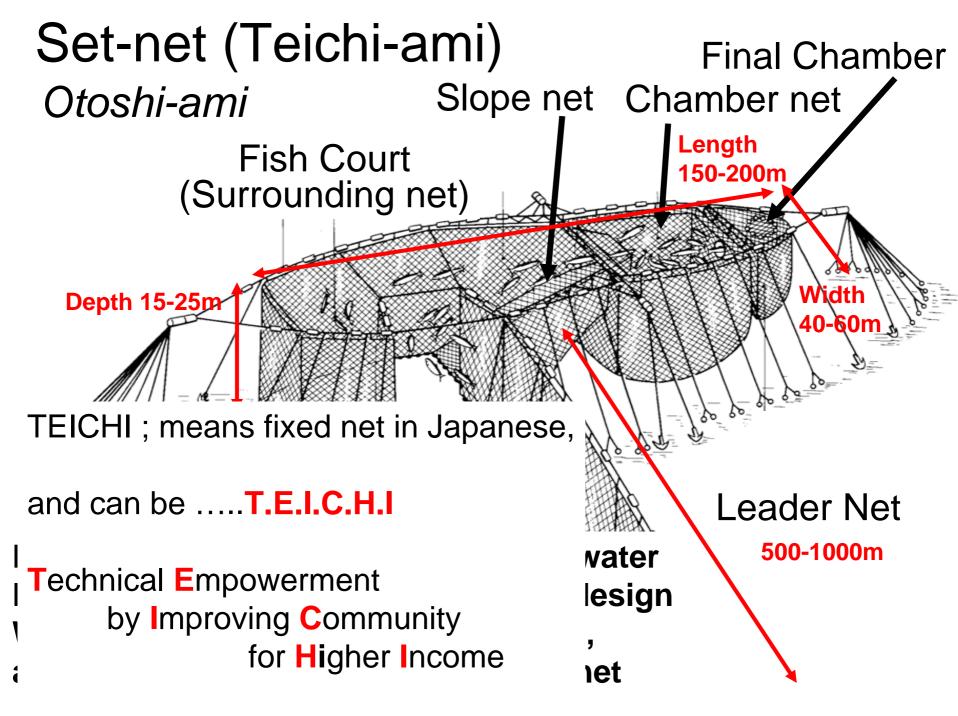


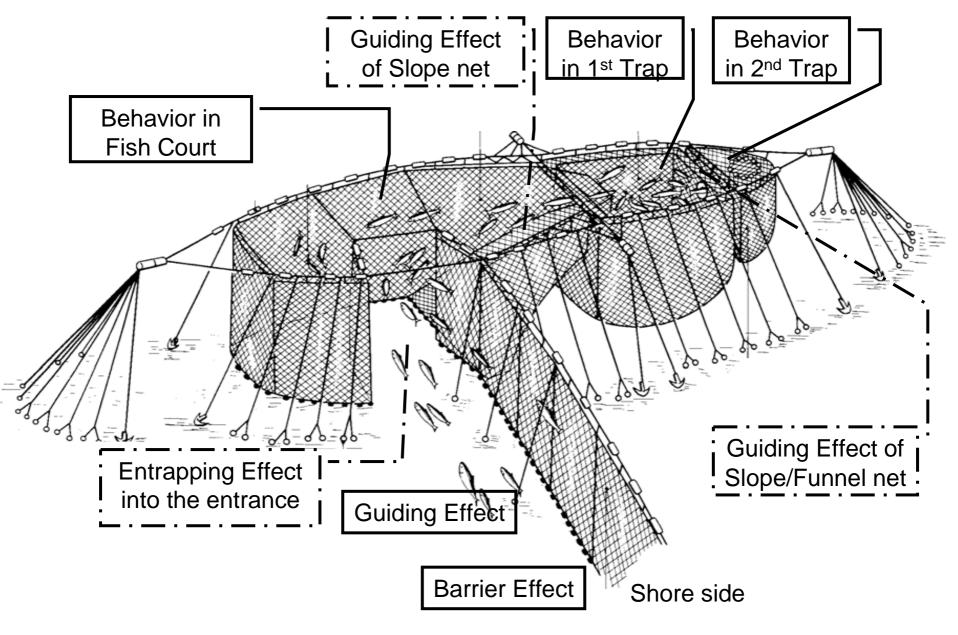
Empowerment of Coastal Fishing Community in Southeast Asia, through Technology Transfer of Community-based Set-net for Sustainable Fisheries



Set-net of the community, by the community, and for the community

T.Arimoto (Tokyo Univ.of Marine Sci.&Tech) in collaboration with Himi City, IC Net, SEAFDEC/TD and UNHAS, SUPM Neg.Bone





Fish behavior around and inside of Set –net







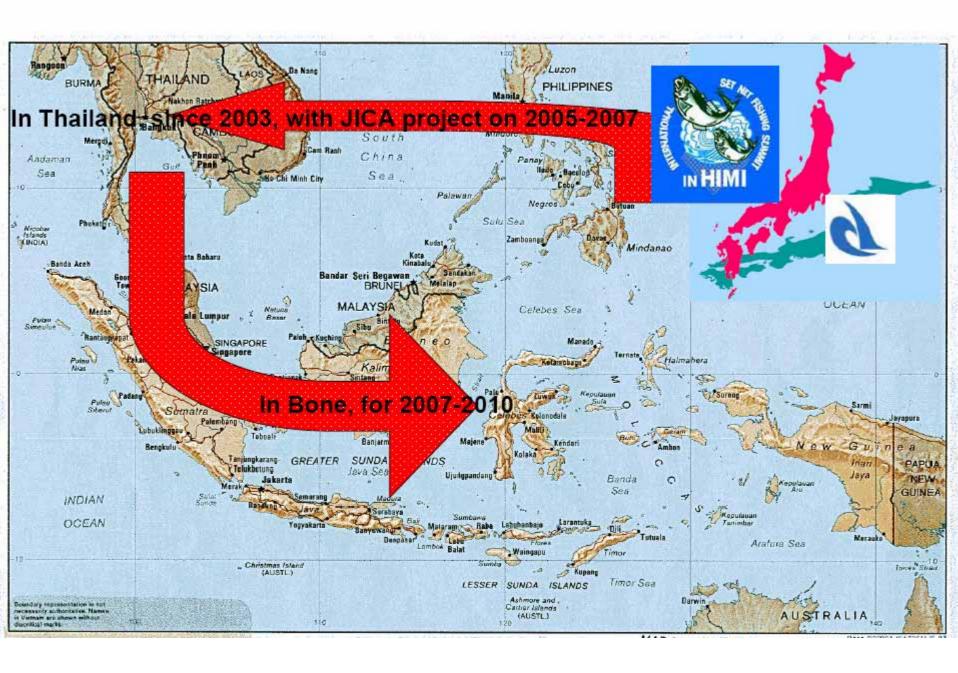
World Set-net Summit in Himi City, on Nov.2002









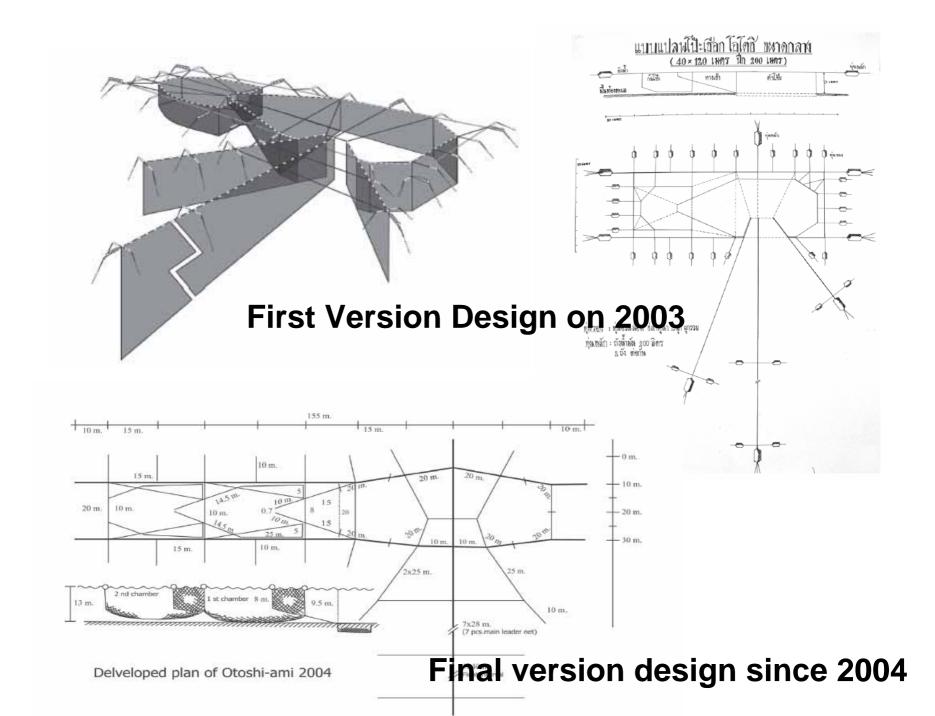


Process of Technology Transfer in Thailand

- 2002 Nov. World Set-net Summit in Himi City
- 2003 April SEAFDEC Project started
- 2004 Sep First Technical Support from Himi City
 &TUMSAT for Gear Installation
- 2005 JICA Grass-root Project (2005 2007)
- 2005 April Training Course in Himi City
 - Sep. Gear Installation, Dec. JSPS Seminar
- 2006 April Training Course in Himi City
 - Sep. Gear Installation
 - Oct. International Seminar,
 - Dec. 2nd Unit installation
- 2007 April Training Course in Himi City
 - Sep. Gear Installation
 - Dec. Evaluation Seminar



First visit by Thailand and Indonesia





Training on Frame-work



Training on net panel construction







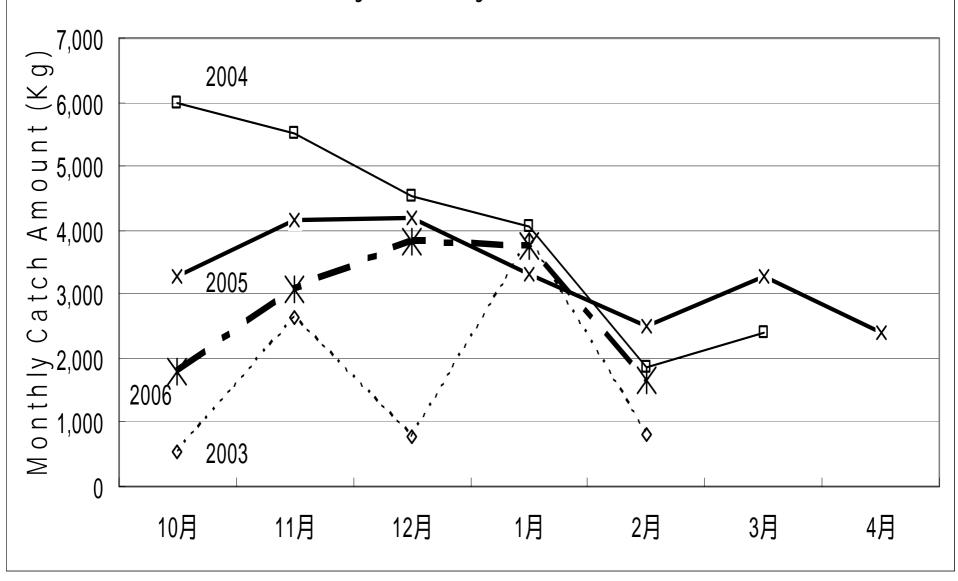


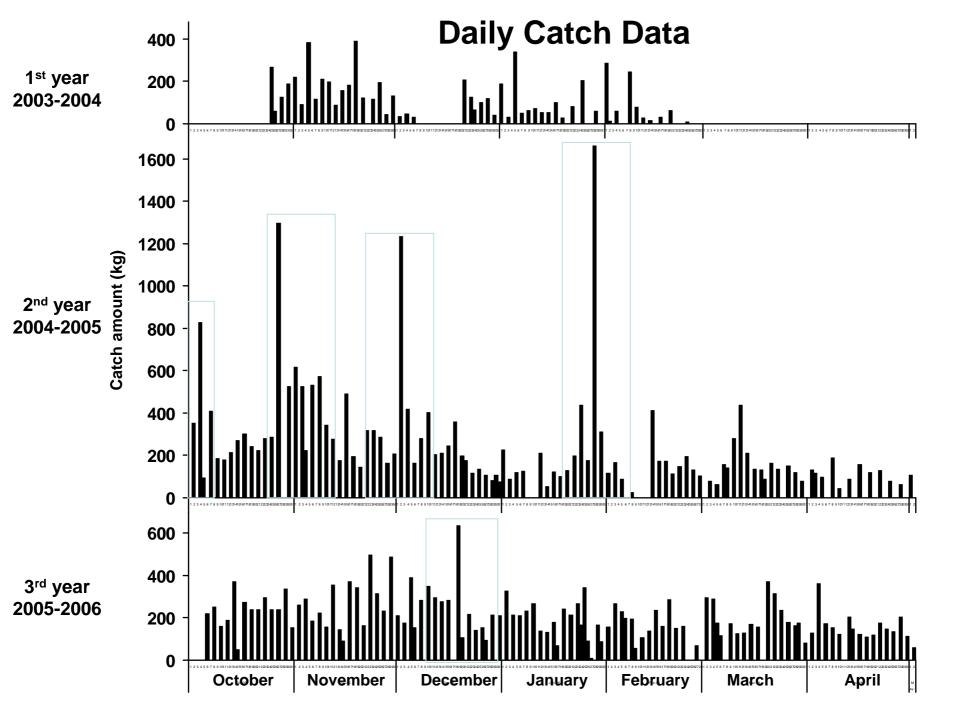


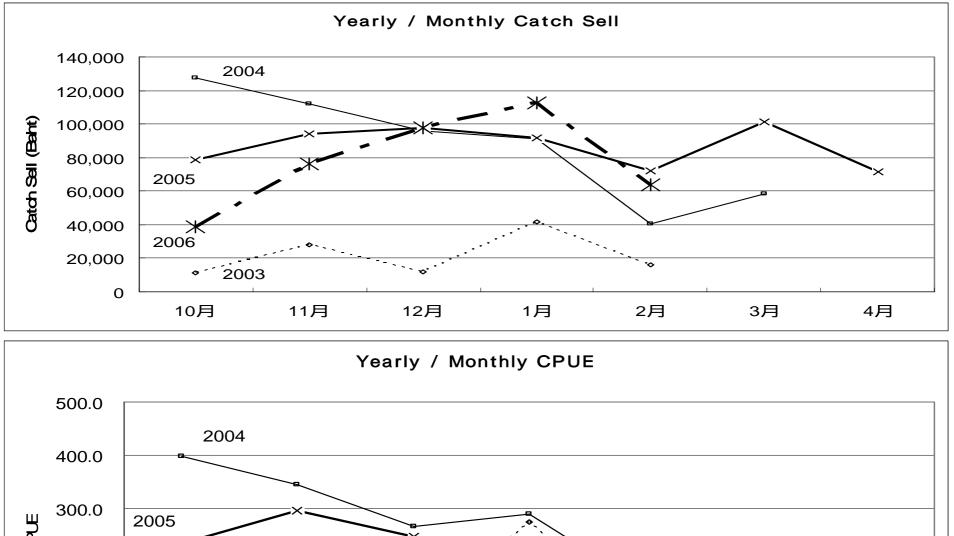


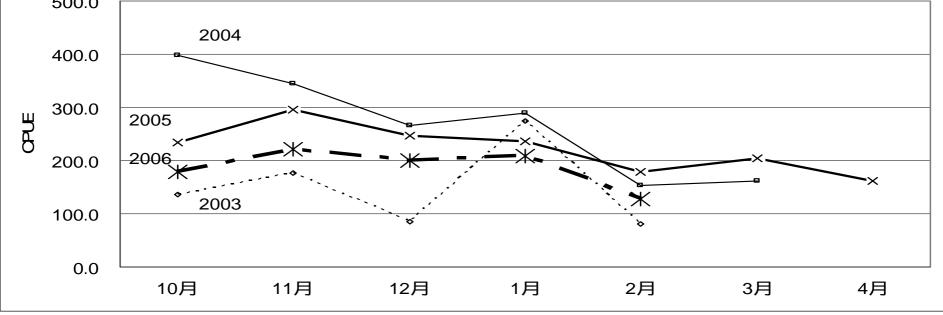
Main Catch Spieces, including Oyster Shell

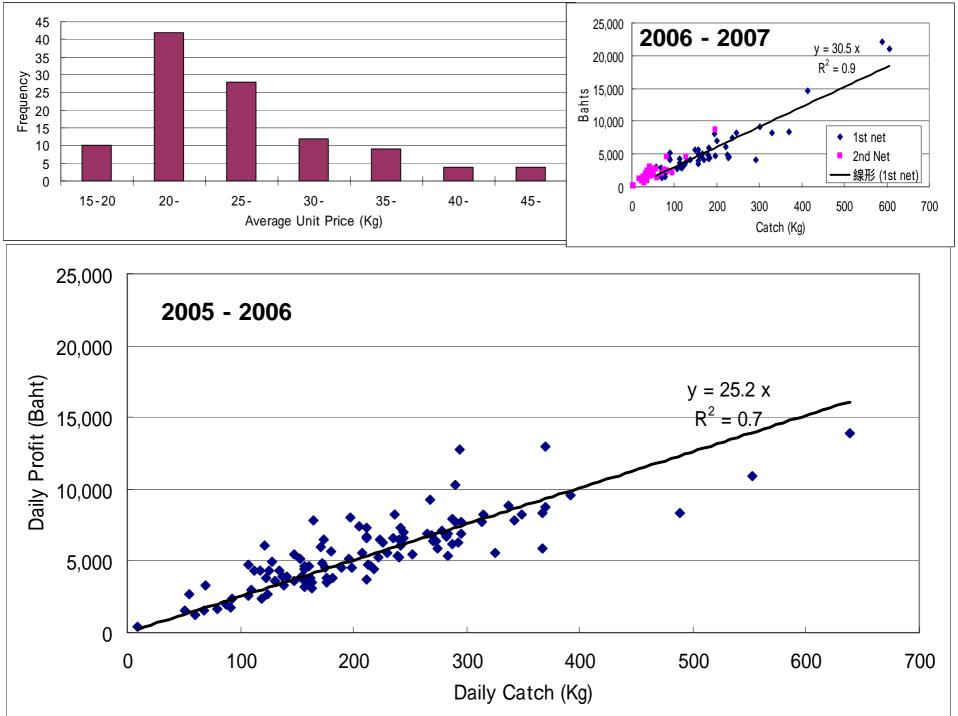
Operation can be only from October-April, due to Monsoon Season from May Yearly / Monthly Catch Trends









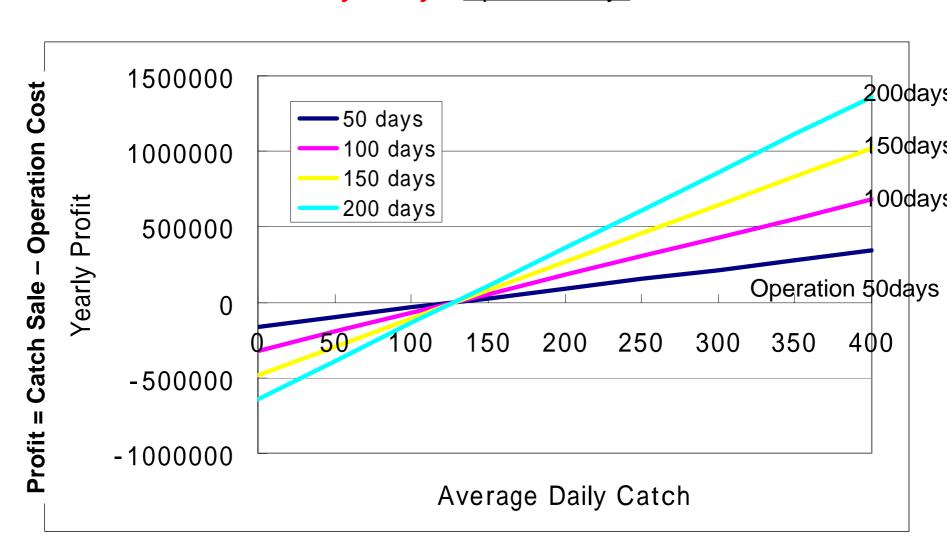


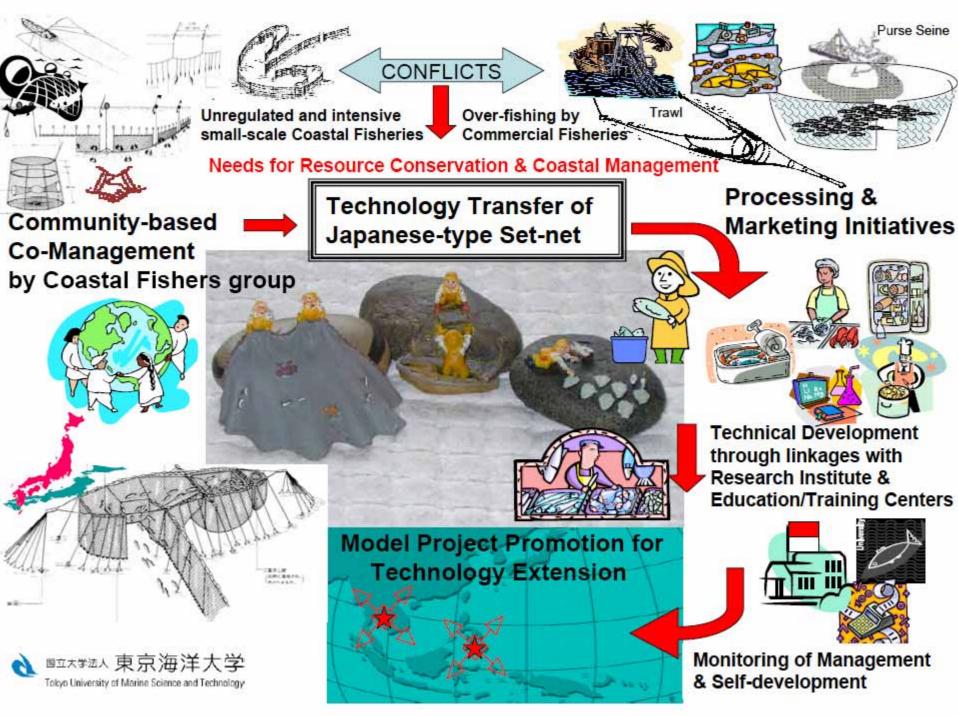
Catch Sell

= Average Daily Catch(kg) × Unit Price(25 Baht) × Operation Days

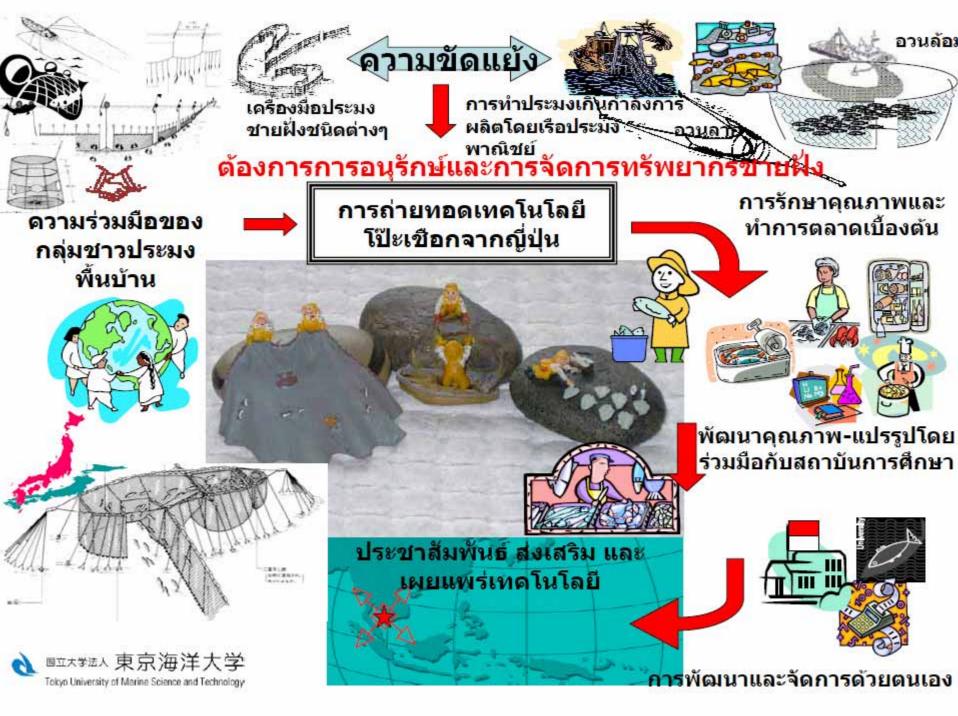
Operation Cost

= [No.of Fishers × Daily Salary × Operation Days] + [Ice] + [Fuel/Oil]









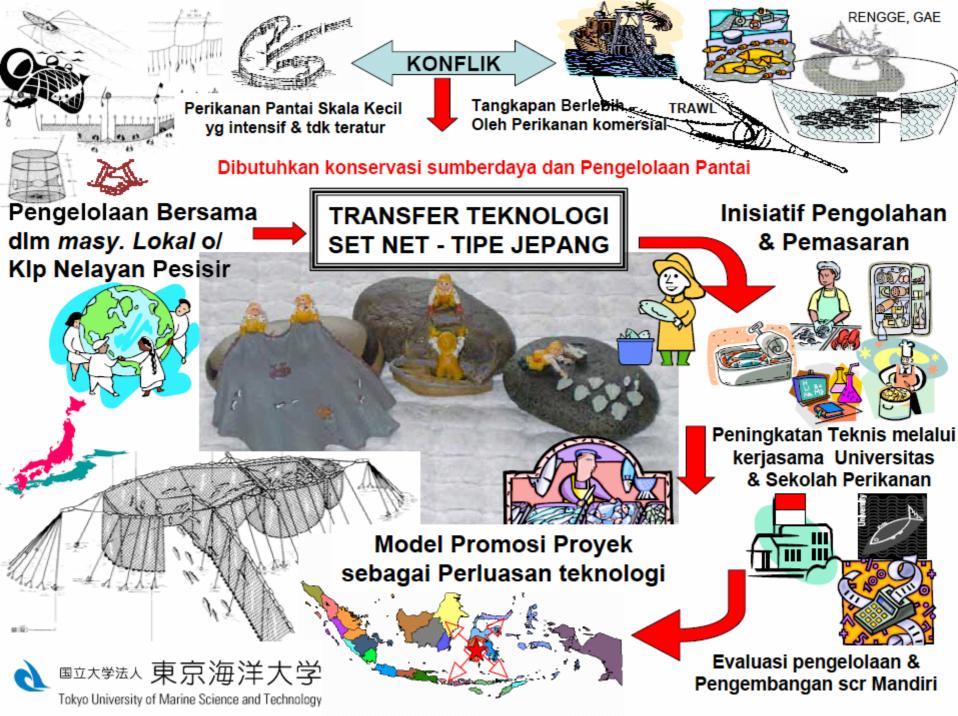


5. Environmental impact

Assessment.

for responsible utilization

4. Establish Systematical Group Management



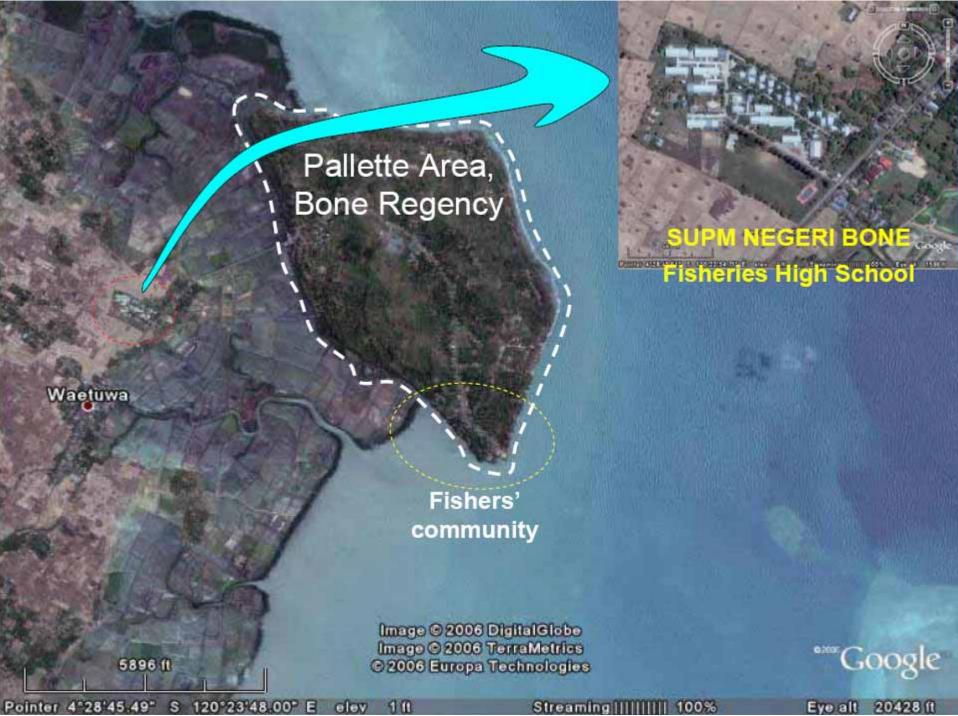












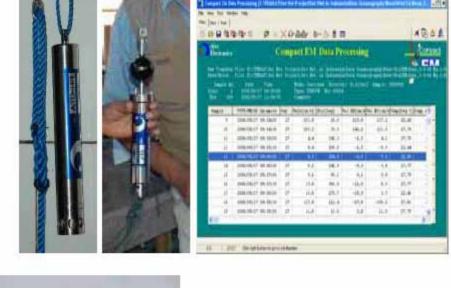
Needs of Pre-Survey

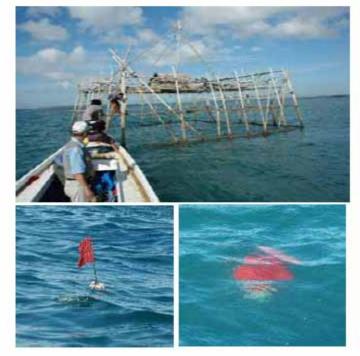
- Fishing Ground
 - Depth Contour, Current Speed / Direction
 - Fish Seasonal Migration
- Fishing Gear / Boat Designing
- Setting Site identification
- Socio-Economics
 - Fishing activities and Income Analysis
 - Marketing/Processing Analysis

Data collection

for Temperature and Current Speed & Direction

by: TD & EM measurement

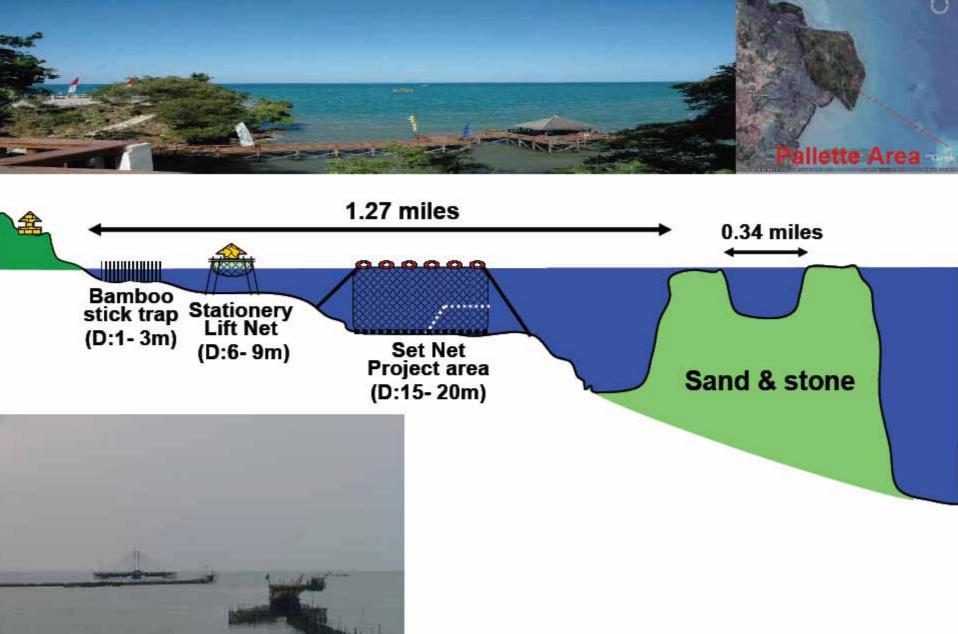












Fishing Activity in Pallette Waters, Bone Bay - INDONESIA







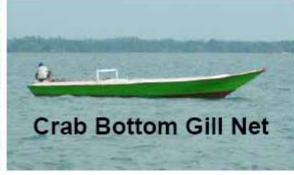












Landing Species in Bone









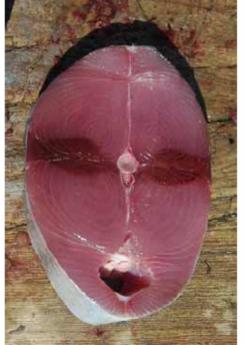












Yellowfin Tuna Thunnus albacares























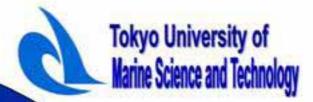
Sea Weed Cultures in Pallette Area



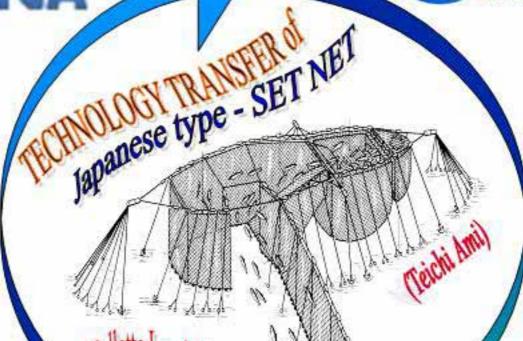
Marine Eco-tourism in Pallette Area, Bone Regency-INDONESIA

















UNHAS

SUPM NEG. BONE

DEPART. OF MAR. & FISHERIES
BONE REGENCY



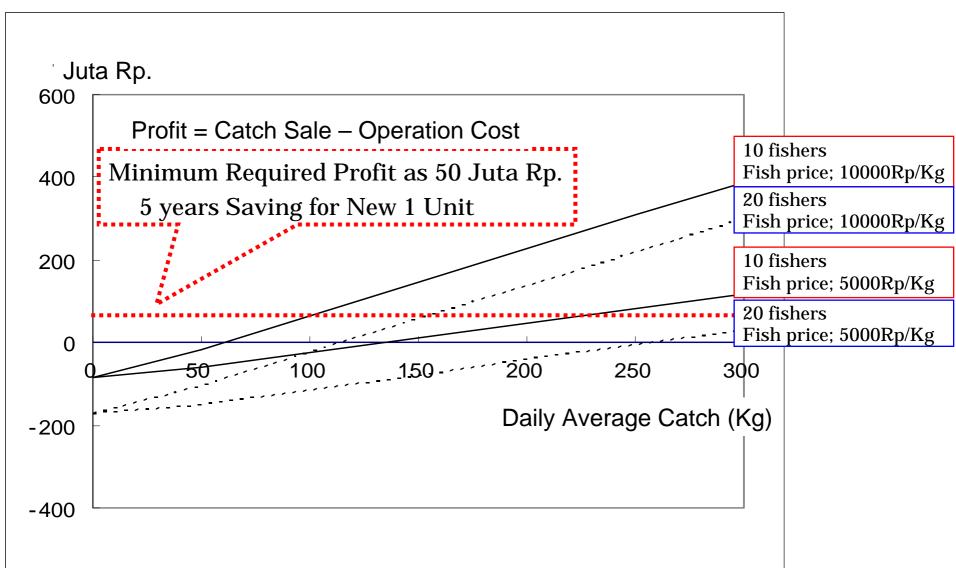


Counterparts of Technology Transfer of Japanese-type SET NET (*Teichi ami*) in Pallette Sea - Bone Bay, INDONESIA

Needs for Technology Transfer of Set-net

- Social Acceptance and Fishing Licensing
- Acceptance and Willingness of Local Fishers
- Capability on Net works and Rope works
- Capability of Leadership and Team Working for Group Operation & Cost-Profit Management
- Technical Supports from Set-net Experts/Ex-Trainees
- Scientific Supports from Universities/Research Centers
- Extension Services from Local Government

Simulation of Profit Analysis in Bone Set-net 2007 - 2010



Best Pilot Model Approach for Set-net Technology Transfer

- Concentrated On-site Efforts for Monitoring and Evaluation
- Operational Cost Analysis
- Profit Analysis with Catch/Marketing
- Regulation System
- Extension Activities in the region and to other regions
- Comparative study among regions with Profit analysis and Impact Analysis















Fishing boat is also ready at Pallette





Importance of Community-based Management for Set-net

- △ 10-20 fishers working together for operation
- ▲ Community is the owner of set-net
- A Profit sharing among fishers and for the community
- Giving the concept of the own garden for the fishing ground and fisheries resources
- Leading to the Community-based Coastal Management by the Fishermen's Cooperative

SET-NET of the community, by the community, and for the commun







Exercise Quiz for Nov.28 class by ARIMOTO

- 1. Do you have any types of fixed trap net?
 - Please name the gear type in English / your mother language.
- 2. Do you have any conflicts between coastal small-scale fishers and commercial fishers?
 - Please identify the example.
- 3. Are you interested in Technology Transfer of the Community-based set-net?
- 4. Please give the comment how the set-net can be helpful for the empowerment of the coastal community in your country?
- 5. Please try the meaningful wording for abbreviation of TEICHI, such as Technical Empowerment by Improving Community for Higher Income, in English or in your mother language.