

Ecosystem Approach to Fisheries Management (EAFM)

การบริหารจัดการทรัพยากรประมงโดยใช้แนวทางเชิงระบบนิเวศ



CORAL TRIANGLE INITIATIVE
ON CORAL REEFS, FISHERIES AND FOOD SECURITY



Norad



USAID | **ASIA**
FROM THE AMERICAN PEOPLE



The future we want: our vision

- Well-governed fisheries sector
- Abundant fisheries resources
- Healthy environment and habitats
- Increased jobs, profits, and improved economy
- Improved human health and prosperity

A legacy for you, your children, and future generations

Threats and issues



- Fisheries face many threats and issues that constrain us from achieving this vision
- In the past, fisheries management tended to ignore the fact that many issues are interlinked
- There is a need to holistically address all the issues impacting and/or impacted by the fisheries sector
- One such holistic approach is the **ecosystem approach**



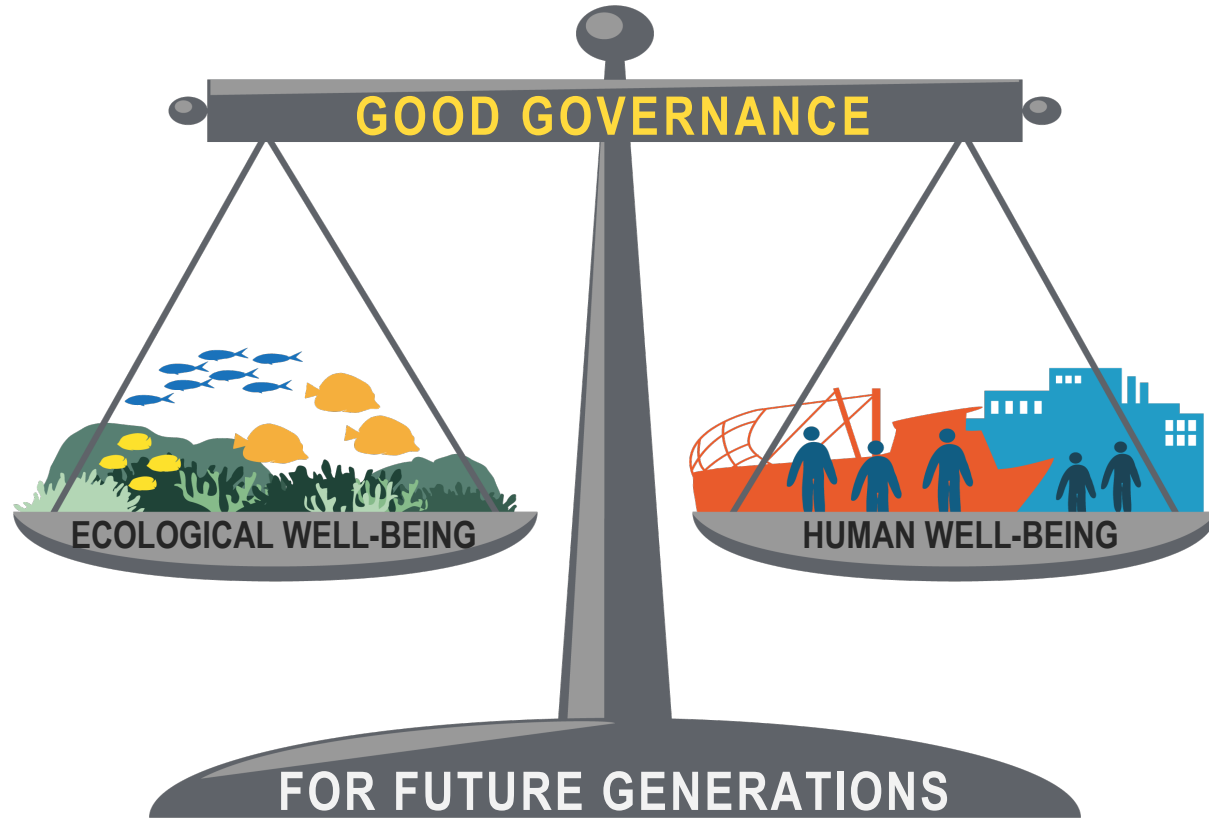
What is the Ecosystem Approach?

The ecosystem approach is “a strategy for the integrated management of land, water and living resources that promotes **conservation** and **sustainable use** in an **equitable way.**”

--Convention on Biodiversity (CBD 2000)

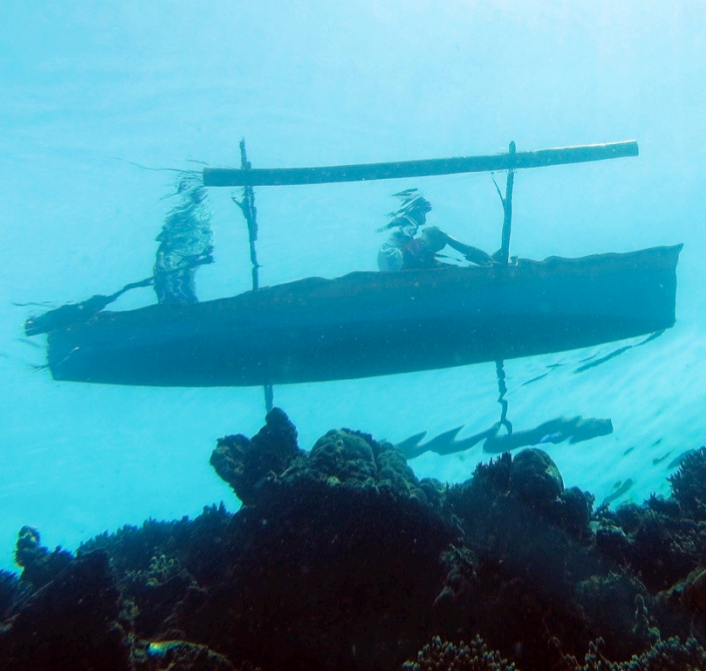
EA is an holistic approach to achieve sustainable development

Sustainable development of fisheries



**EAFM is the ecosystem approach (EA)
applied to fisheries management (FM)**

$$\mathbf{EA + FM = EAFM}$$



EAFM aims to maximize ecosystem benefits, resulting in increased food security & reduced poverty

- Fish for food
- Income
- Employment
- Livelihoods
- Trade
- Coastal protection

Key principles of EAFM



**1. Good
governance**



**2. Appropriate
scale**



**3. Increased
participation**



**4. Multiple
objectives**



**5. Cooperation
& coordination**

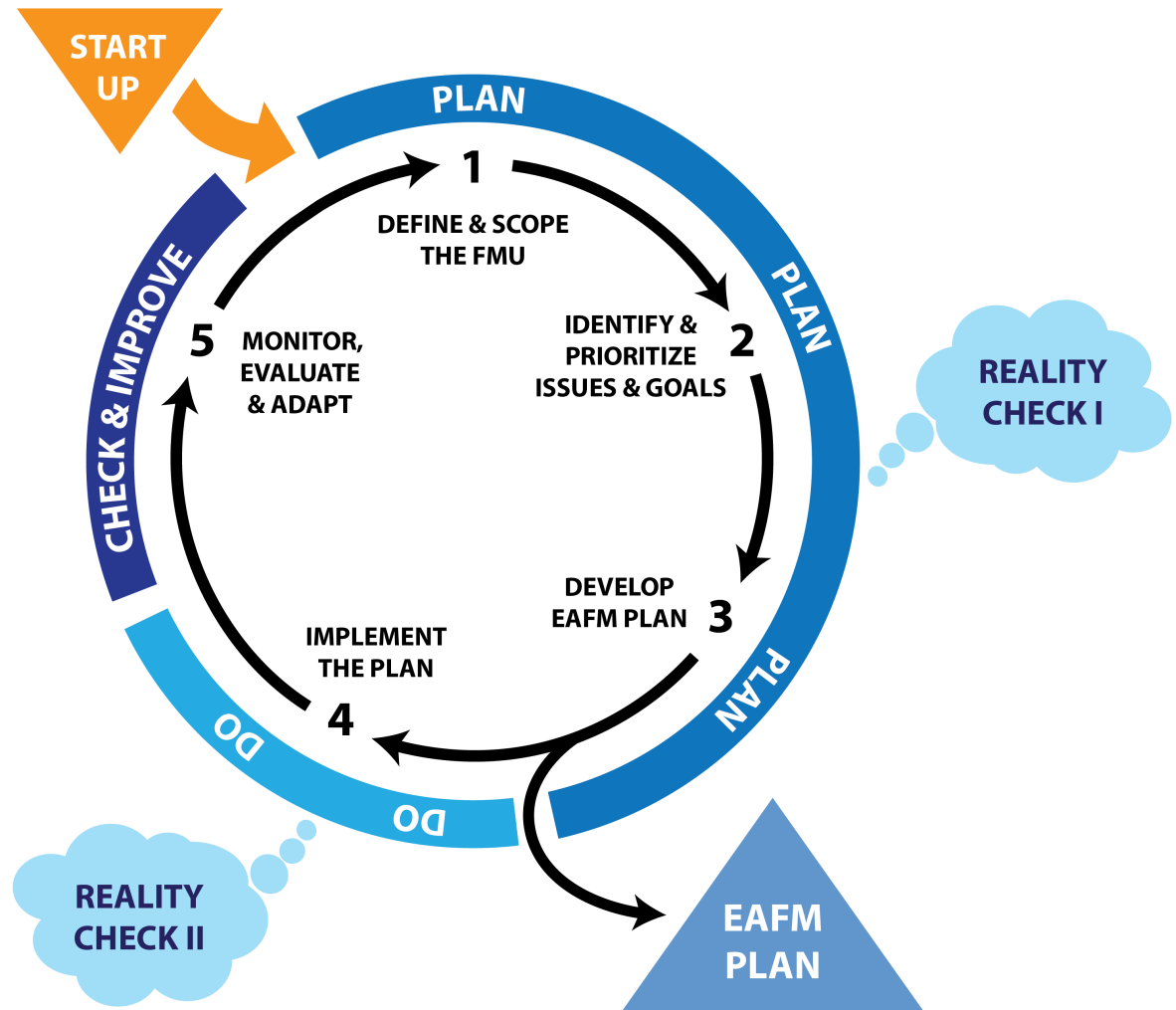


**6. Adaptive
management**




**7. Precautionary
approach**

The 5 steps of EAFM



EAFM cycle



Planning – Steps 1-3

1. Define & scope
2. Issues & goals
3. Objectives, indicators, management actions & compliance, financing

Doing - Step 4

4. Implement

Checking & improving - Step 5

5. Monitor, evaluate and adapt

Activity I

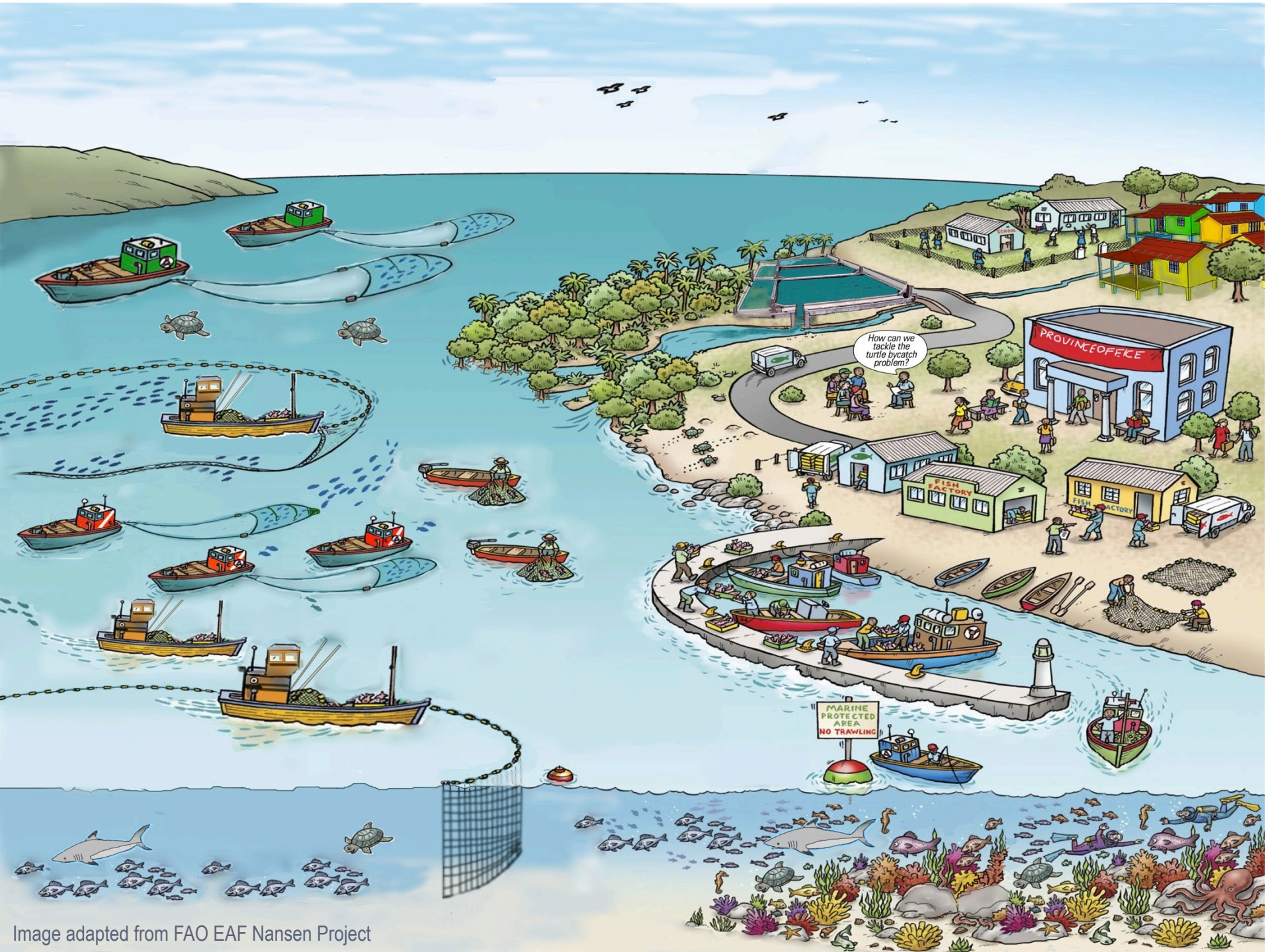
It is a game

Divide into 5 groups

Thinking about the Ecosystem

From the picture, make a list of living and non-living components which are related to fisheries resources (as many as you can)





How can we tackle the turtle bycatch problem?

PROVINCE OFFICE

FISH FACTORY

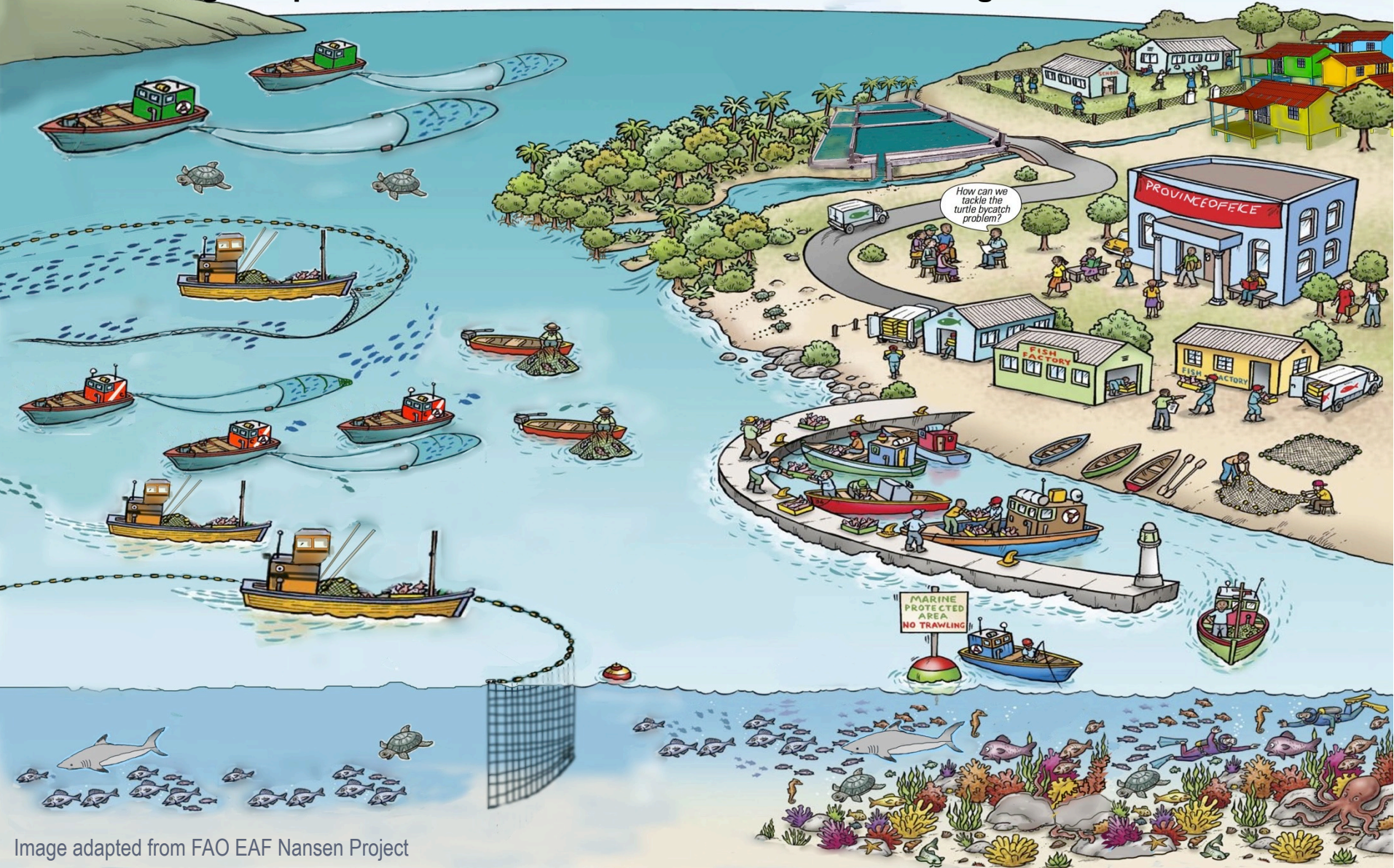
FISH FACTORY

MARINE PROTECTED AREA
NO TRAWLING

Image adapted from FAO EAF Nansen Project

What is an ecosystem?

A relatively self-contained system that contains plants, animals, micro-organisms and non-living components of the environment as well as the integrations between them



Activity II

What are the benefits of taking an ecosystem approach to fisheries management ?



1. Essential EAFM training package

2. EAFM LEAD (leaders, executives, and decision makers) “toolkit”

www.eafmlearn.org

