

**Set-Net : an Eco-Friendly Fishing Gear
for Sustainable Coastal Fisheries Management**
(定置網 : 持続的沿岸漁業管理のための環境配慮型漁具)
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[Objective] Set-Net can be functioned as a tool of sustainable coastal fisheries management in the Southeast Asian region. Here, the case study of the technology transfer in Thailand is reviewed for strengthening the coastal community through the income increase and for the solution to the conflicts in the coastal fishing ground for the sustainable management.

[Methods] Otoshi-ami type of Set-Net was introduced to Thailand, at Mae Rumpheung Beach of Rayong Province in the Gulf of Thailand, on 2003, through the technical support from Himi city. A total number of 85 small scale fishermen from seven community groups participated to start the project for cooperative management of the set-net operation activities. The catch and sale data for 2003-2007 were analyzed, for considering the goal towards the regional technical extension in Thailand and other Southeast Asian countries, to meet the success for the sustainable coastal fisheries development.

[Results] The cooperative management system works well with the operational improvement both for the technical and management aspects, as resulting in the income increase with the best catch quality for the market price, the short period of working hour at sea, and the fuel saving through the group working. Collaborative group activities created the new concept on the fishing ground management, through the construction of set-net to occupy the fishing ground which can protect the area from the active commercial gear such as trawlers and purse seiners. These positive impacts can establish the opportunity for the resource enhancement and higher bio-diversity through the installation of eco-friendly fishing gear in the coastal ground.