

# 17. Steps 5.1 & 5.2

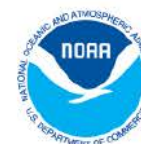
## Monitor, evaluate & adapt

Essential **EAFM**

Date • Place



**CORAL TRIANGLE INITIATIVE**  
ON CORAL REEFS, FISHERIES AND FOOD SECURITY

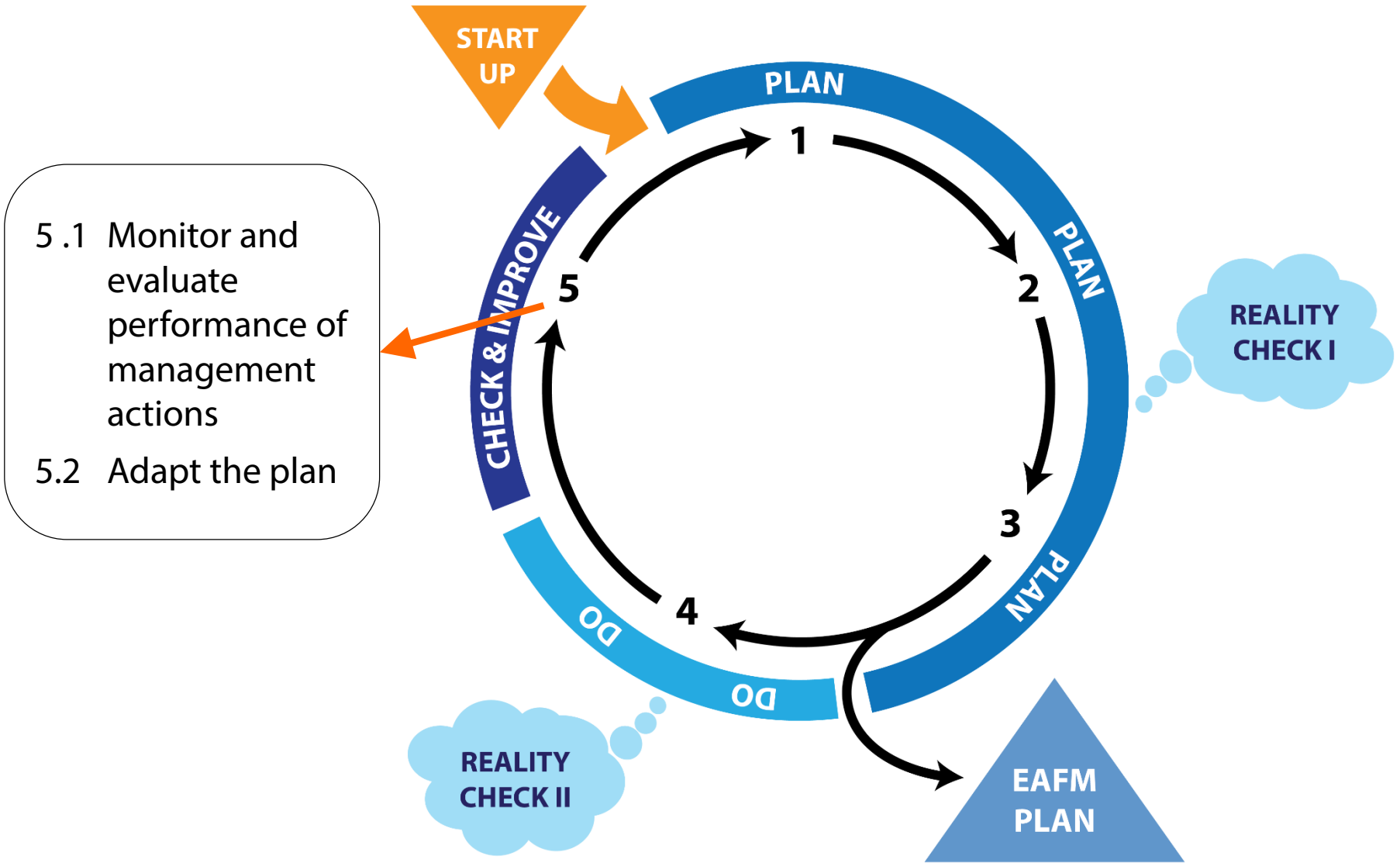


**Norad**



**USAID**  
FROM THE AMERICAN PEOPLE

**ASIA**

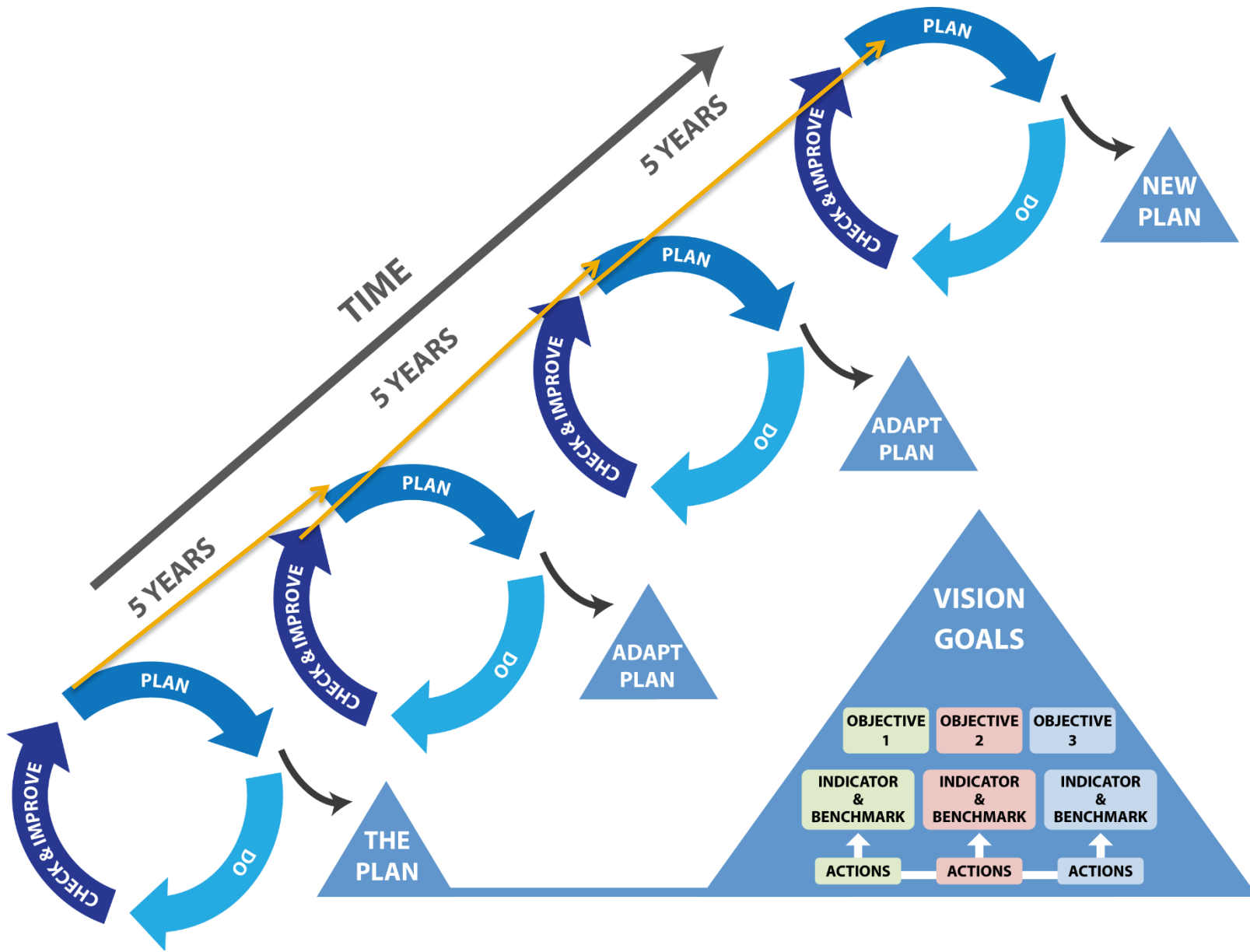




# Session objectives

*After this session you will be able to:*

- Monitor how well management actions are meeting goals and objectives
- Plan what has to be monitored, why, when, how and by whom
- Evaluate monitoring information and report on performance
- Review and adapt the plan





# Step 5 is a critical step in the management cycle

- Regular monitoring and reviews of management actions are required to assess progress towards achieving objectives
- Monitoring and evaluation (M&E) provides the critical information for adaptive management

**NOTE: DO NOT GET CONFUSED WITH “MONITORING” IN MCS**  
(which means monitoring for compliance and enforcement, not the broader monitoring needed here)



# The sub-steps

## 5.1 M&E

- Monitor: Collect data (focus on indicators)
- Evaluate: Collate results of monitoring and evaluate management performance against benchmarks, and report

## 5.2 Review and adapt the EAFM plan

- Review: Regular reviews of the plan
- Adapt: Adapt the plan as required



# Monitor

- Collect data for each indicator
  - Avoid unfocussed data collection but do not ignore relevant information (e.g. fishermen observations, environmental change)
- Monitoring continues throughout the life of the plan
- Frequency of monitoring depends on the indicator
  - Some indicators will require monthly, some seasonal and some annual sampling



# Participatory M&E

- Involve the stakeholders in:
  - collecting data
  - deciding on the methods to use
- Indicators monitored and evaluated locally have more relevance





# Evaluate management performance

Assess each indicator against its benchmark to measure the efficacy of each management action.

Example:

Objective: Increase area of mangrove habitat

Indicator: Hectare of mangroves

Benchmark (baseline): 10,000 ha in the year 2000

Benchmark (target): increase 50% by 2020 (15,000 ha)

Indicator in 2014: 50% of baseline (5,000 ha)

Evaluation: Management is not working  
Need to adapt



# Evaluate performance contd.

- Evaluate all indicators
- Collate, analyze and describe the overall performance of management actions

Assess other sources of information that verify (confirm or refute) the indicator evaluation  
e.g. cross-check with stakeholder observations



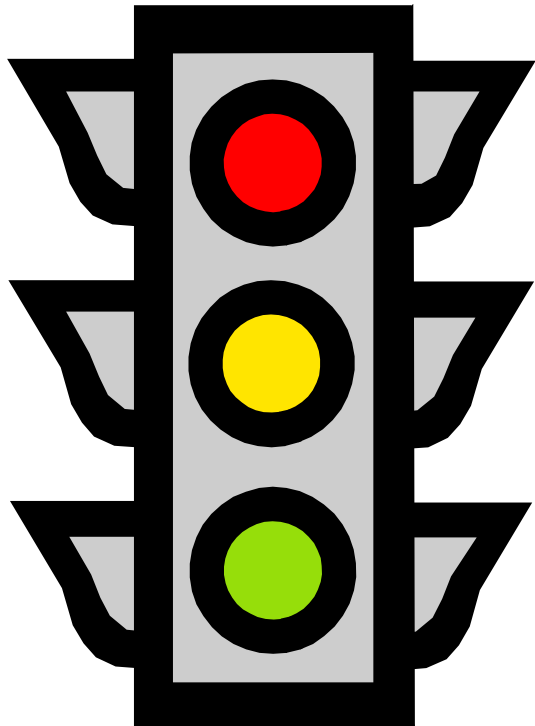
# Communicating and reporting

- The evaluation needs to be communicated
- Different users will require different reporting styles
  - Brief and hard-hitting for policy makers
  - Simple and easy to understand for community stakeholders



# Traffic light system

## An example of a simple reporting system



**Red**

performance is well below benchmark

**Orange**

performance is close to benchmark

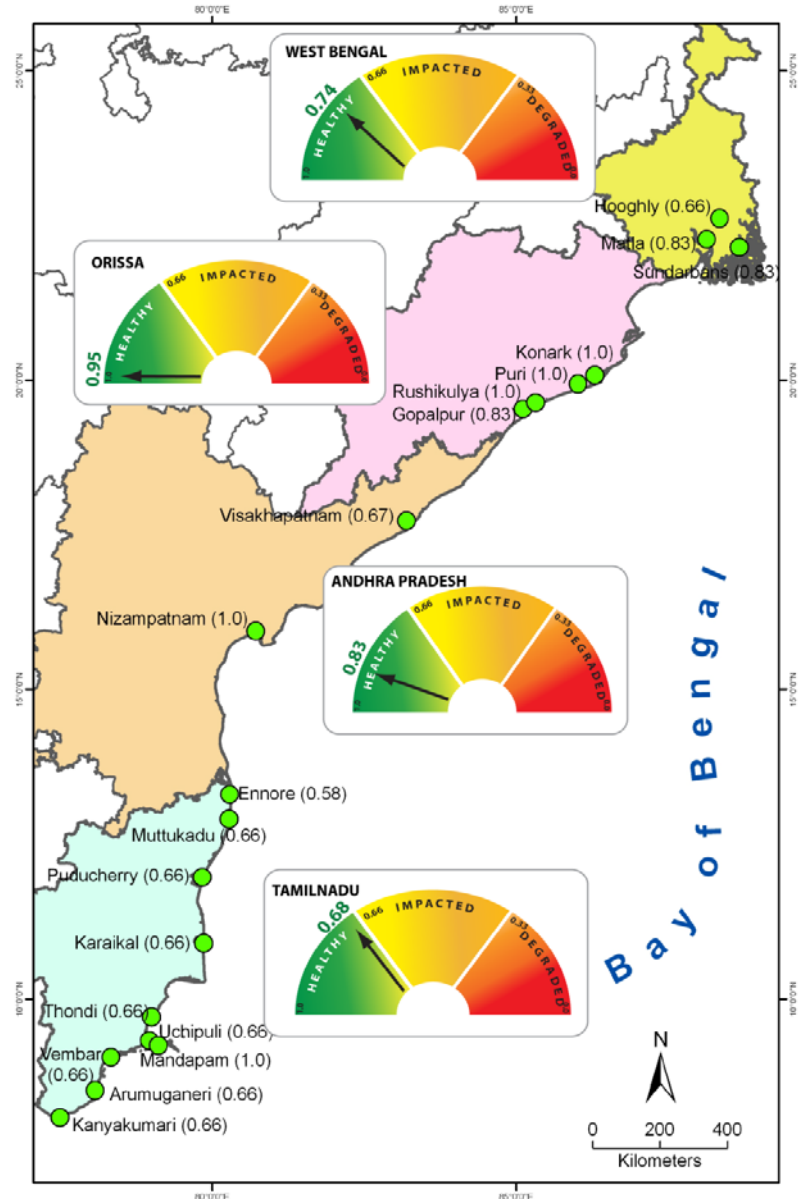
**Green**

performance is at or above benchmark

# Instrument panel

Another example of a simple reporting system

Bay of Bengal  
Ecosystem health





## 5.2 Review and adapt

- The evaluation report provides the basis for the participatory review of the plan
- Reviews
  - Short-term (annual evaluation)
  - Long-term (3-5 years evaluation)



# Short-term reviews

- If the plan is not working, establish why
- Adapt plan:
  - Management actions
  - Compliance
  - Governance arrangements



# Longer-term reviews

Carry out a comprehensive review every 3-5 years.  
May be necessary to:

- Reconsider goals, objectives, indicators, etc.
- May need to rethink the whole plan and management system
- Often carried out by independent auditor

***If the plan is working, celebrate!!***





# Monitoring

**1 YEAR**

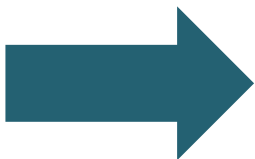


## **Short-term reviews**

### **- Evaluate and adapt**

- Management actions
- Compliance arrangements
- Governance arrangements

**3-5 YEAR**



## **Long-term reviews**

### **- Evaluate and adapt**

- Reconsider goals, issues and linked objectives, actions and indicators



# Key messages

## In Step 5:

- Monitor, evaluate and adapt completes the EAFM cycle, ready to enter the next cycle
- Yearly review: are you meeting objectives? (if not, adapt the management actions and compliance arrangements, where necessary)
- 5-yearly review: are you meeting objectives and goals? (if not, may be necessary to also revisit issues and goals as well)



# Home work: preparing presentations for day 5

- EAFM plans
- No PowerPoints
- Use flipcharts, cards.....be creative!
- Trainers need to see learning and applying EAFM concepts and tools
- Everyone participates
- Supportive environment – constructive feedback



# EAFM QUIZ!

