

13. Steps 3.1 & 3.2

Develop objectives, indicators and benchmarks

Essential **EAFM**

Date • Place

Version 1



CORAL TRIANGLE INITIATIVE
ON CORAL REEFS, FISHERIES AND FOOD SECURITY



Norad



USAID
FROM THE AMERICAN PEOPLE

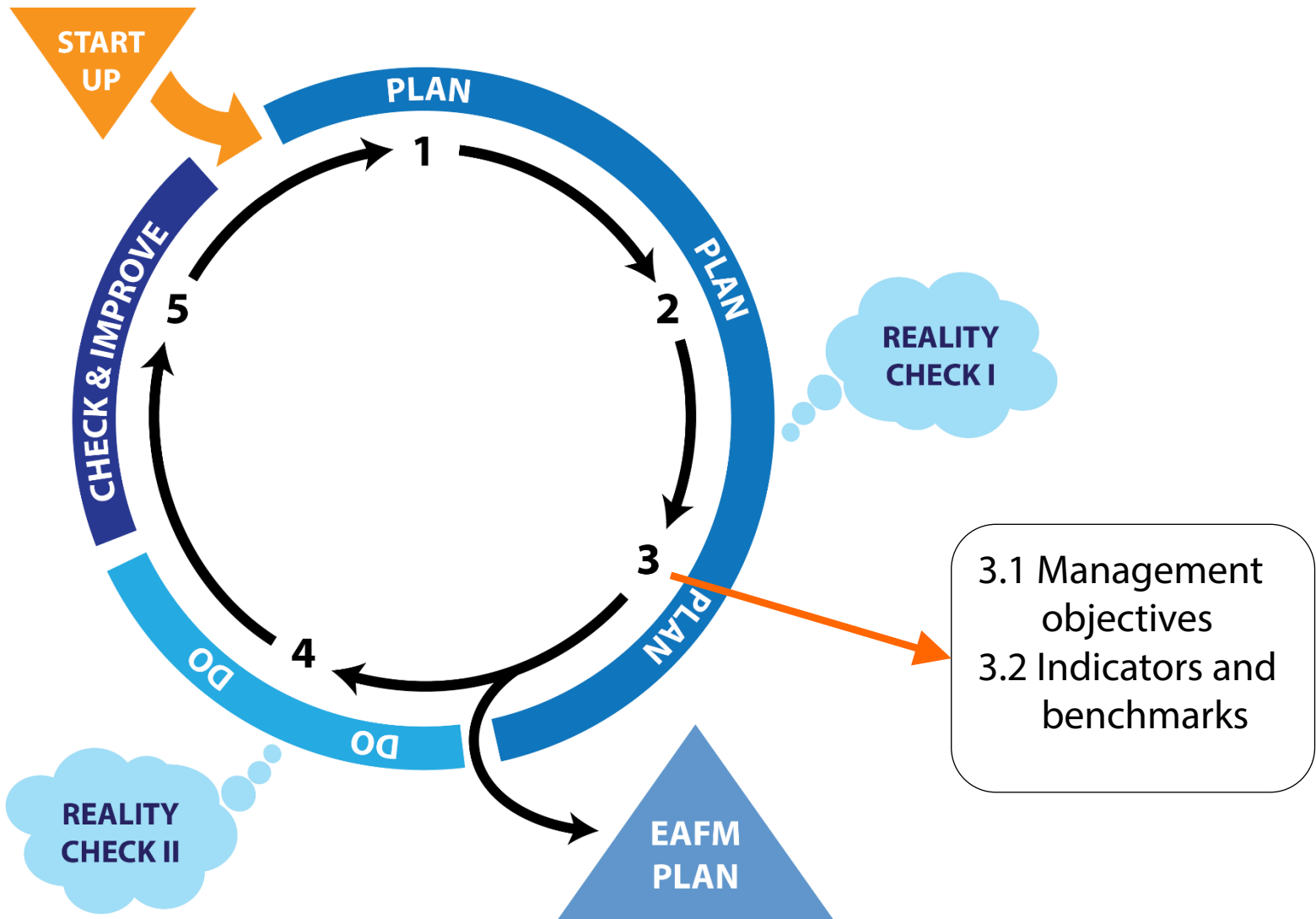
ASIA



Session objectives

After this session you will be able to:

- Develop management objectives
- Develop indicators and benchmarks related to the objectives



Building the EAFM plan





3.1 Developing objectives

Priority threat/issue

**Management
objective**

Ask:

What specifically for this issue do you want to achieve?

Objectives

**What you want
to achieve!**

Management objective

Achievable through
management actions

👍 management objective = To reduce the % of juvenile fish caught

👎 management objective = Improve the health of the ecosystem



3.2 What is an indicator?

- It measures the current status at one point in time (e.g. temperature, number of fish, area of mangroves)
- When compared with an benchmark, the **indicator provides a measure** of how well you are meeting the objective

An indicator must be linked to the objective



Fishery resources example

Goal

Maximum sustainable yield for fishery

Objective

Reduce the % of juvenile fish caught in the fishery

Indicator

% of juvenile fish at sample sites



Ecological example

Goal

Minimized impacts on vulnerable and endangered species

Objective

Minimize the number of turtles caught in the fishery

Indicator

Number of turtles caught (based on sample)



Social example

Goal

Maximum social benefits for the fishery

Objective

Increase/maintain employment in the harvest and post-harvest sectors

Indicator

Number employed in the harvest/post-harvest



Governance example

Goal

Improve compliance and enforcement

Objective

Strengthen compliance and enforcement cooperation amongst different agencies

Indicator

Coordination group formed, multi-agency compliance plans formulated & groups meeting regularly with agreed minutes



Indicators must be “SMART”...

- **S**pecific (in terms of quantity, quality and time)
- **M**easurable (easy to measure with acceptable cost)
- **A**vailable (from existing sources or with reasonable extra effort)
- **R**elevant (to objectives and sensitive to change)
- **T**imely (to ensure usefulness to managers)



What is a benchmark?

- A target, limit, or baseline that provides a reference for comparing the indicator

Target = where you want to be

Limit = where you do not want to be

Baseline = where you have come from

(e.g. Target: Increase the area of mangroves by xx% by 2020)



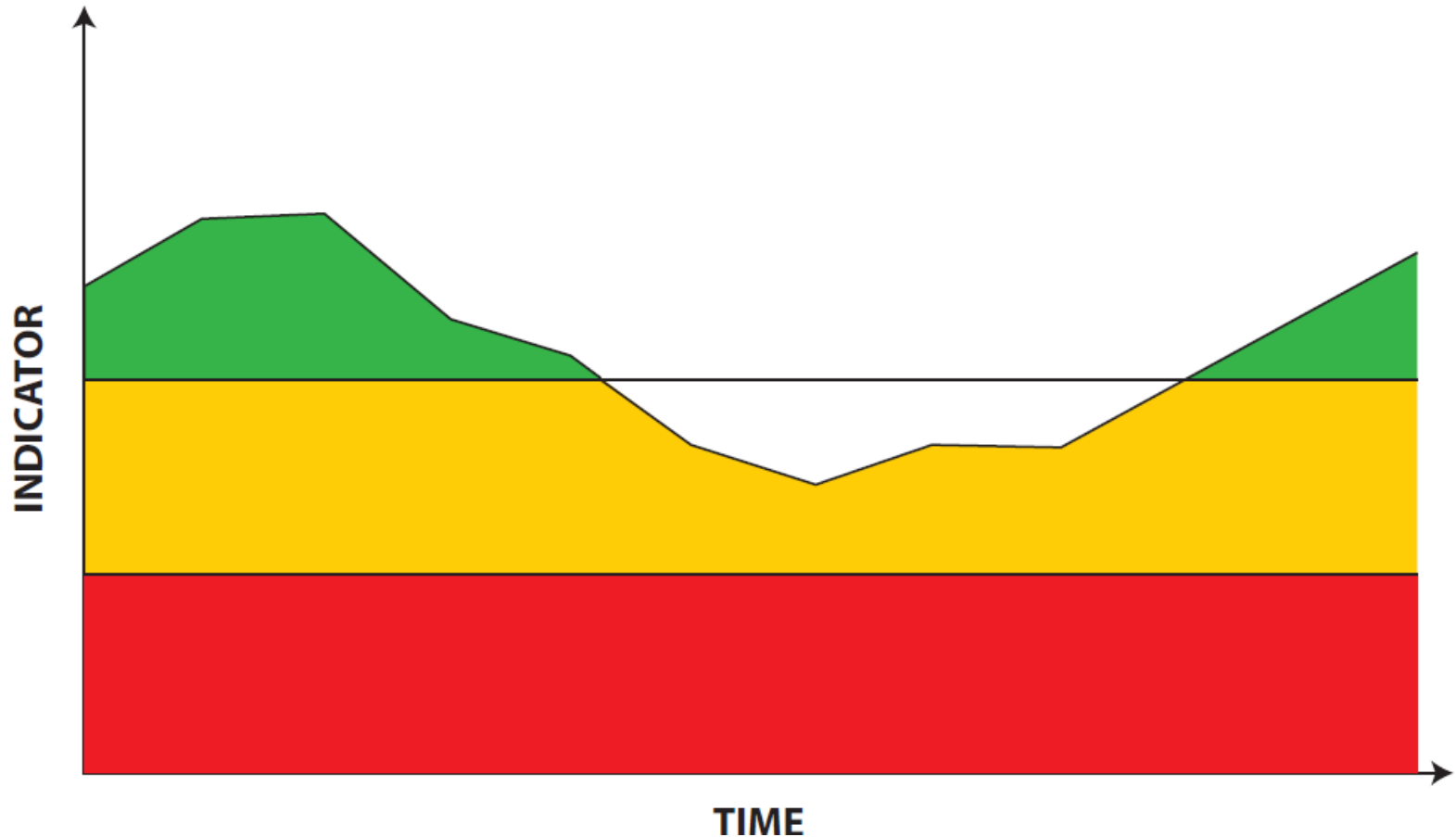
Remember: when the indicator is compared to benchmark it tells you how well you are meeting the objective



Simple example

- Objective:
 - Reduce the fever of a sick patient
- Indicator:
 - The patient's body temperature
- Benchmark:
 - 37 degrees Celsius in 2 days (target)

Indicators and benchmarks





Data & information for the indicators and benchmarks

- Data and information are needed for the indicators and benchmarks
- Use existing data
- Collect new data, if necessary
- Use participatory approaches, if possible

Note: Data & information is a cross-cutting theme. It was needed for scoping to set the background and now for indicators and benchmarks



Key indicator questions

- What: what needs to be measured?
- Who: who will measure them?
- Where: where will the data come from?



Participatory M&E

- Stakeholders are involved in:
 - developing the indicators and benchmarks
 - collecting data
 - deciding on the methods to use
- Indicators developed locally have more relevance



Key messages

In Step 3.1-3.2:

- Management objectives are developed. This involves agreeing on what is to be achieved for each high-priority issue
- Objectives are paired with indicators and benchmarks to be able to assess whether the objective is being achieved



In your groups

1. Choose at least 4 issues that were categorized as hi/hi (2 ecological (1 fish & 1 environmental)); (1 human & 1 governance).
2. Develop a management objective for each issue
3. Select indicator(s) and benchmark(s) for each management objective

Outputs-

Goal:

Issue:

Objective:

Indicator:

Benchmark: