Fisheries Co-Management

Some Principles and Concepts

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Presentation of Fisheries Co-Management Definitions

What is Fisheries Co-Management

Fishery is managed by local fishers and communities in Co-operation with government - shared decision making authority and responsibility

Different than current approach where government makes most decisions - might consult minimally with fishers, but mainly fishers are informed of rules and expected to obey

Why Fisheries Co-Management

- Considered by most leading experts to be a more effective approach compared to conventional top down command and control approaches
- Fishers have significant input and say in what should be managed and how it should be managed
- Results in greater legitimacy of rules and therefore more voluntary compliance, self enforcement among peers

Sustainable Fisheries Management

Management Issues

- Overfishing
- Destructive fishing
- sustainable and environmentally friendly fishing

Addressing Management Issues

- Toolkit for managing fisheries
- Institutional arrangements for management

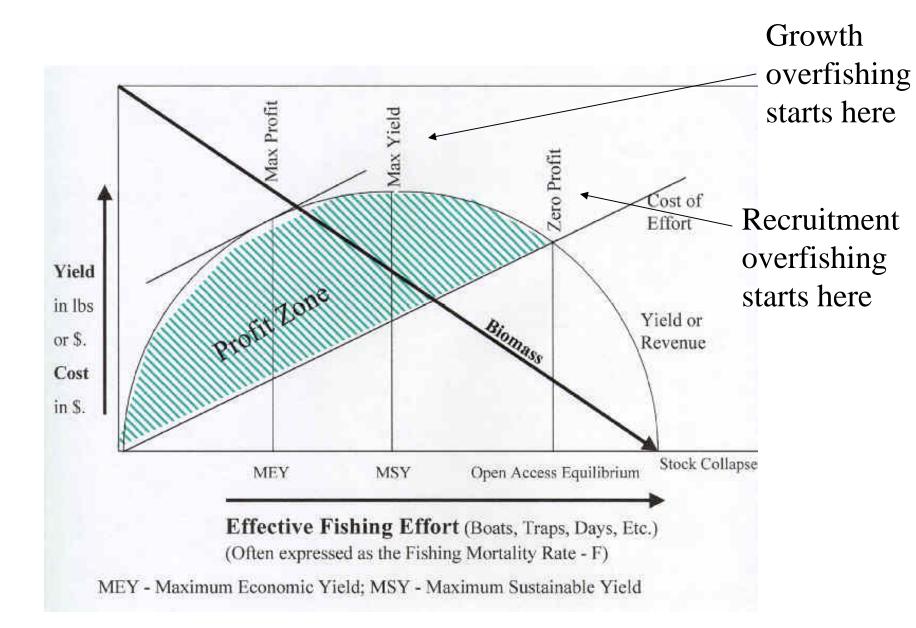
What is sustainable fisheries?

- Monitor the condition and health of the fishery
- Protect it from destructive fisheries
- Prevent overfishing from unsustainable practices
- Fishers transformed from:

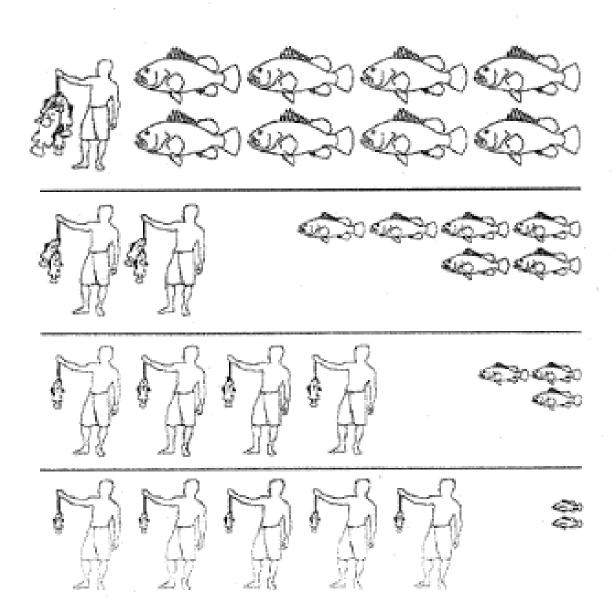
Resource exploiters/users to Resource stewards/caretakers/managers

Some Basic Concepts in Fisheries

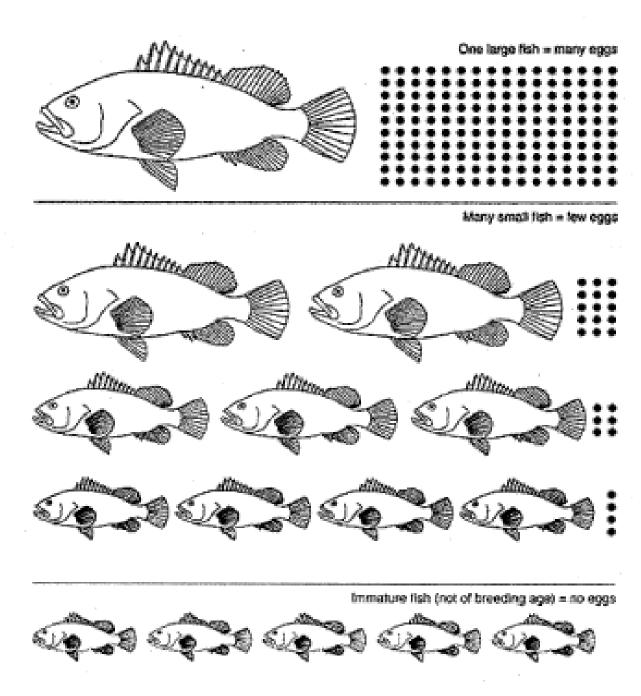
- Maximum sustainable yield
 - biological (Maximize total catch)
 - economic (Maximize economic profits)
- Equilibrium point in an open access fishery
 - beyond MSY
 - Total costs equal total revenues generated (including opportunity costs)
 - more fishers, but less catch per fisher
- Tragedy of the commons
 - each fisher tries to maximize gains but overall it results is decline in resource



Relationship between Number of Fishers (effort) and Size and Abundance of Fish (catch)



Relationship between Fish Size and Egg Production



Large Group Discussion -

What is the Fisheries Management System in Thailand?

- Co-Management or Command and Control top-down management?
- Who makes rules?
- Who enforces rules?
- How does fisheries department consult with fishers in setting regulations?

Small Group Discussions

5 Groups - mangrove, ocean crab, shrimp, squid, pelagic fin fisheries

Area maps for each fishery - where you fish N,S, W others?

Catch Trends - increasing, decreasing or same

•catch per day, size of individuals, effort

Time periods - this year, year before tsunami, 5 years ago, 10 years