



Session 17

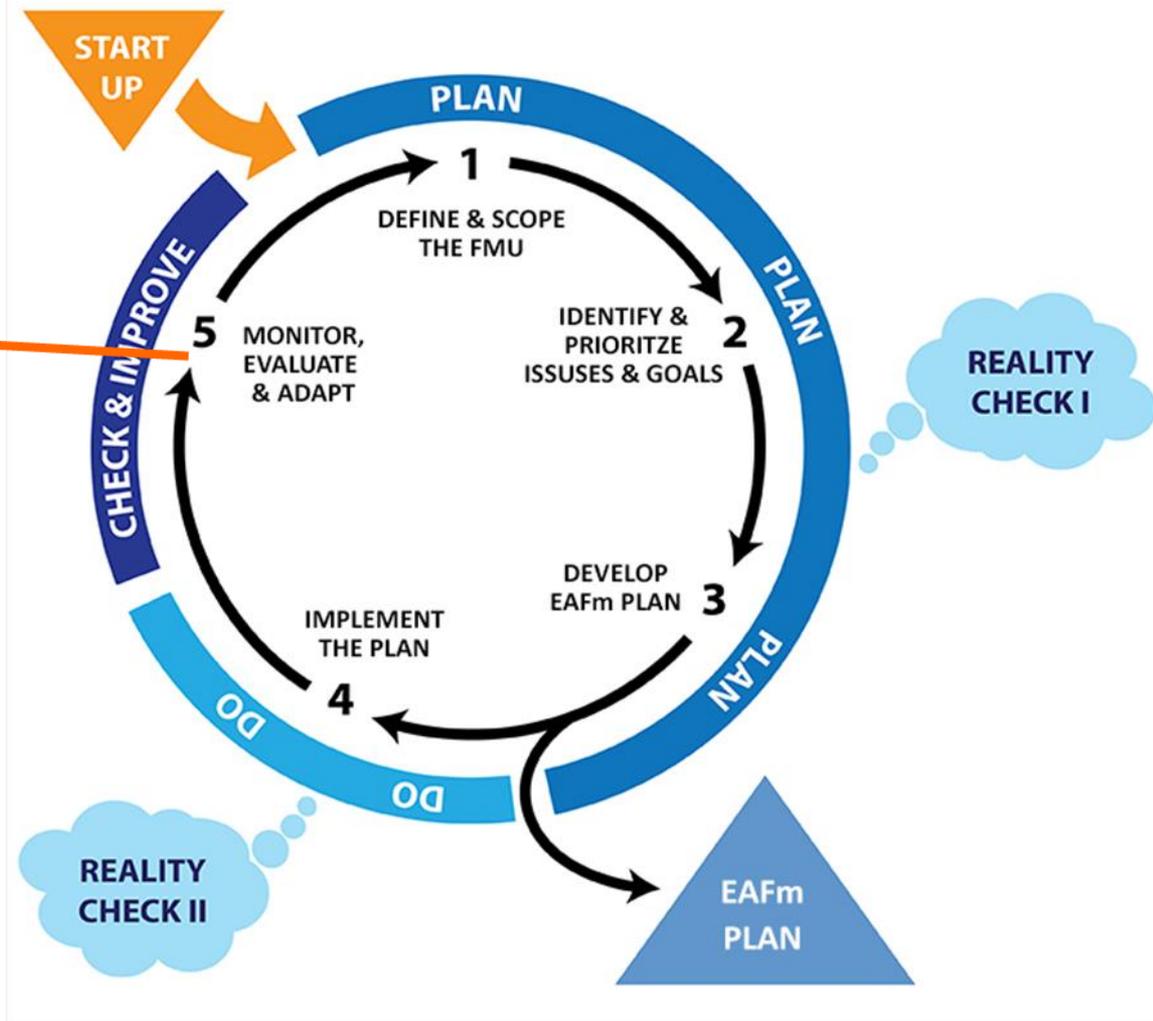
Steps 5.1 & 5.2

Monitor, Evaluate and Adapt

Essential EAFm training
Date | Place



- 5.1 Monitor and evaluate performance of management actions
- 5.2 Adapt the plan

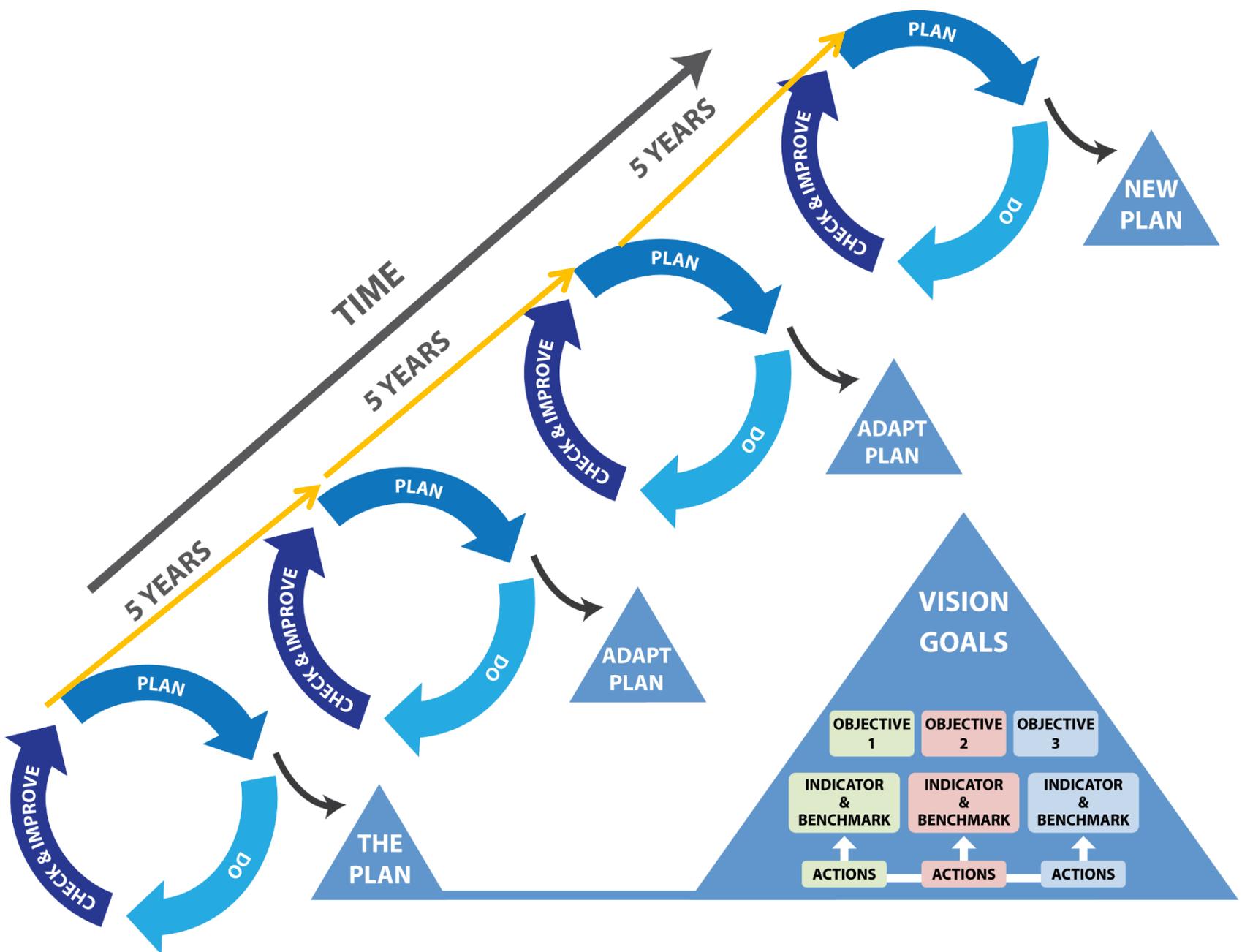




Session Objectives

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: “MONITORING” IN MCS is only the monitoring of compliance with regulations, but monitoring for evaluation includes other data as there are multiple indicators, not just compliance.



The Sub-Steps

5.1 Monitoring & Evaluation (M&E)

- Monitor: Collect data (focus on indicators)
- Evaluate: Collate results of monitoring and evaluate management performance against targets/limits (and baseline) 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 target/limits/baseline to measure the effectiveness of each management action.

Example:

Objective:	Increase area of freshwater fish refuge	
Indicator:	Hectare of protected habitat	
Baseline	100 ha in 2010	
Target	Increase 50% above baseline by 2020 (150 ha)	
Progress 2014	<p>50 ha (50% decrease!)</p> 	<p>125 ha (25% increase)</p> 



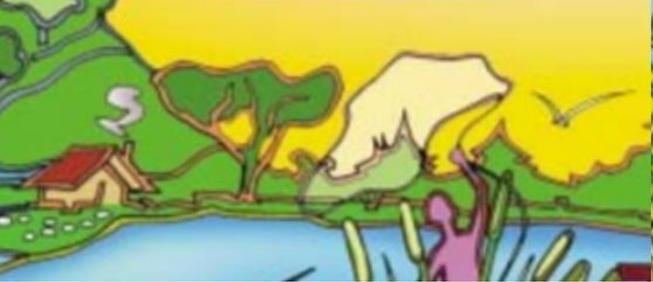
Evaluate Performance contd.

- 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

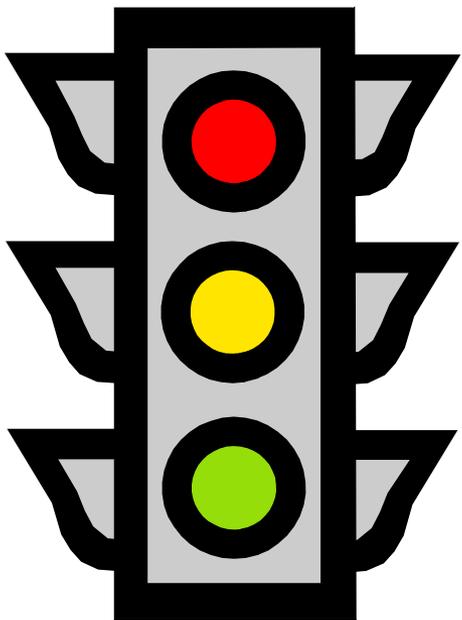


Communicating and Reporting

- 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



Example of a simple reporting system: Traffic Lights



Red

performance is well below target, and close to limit

Orange

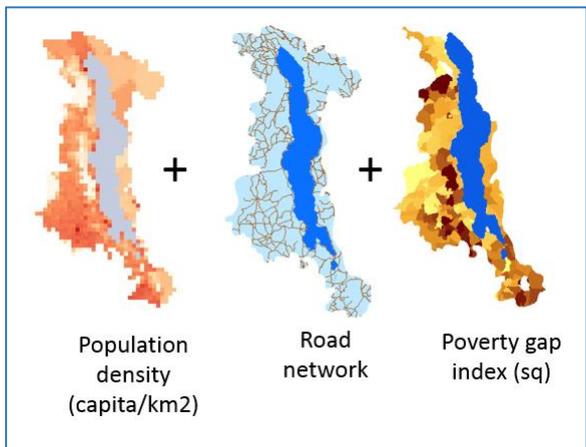
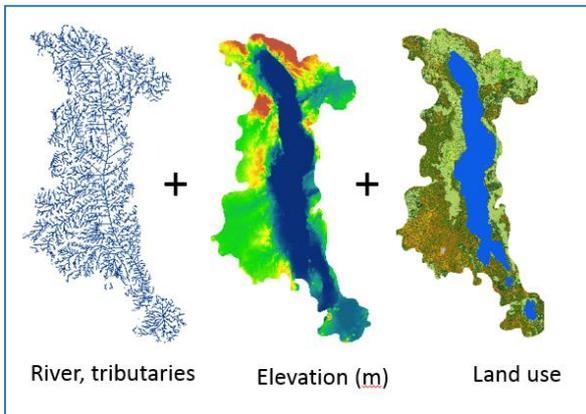
performance is close to target

Green

performance is at or above target

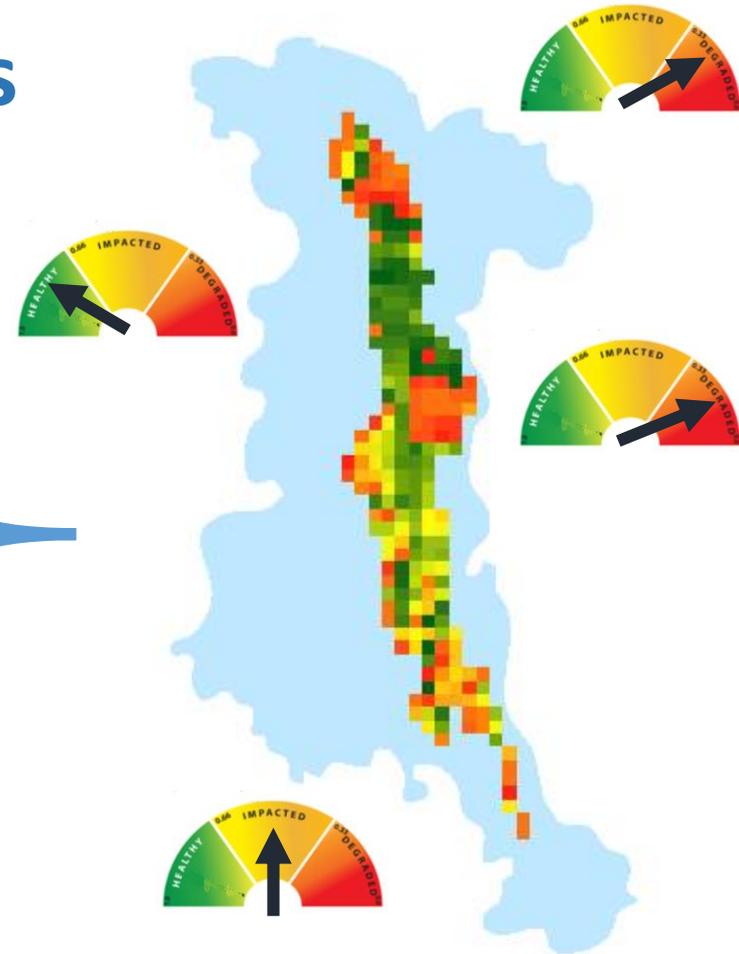


Using colours to map status



Nutrient runoff

Fishing pressure

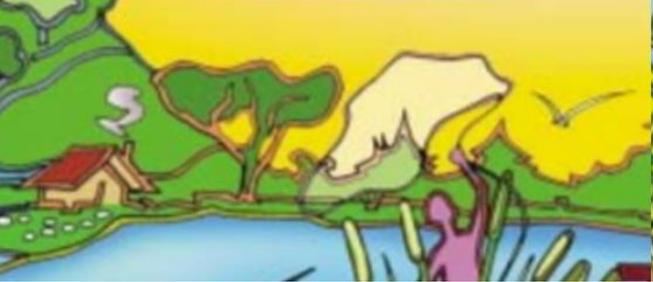




5.2 Review and Adapt

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 the plan:
 - Management actions
 - Compliance
 - Governance arrangements



Longer-term Reviews

Carry out a comprehensive review every 3-5 years.

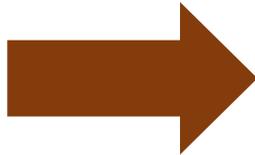
It may be necessary to:

- 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

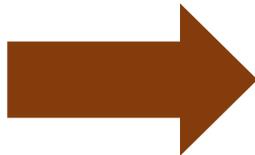
1 YEAR



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



EA Fm QUIZ!

