

Food and Agriculture Organization of the United Nations

ECOSYSTEM APPROACH TO FISHERIES MANAGEMENT TRAINING COURSE (INLAND FISHERIES) VOLUME 3: TRAINING COURSE PRESENTATIONS & VISUALS



Cover image: Emmanuela D'Antoni, "Inland Fisheries" (FAO, 2003).

ECOSYSTEM APPROACH TO FISHERIES MANAGEMENT TRAINING COURSE (INLAND FISHERIES) VOLUME 3: TRAINING COURSE PRESENTATIONS & VISUALS

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PREPARATION OF THIS DOCUMENT

This Ecosystem Approach to Fisheries management (EAFm) inland fisheries training course is a development of the Essential-Ecosystem Approach to Fisheries Management (E-EAFm) training course, which was developed over several years starting in 2012. The consortium of institutions and projects which developed the course consisted of: the Food and Agriculture Organization (FAO) of the United Nations, the National Oceanic and Atmospheric Administration (NOAA) and IMA International.

The Essential-Ecosystem Approach to Fisheries management (E-EAFm) training course and E-EAFm Training of Trainers Course are rooted in, and closely follow the EAF Guidelines and Tools produced by FAO from 2003 onwards, through the EAF-Nansen Project (and tested and applied mainly in Africa and the Caribbean). In mid-2012, IMA International was invited to explore and coordinate the potential and opportunity for harmonizing or merging regional EAFm capacity development processes.

A first EAFm curriculum development 'writeshop' was held in November 2012 in Phuket, Thailand. This was followed by a second 'writeshop' in Manila, Philippines, in January 2013. A training package was produced and used as course material for a first "Essential EAFm" pilot-training and training-of-trainers in Kota Kinabalu, Malaysia, in June 2013. Based on the experience gained from this pilot training, the course material was further improved and finalized.

The drafting team for the original E-EAFm training handbook included Rusty Brainard (NOAA), Silvia Capezzuoli (IMA International), Simon Funge-Smith (FAO), Chris Grose (IMA International), Adel Heenan (NOAA), Rudolf Hermes (BOBLME), Paulo Maurin (NOAA), Megan Moews (NOAA), Chris O'Brien (BOBLME), Robert Pomeroy (USAID-CTSP) and Derek Staples (Fisheries Management Consultant). Nygiel Armada, Robert Pomeroy and Derek Staples drafted the original written modules for this course. Additional input was provided by Janna Shackeroff, Robert Schroeder, Jarad Makaiau and Max Sudnovsky (all NOAA) and Magnus Torell (SEAFDEC). Figures used and adapted with permission from the United Nations Environment Programme (UNEP) and the International Collective in Support of Fishworkers (ICSF).

The original coastal/marine-focussed E-EAFm has been modified for application in a number of countries and regions by FAO, SEAFDEC, The Nature Conservancy and USAID funded projects.

The modification for application of the E-EAFm handbook and training materials to inland fisheries contexts, was undertaken by Simon Funge-Smith (FAO), Rick Gregory (FAO), John Jorgensen (FAO) and Silvia Capezzuoli (IMA International) during 2018-19.

The EAFm Inland fisheries training course was piloted in Mangochi, Malawi in March 2019 and the material finalized in May 2019.

ABSTRACT

This Ecosystem Approach to Fisheries management training course (Inland Fisheries) is designed as a complete training course for the sustainable management of inland fisheries using the ecosystem approach. It is targeted at middle-level fishery and environment officers, extension workers, facilitators and other stakeholders engaged in the planning and management of inland fisheries.

This training course is designed to be applicable to many inland fishery contexts around the world (including overlapping freshwater fishery and aquaculture systems). It is also intended to be adapted to suit specific local contexts.

This the first of three volumes, developed for the training course:

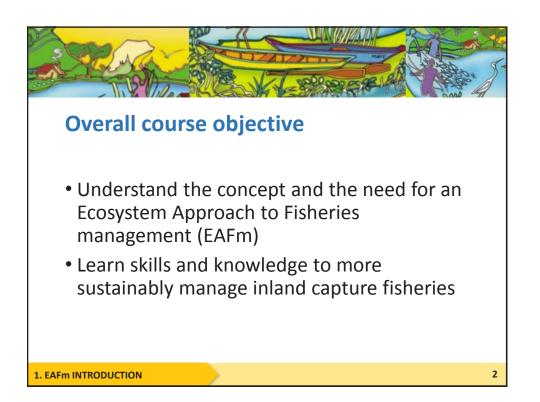
VOLUME 1: HANDBOOK FOR TRAINEES VOLUME 2: INLAND FISHERY CASE STUDIES VOLUME 3: TRAINING COURSE PRESENTATIONS & VISUALS VOLUME 4: TRAINING SESSION PLANS

This volume is VOLUME 3: TRAINING COURSE PRESENTATIONS & VISUALS and contains the presentations for the training course. It also includes a series of visual aids used in the training room during the course.

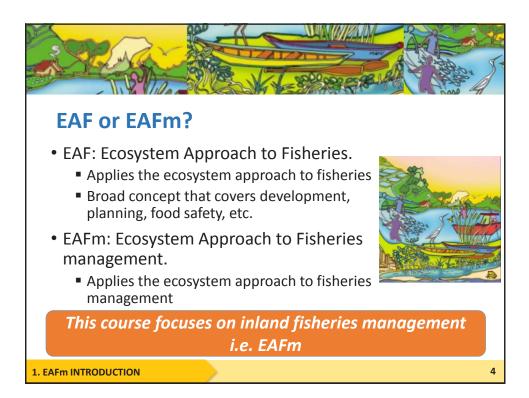
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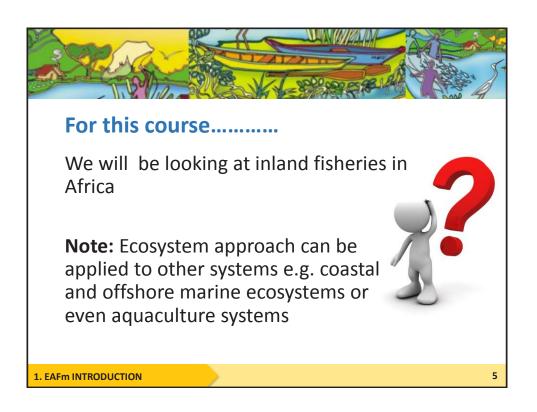
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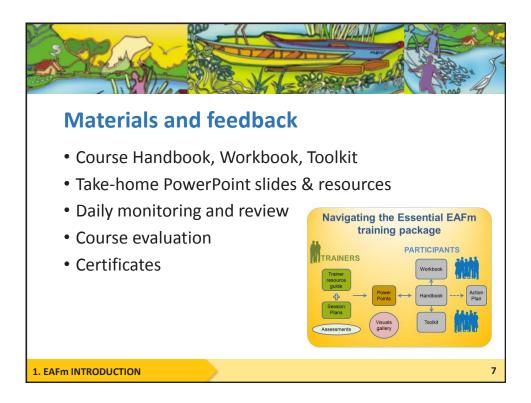








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progress					Homework: Presentation preparation	





Learning new skills and elaborating on what you already know

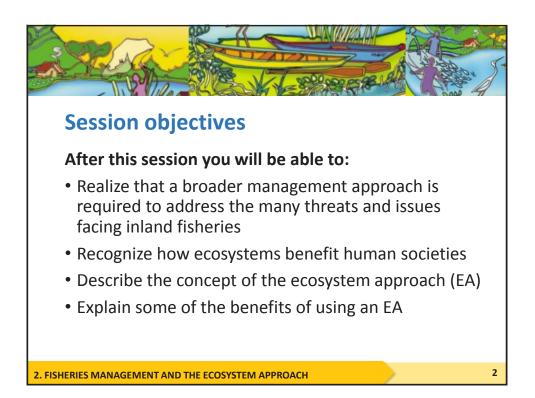
- Reading, seeing, listening and questioning
- Hands-on activities and exercises and relating to your own experience
- Sharing tips and experiences
- Having fun!
- Useful resource for EAFm = FAO EAFNet online Toolkit http://www.fao.org/fishery/eaf-net/topic/166272/en



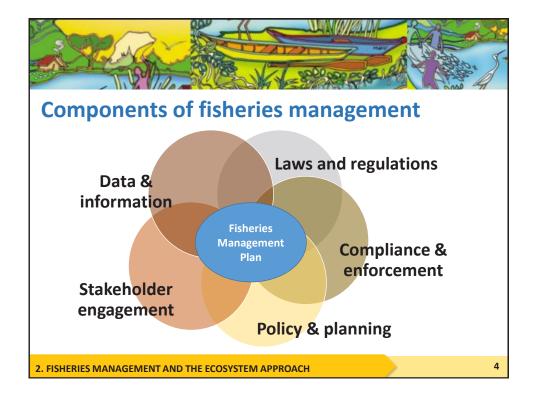


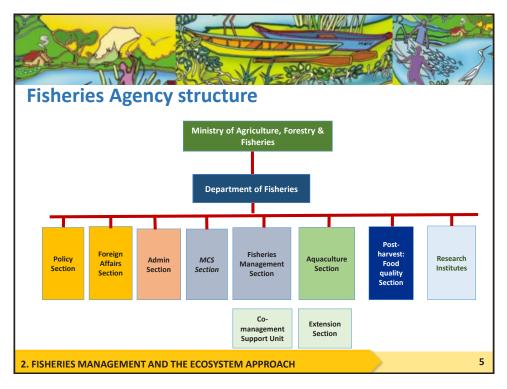




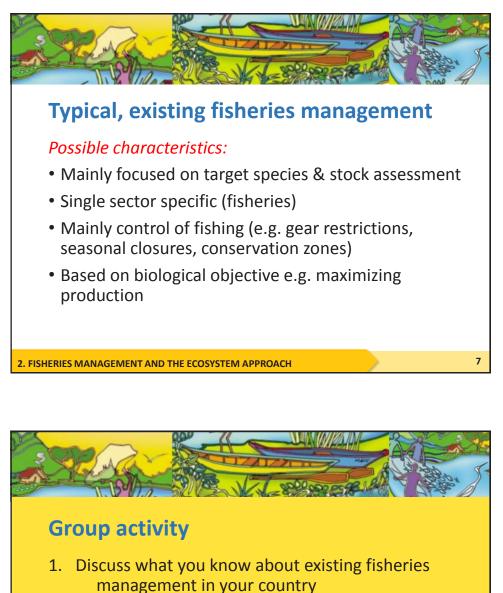












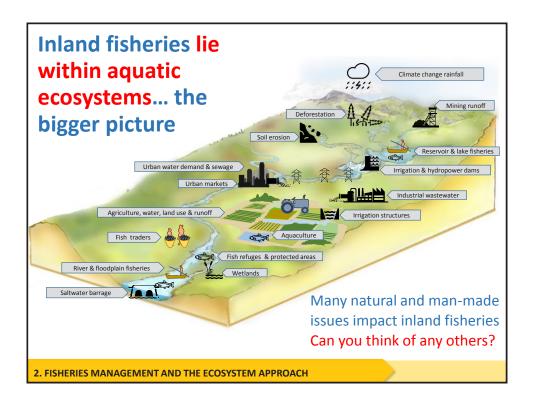
- 2. Sort the threats and issues identified earlier into:
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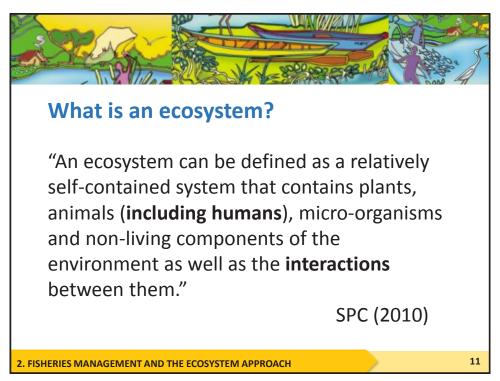
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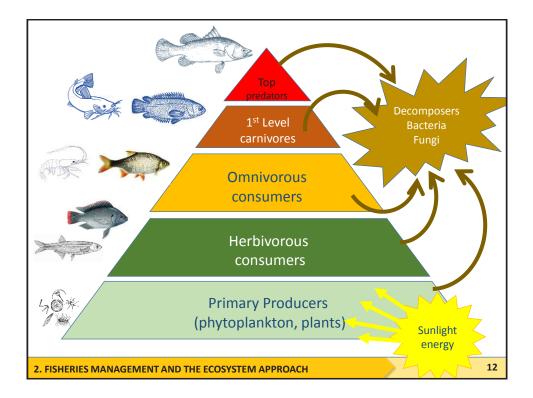
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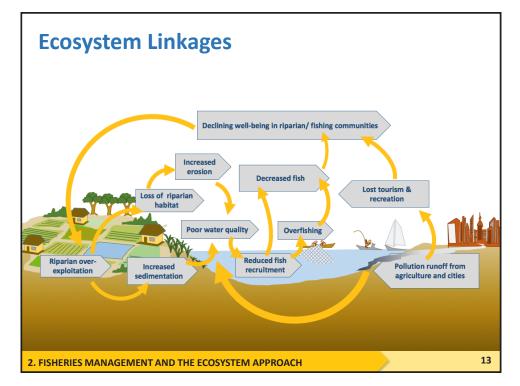
2. FISHERIES MANAGEMENT AND THE ECOSYSTEM APPROACH

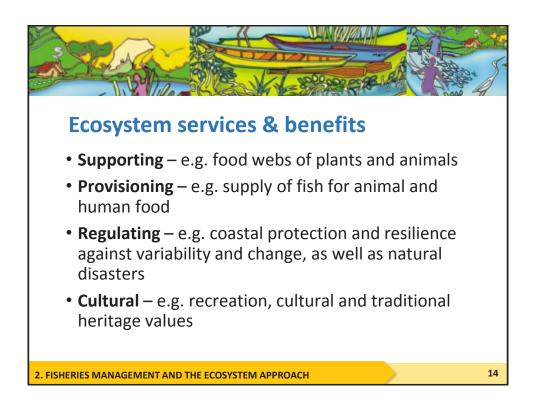


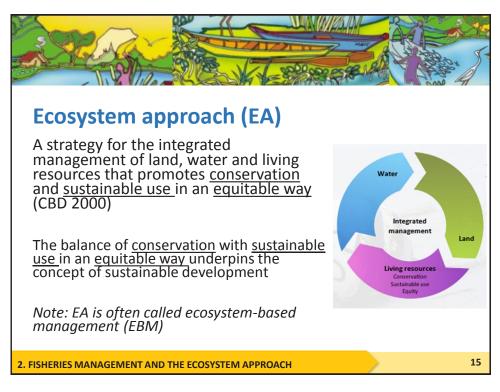


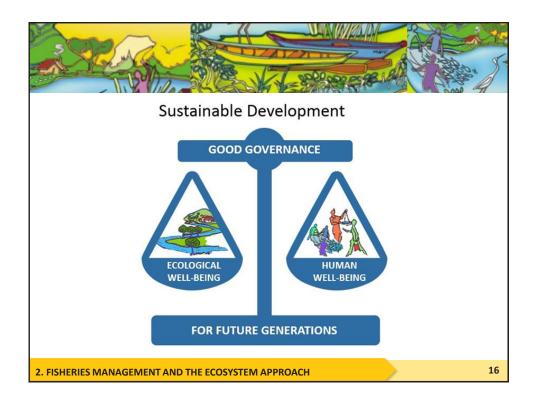


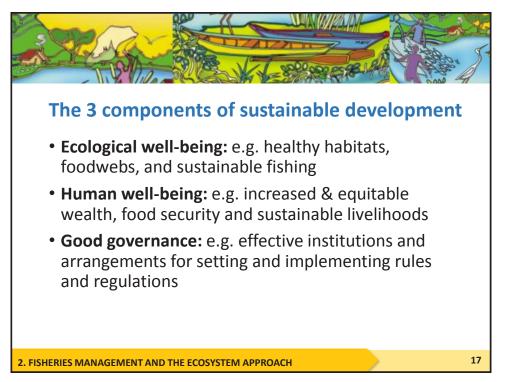






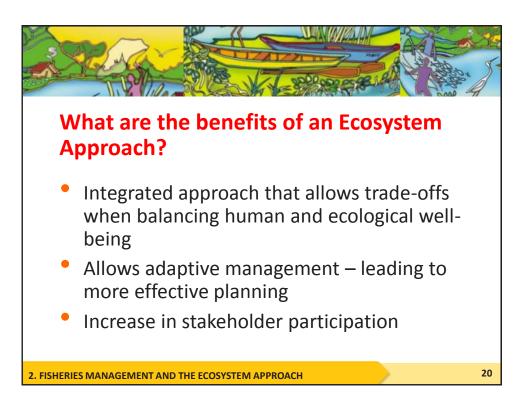


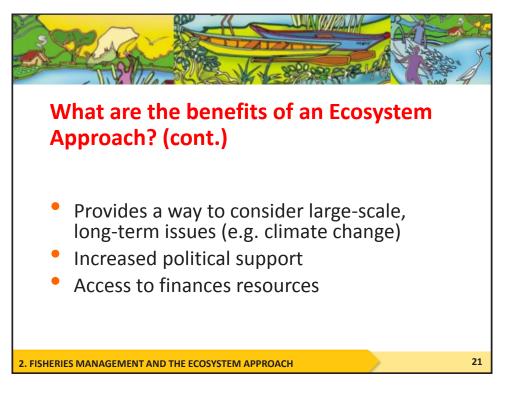


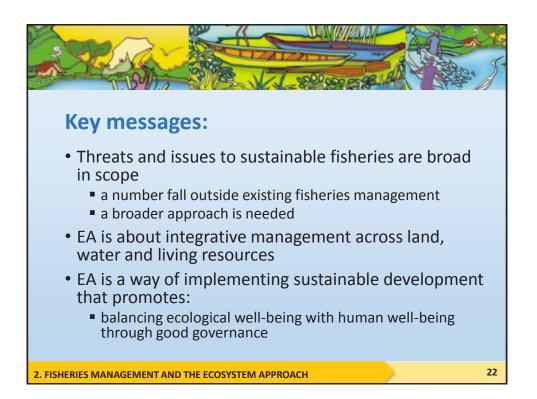


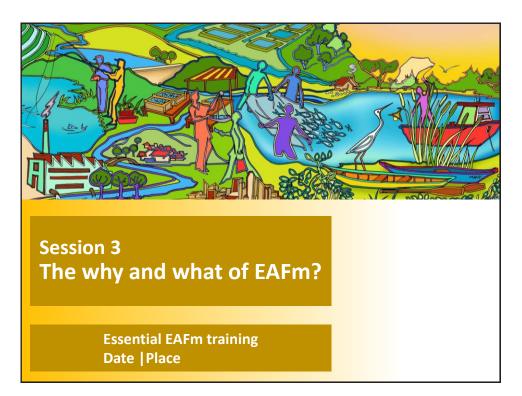


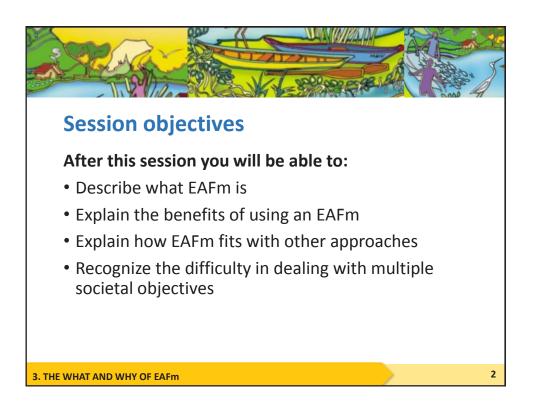


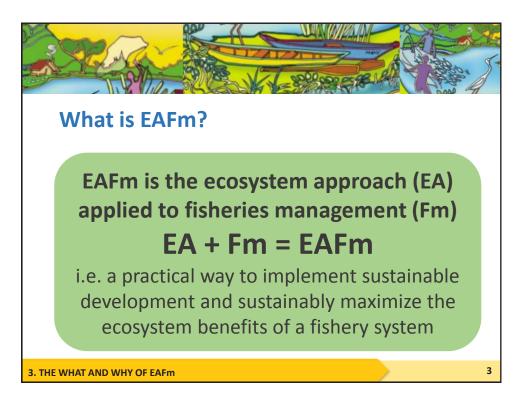


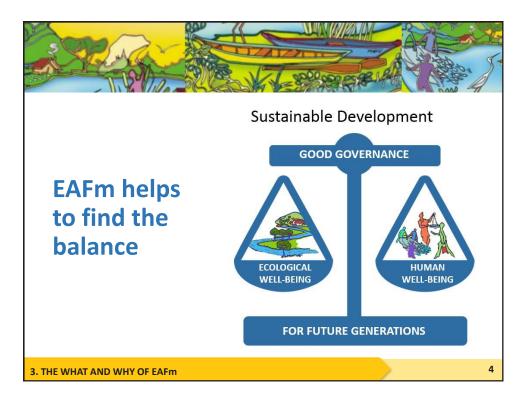


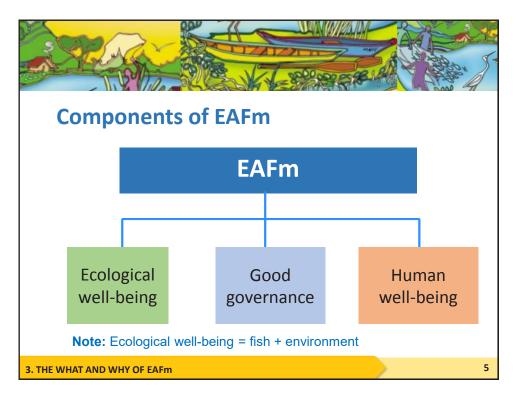


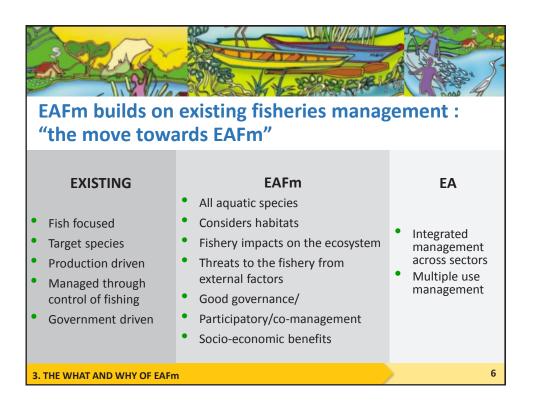


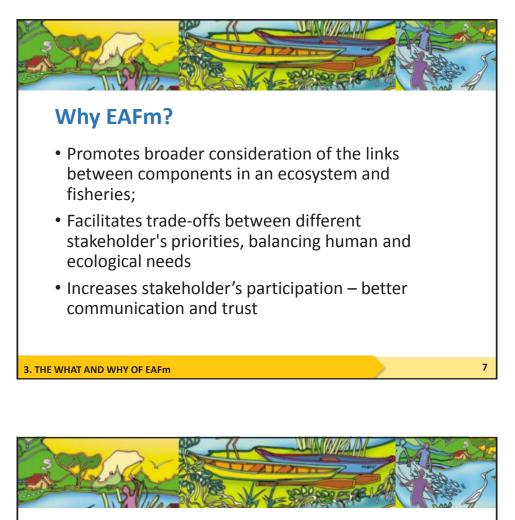








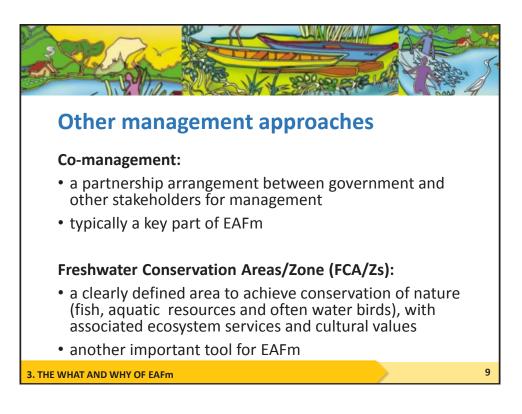


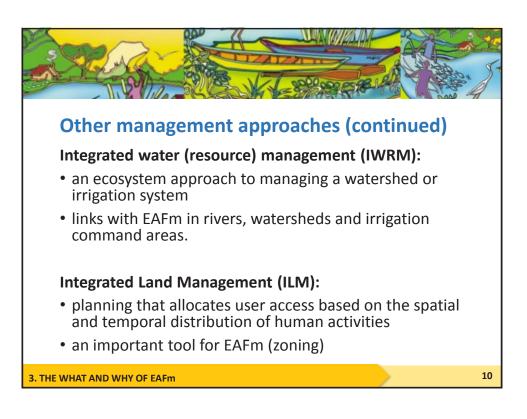


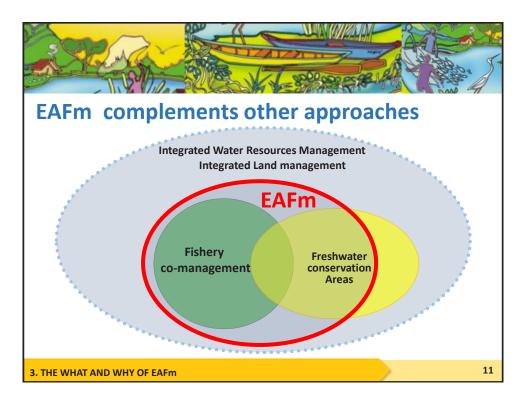
Why EAFm? continued...

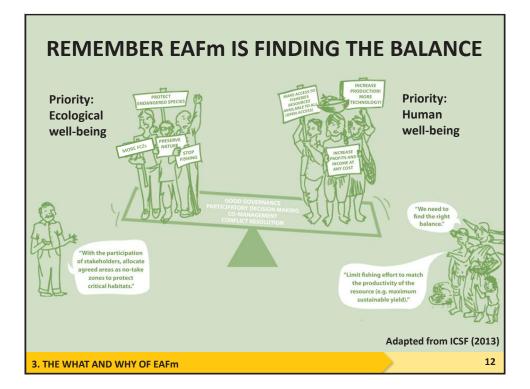
- Enables recognition of larger-scale, longer-term issues and their solutions
- Increases support for better governance
 Can lead to better compliance and enforcement
- Reduces conflicts, especially between different fishery sub-sectors and other sectors
- Helps access to financial resources for fisheries
 - Good planning and momentum fosters support from governments, donors and NGOs

8

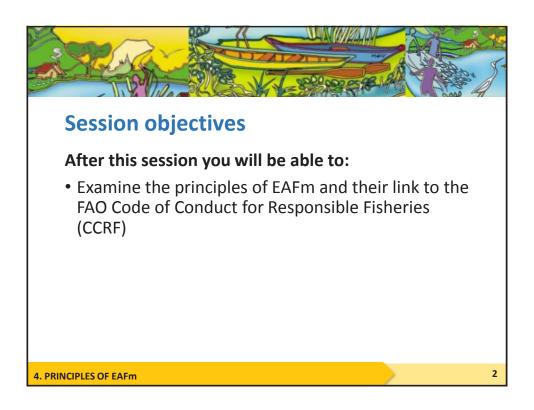


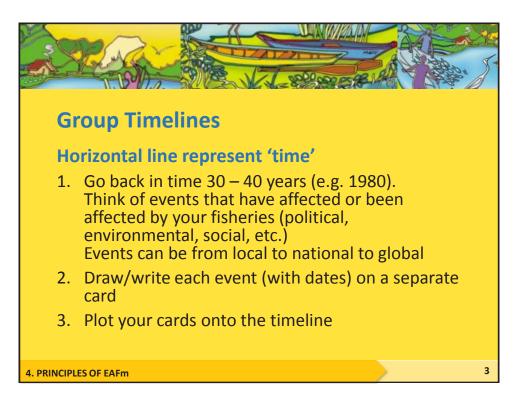


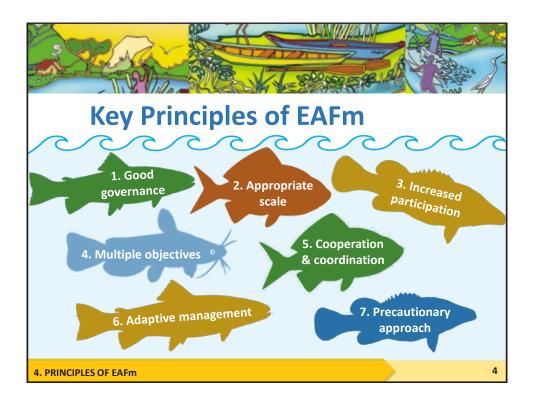


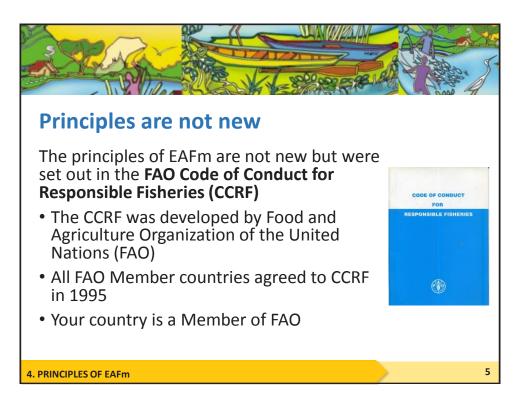


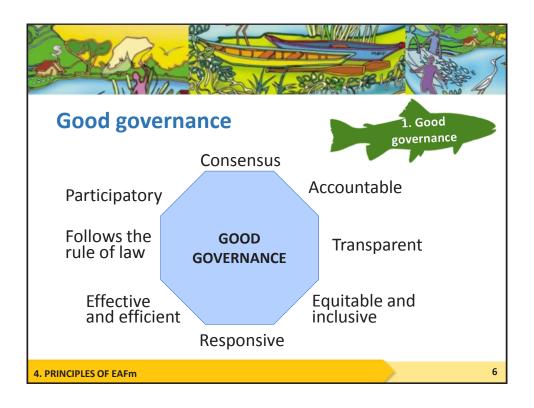


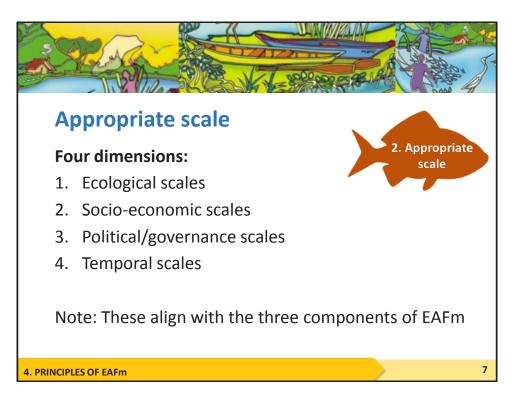


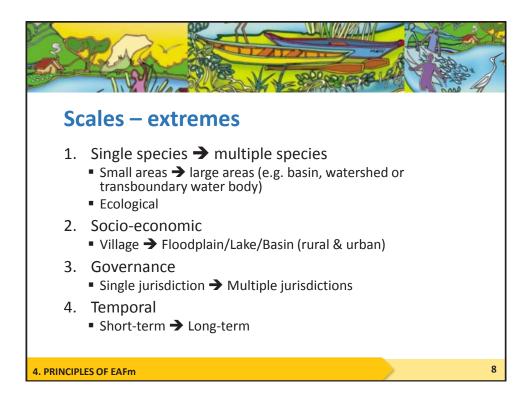




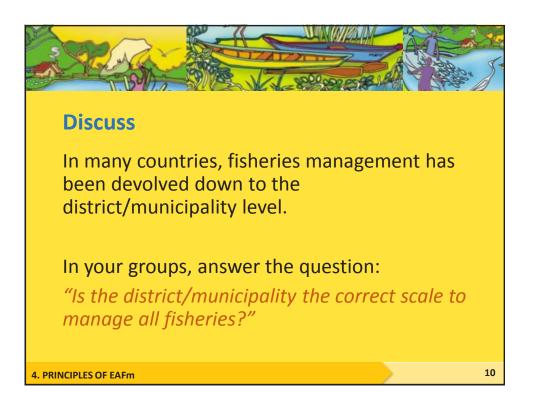




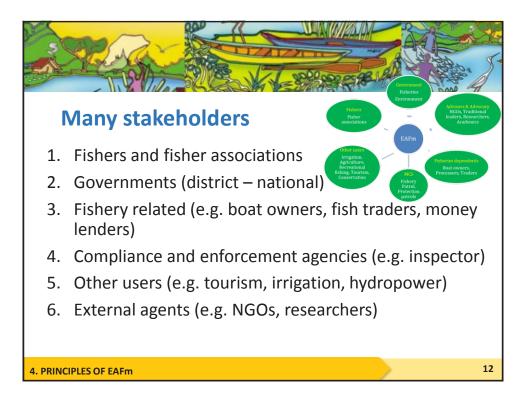


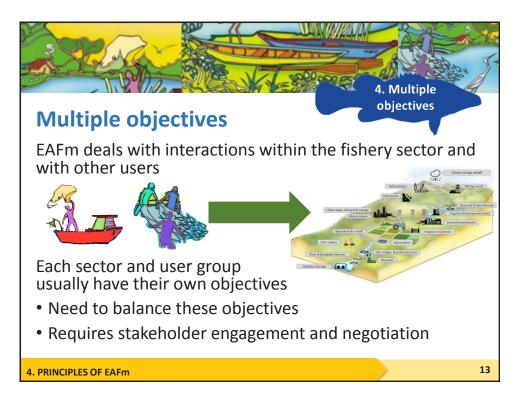


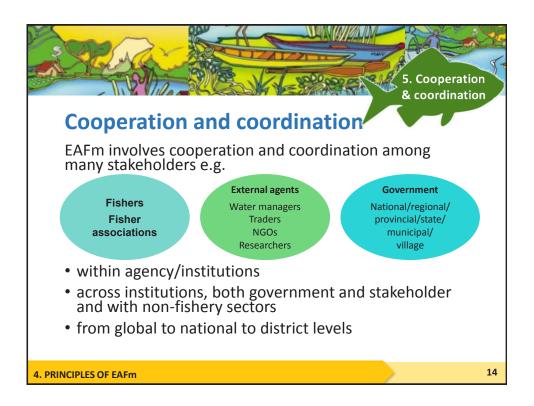


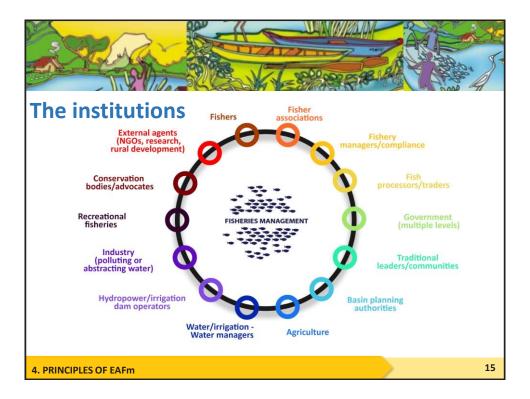




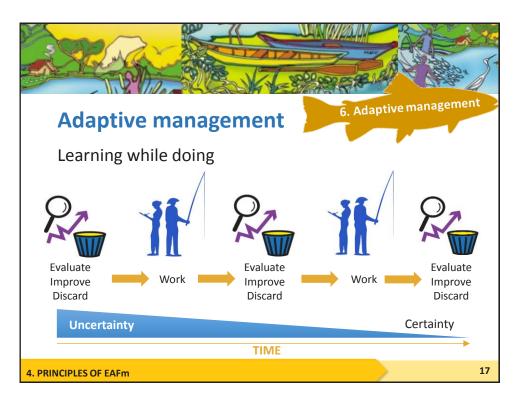


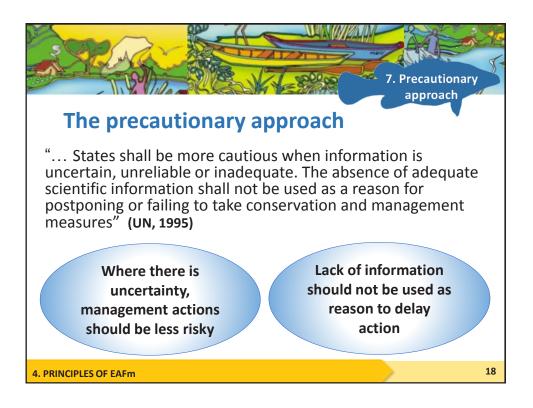


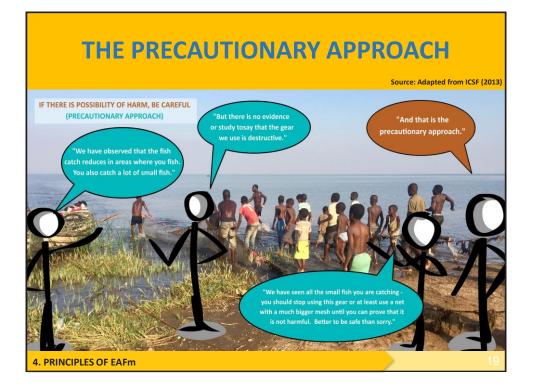






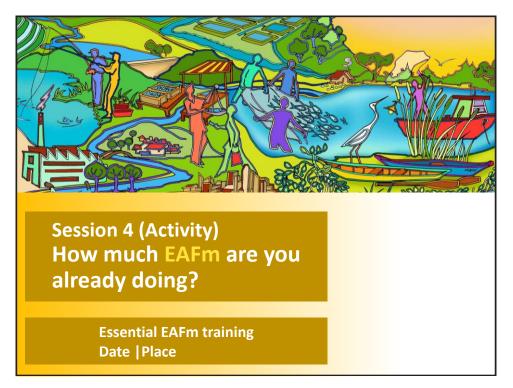


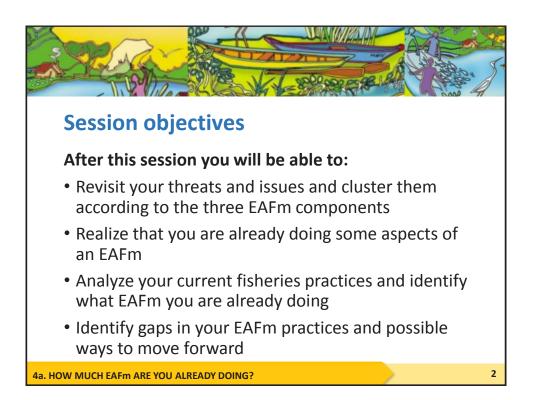






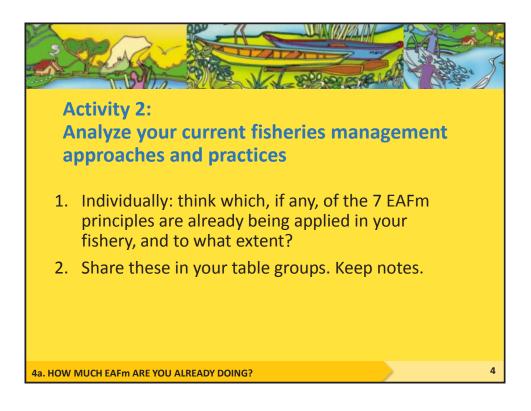
SESSION 4: (ACTIVITY) HOW MUCH EAFM ARE YOU ALREADY DOING?



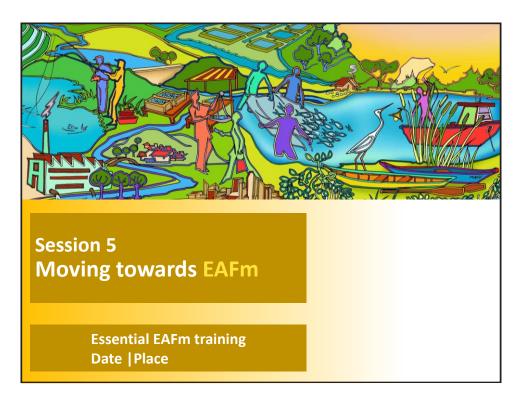


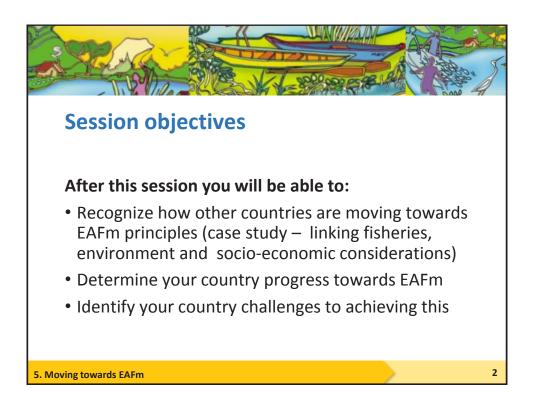
SESSION 4: (ACTIVITY) HOW MUCH EAFM ARE YOU ALREADY DOING?



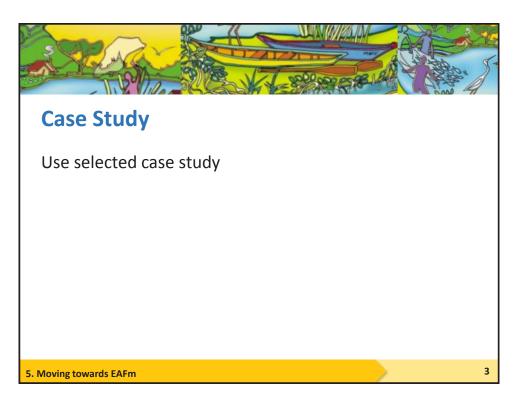


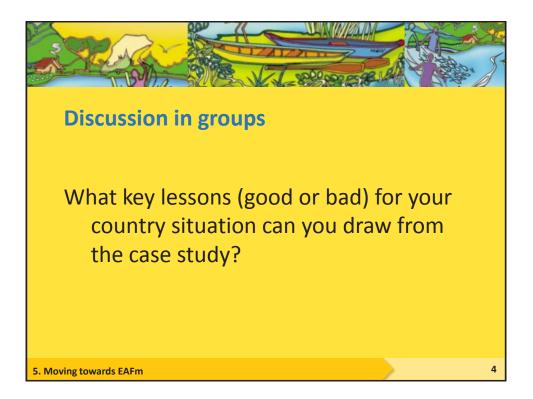
SESSION 5: MOVING TOWARDS EAFM



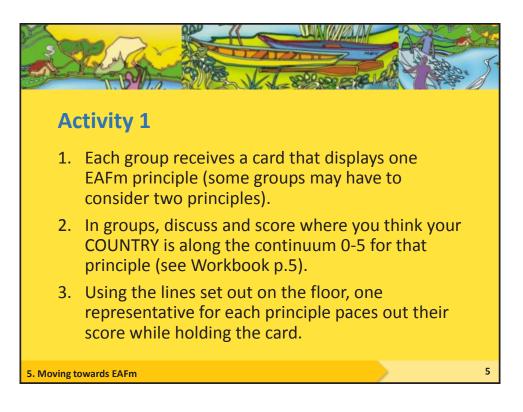


SESSION 5: MOVING TOWARDS EAFM



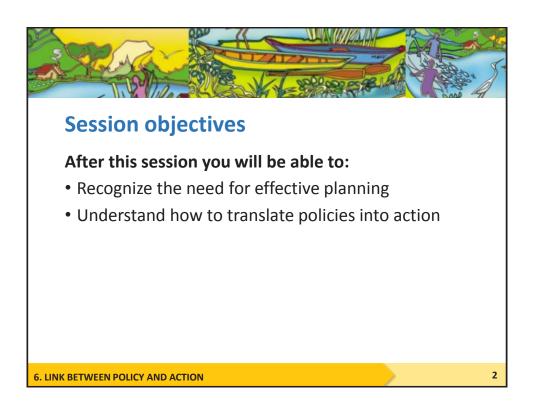


SESSION 5: MOVING TOWARDS EAFM

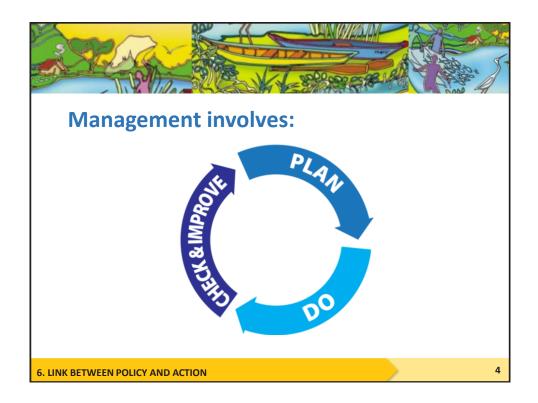


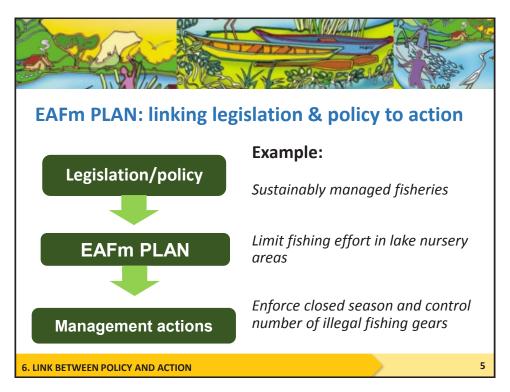






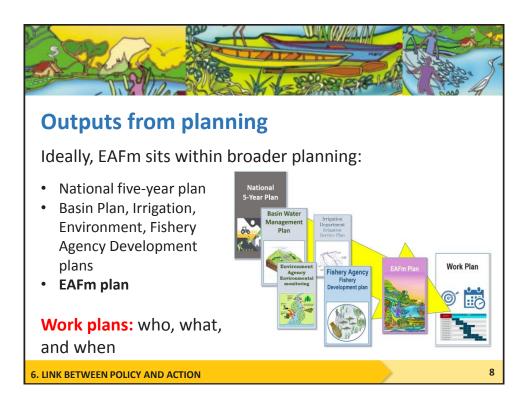


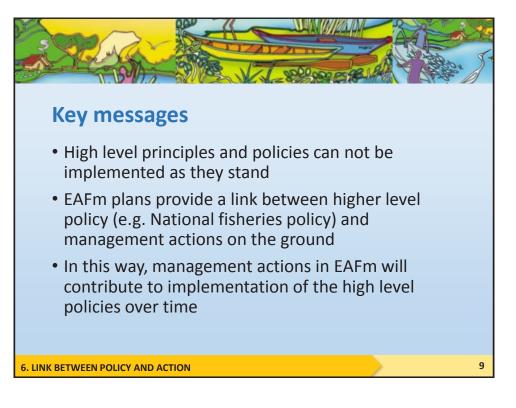


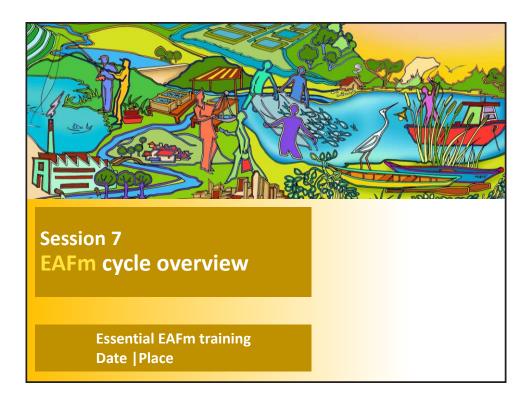


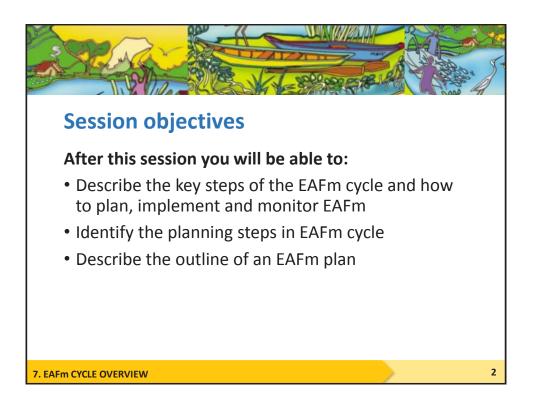


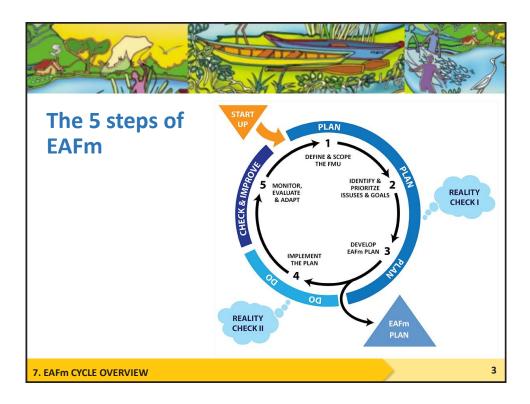


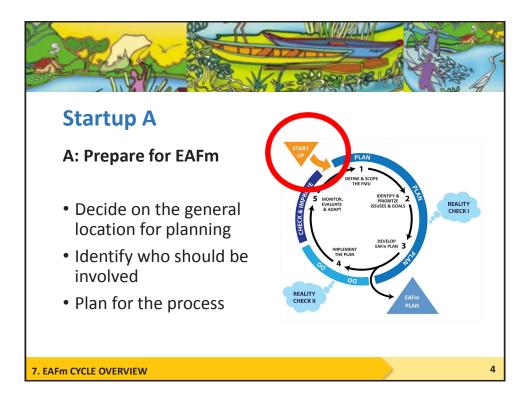


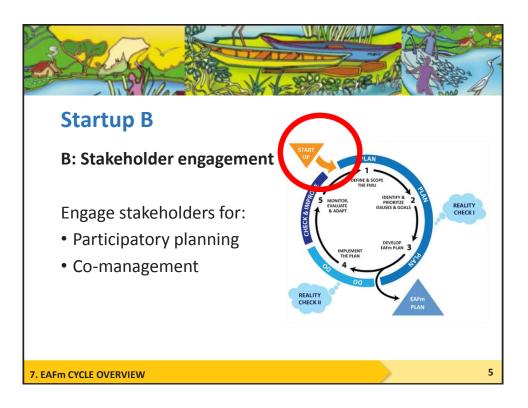


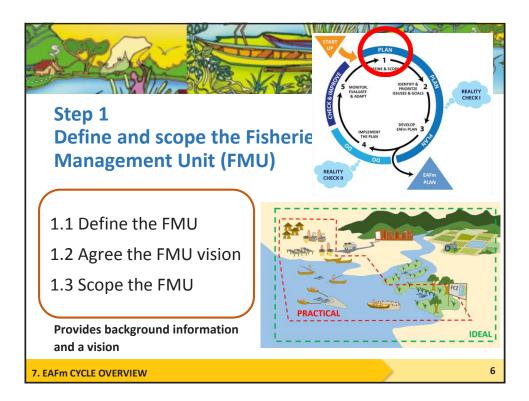


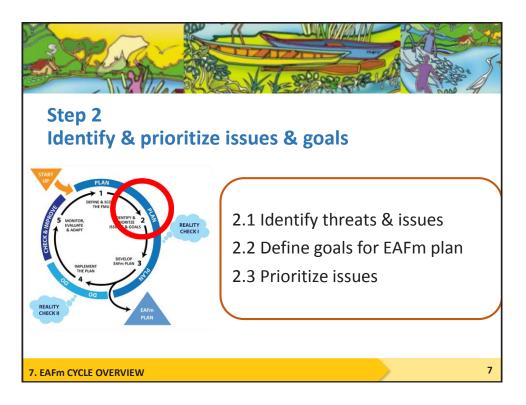


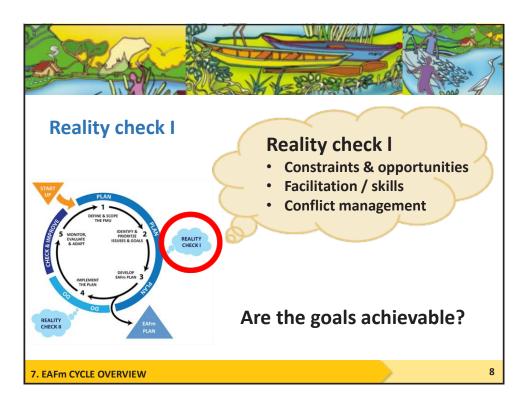


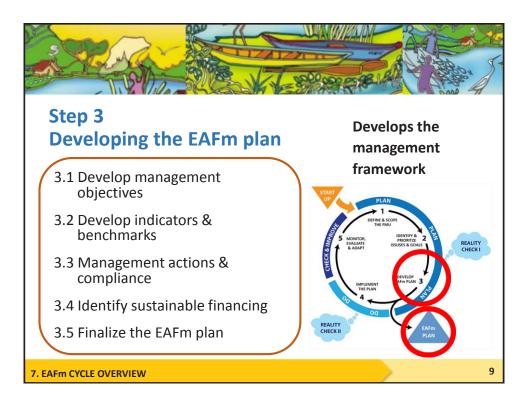


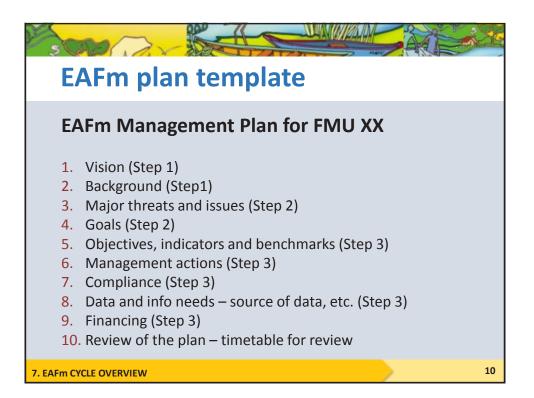


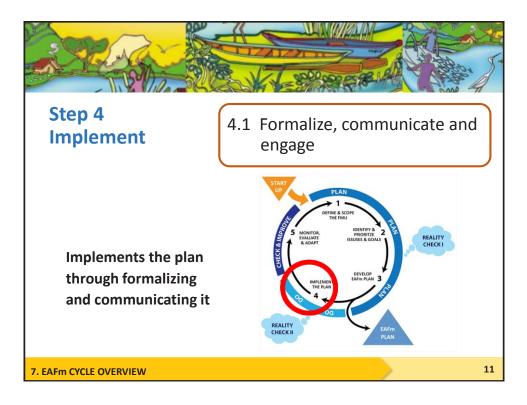


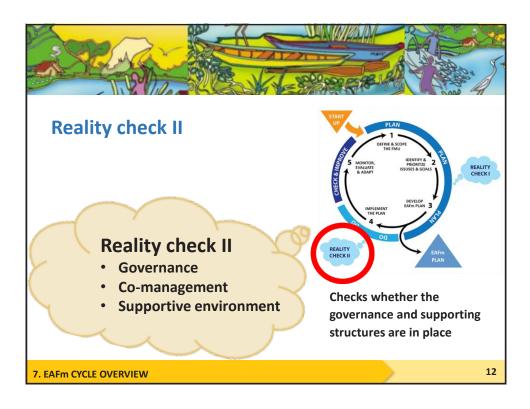


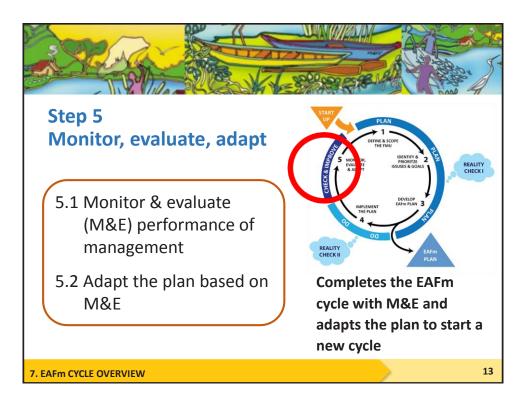


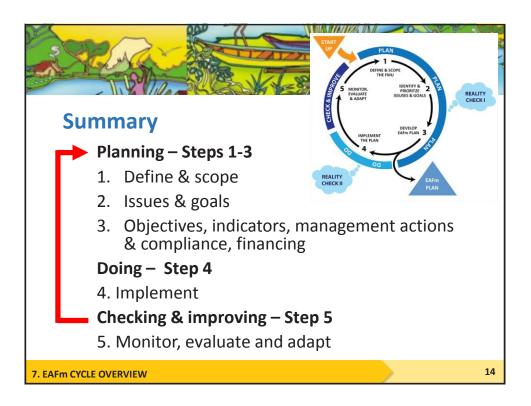






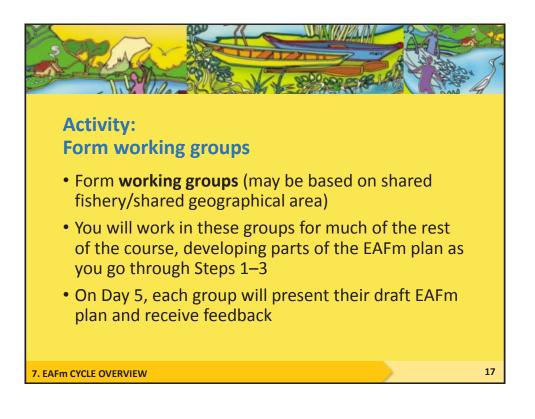




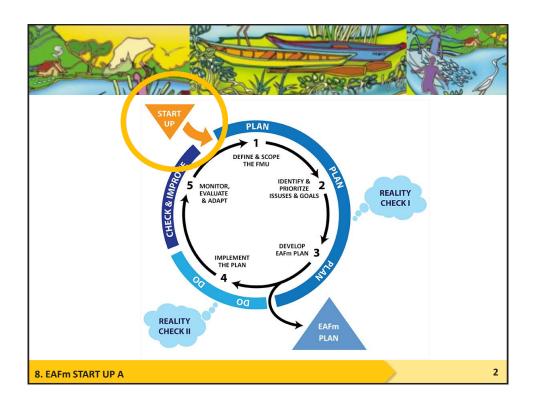


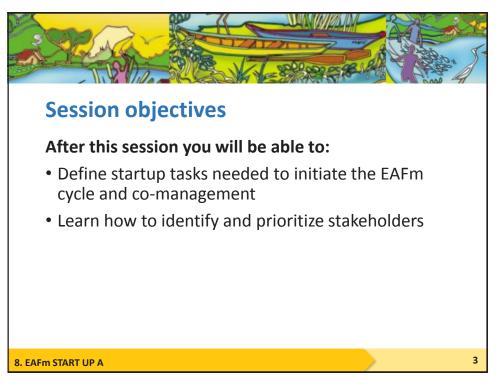




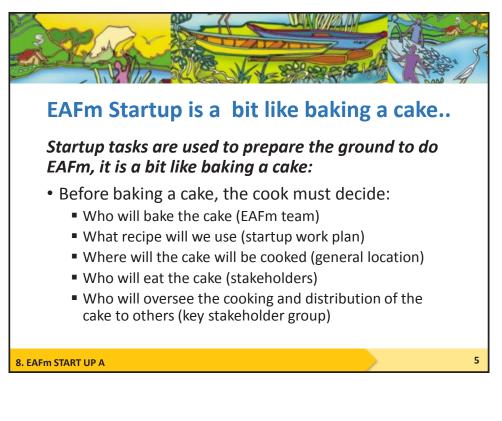


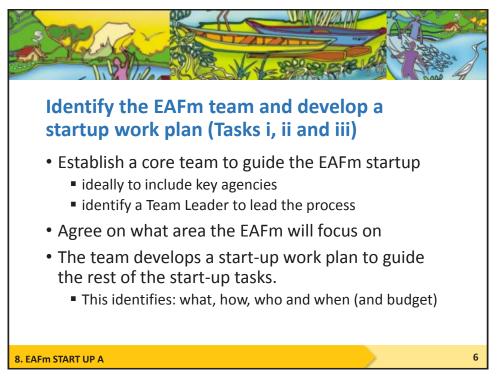


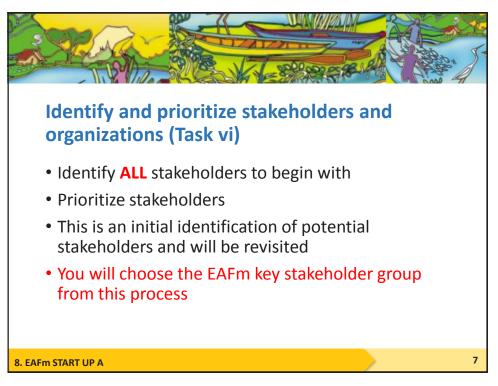


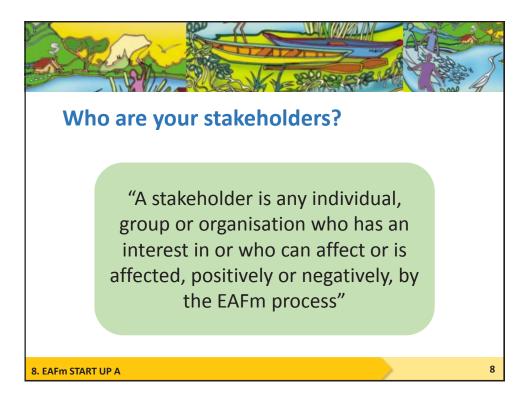


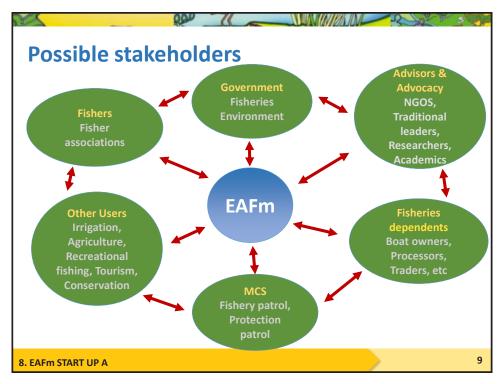


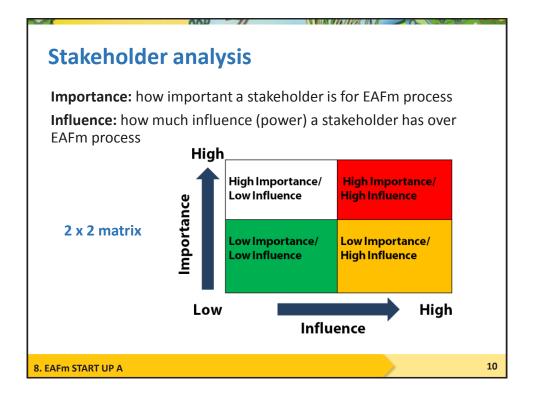




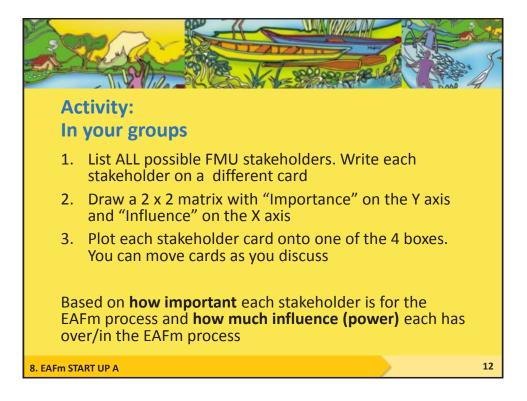


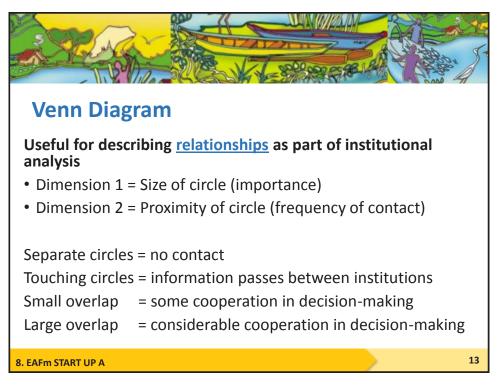


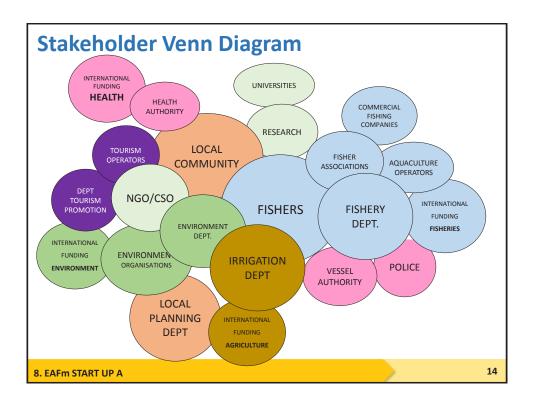




Prioritizing stakeholders	
High Importance & Low Influence	High Importance & High Influence
Need to be represented	Key stakeholders for EAFm Need to be included in the key stakeholder group
Not likely to be interested	Need to get them to 'buy in' into EAFm process,'
Low Importance & Low Influence	Low Importance & High Influence
. EAFm START UP A	1



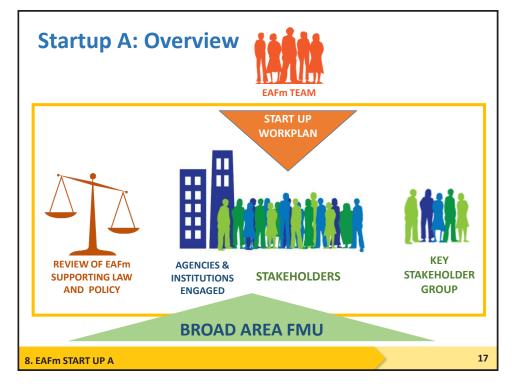


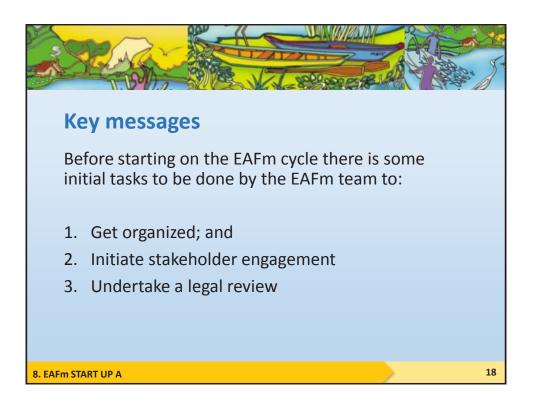


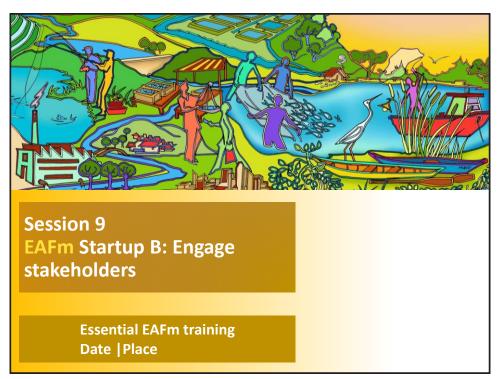


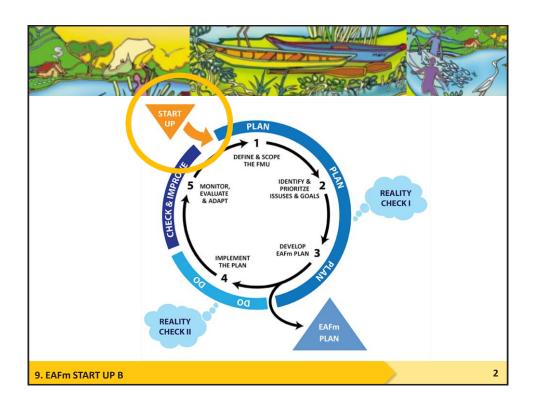


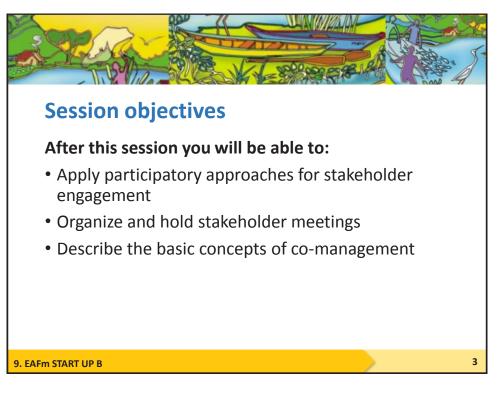
SESSION 8: EAFM STARTUP A: PREPARING FOR EAFM

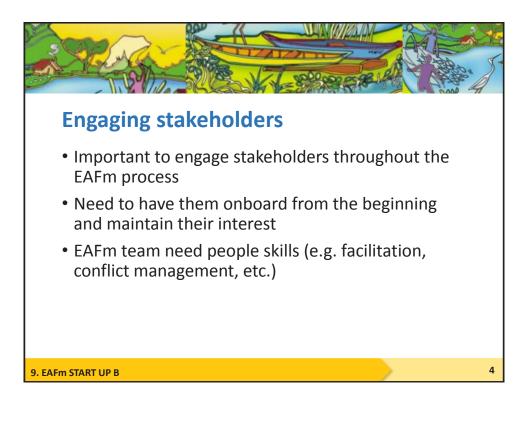




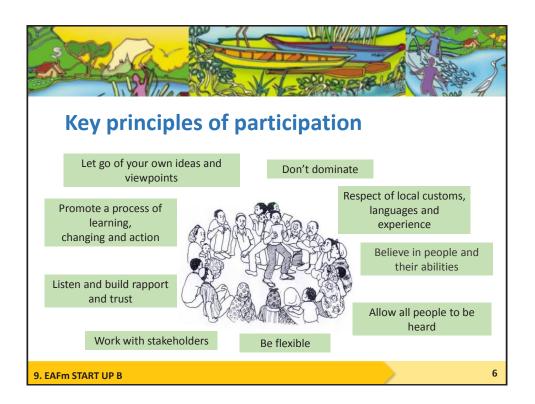


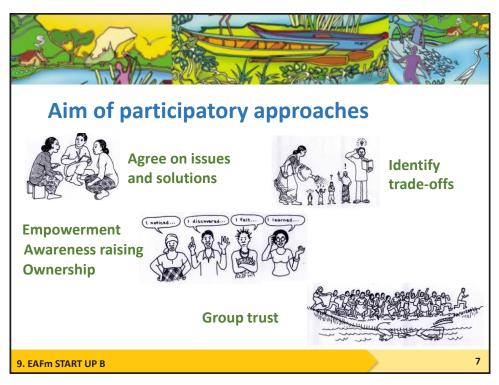










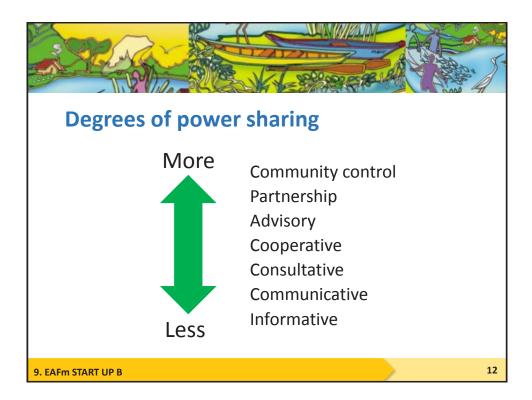
















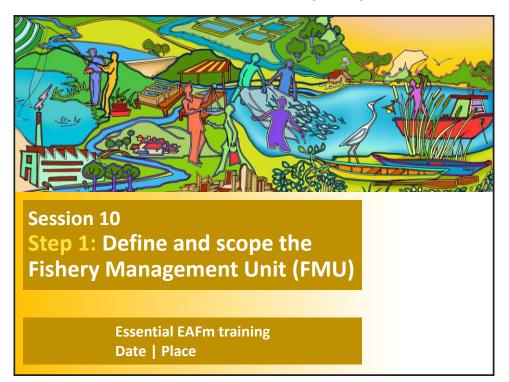


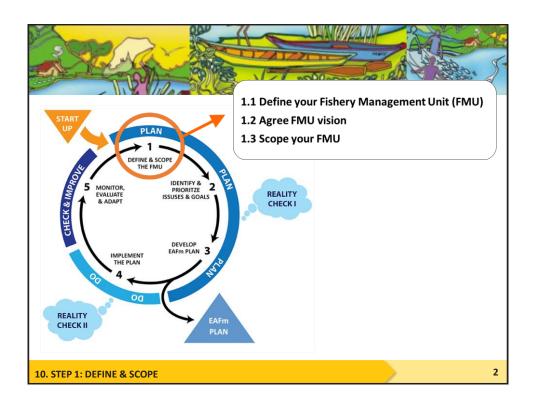


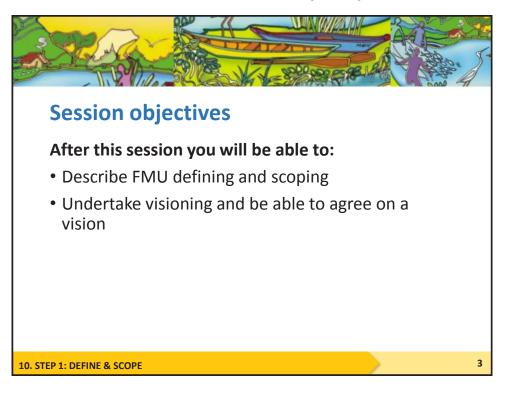
	Assess stakeholder interest and commitment Stakeholders will have different levels of interest in the process					
		Some awareness of problems with fisheries	Concern about these problems	Willingness and ability to take action to solve these problems	Action needed	
S	Stakeholder 1		Х			
S	Stakeholder 2			Х		
S	Stakeholder 3	х				
9. EAFm START UP B						17

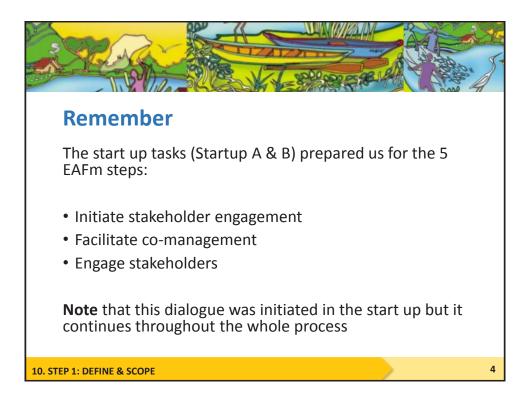


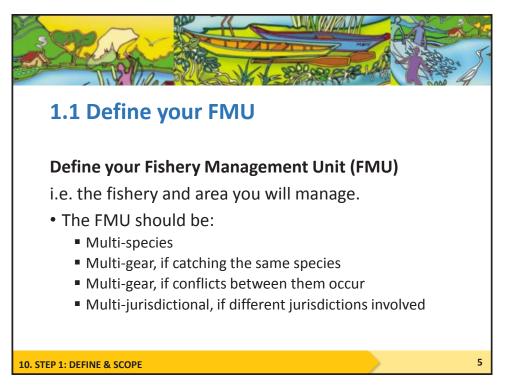


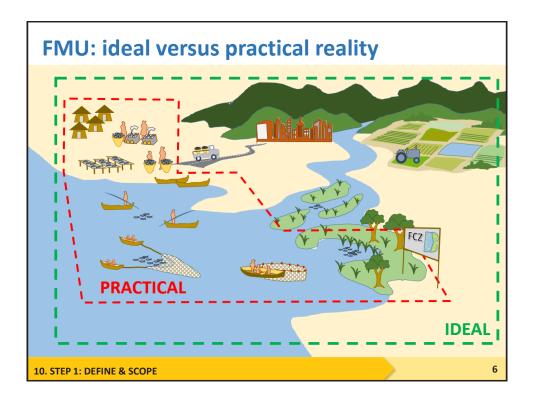


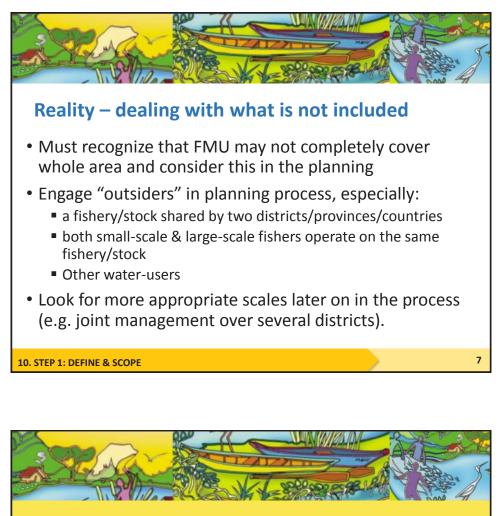










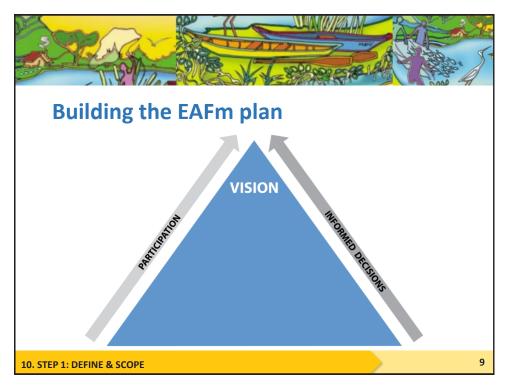


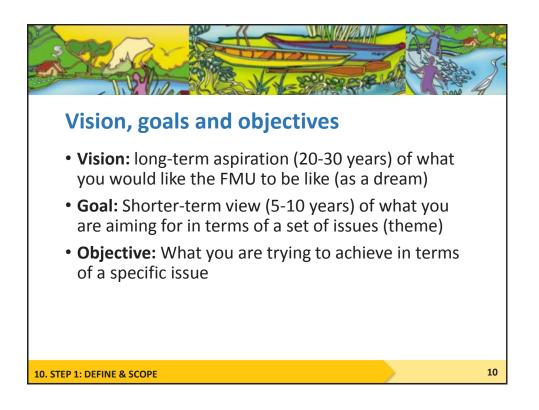
Activity: In your groups

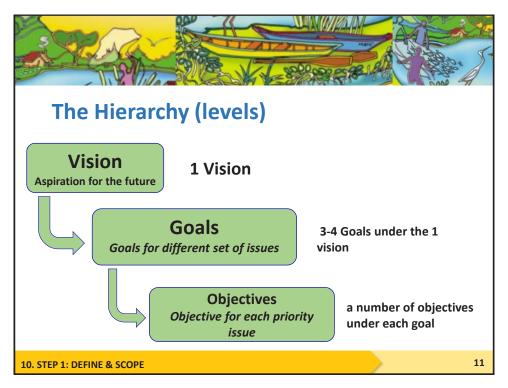
Create a map of your FMU area, including:

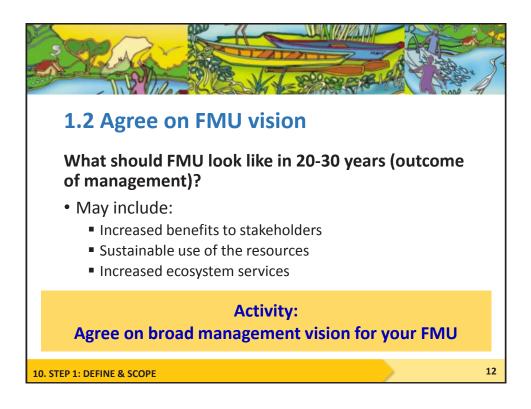
- Ecological boundaries
 - Barriers, flooding/dry-out areas, water inflows, sources of pollution
- Habitat areas
 - breeding grounds, spawning areas, conservation sites, deep pools/refuges
- Social boundaries
 - e.g. communities, landing sites, taboo areas, conflict points, etc.
- Political jurisdictional boundaries
 - including national/province/district jurisdictions

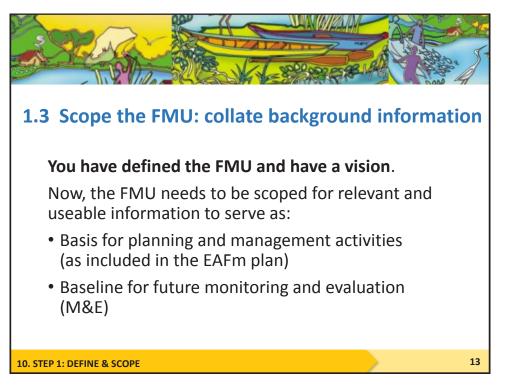
10. STEP 1: DEFINE & SCOPE

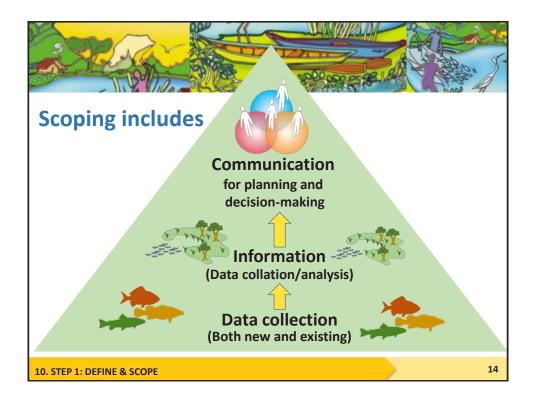


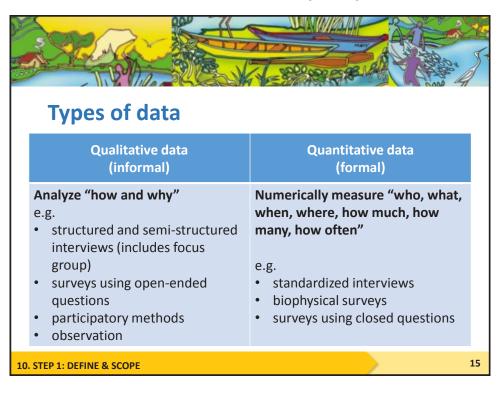


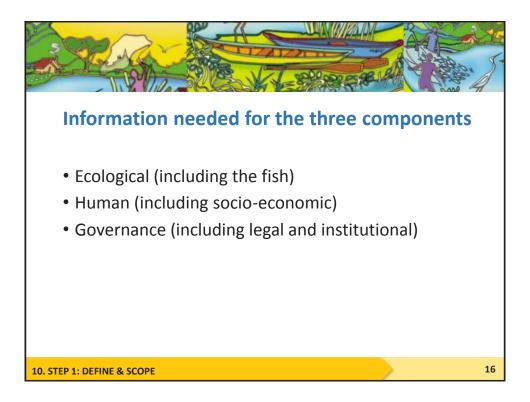


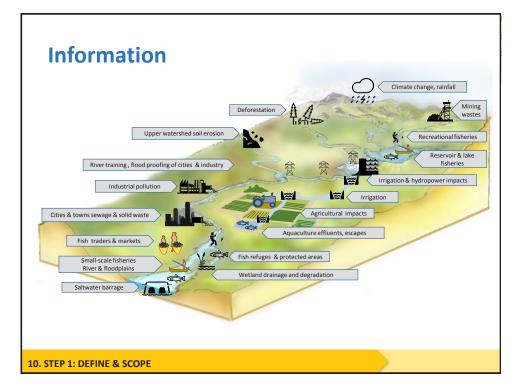




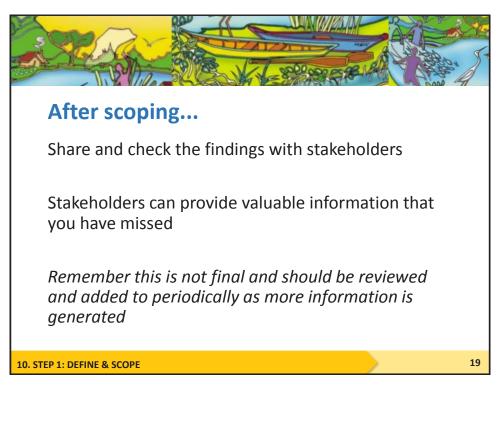


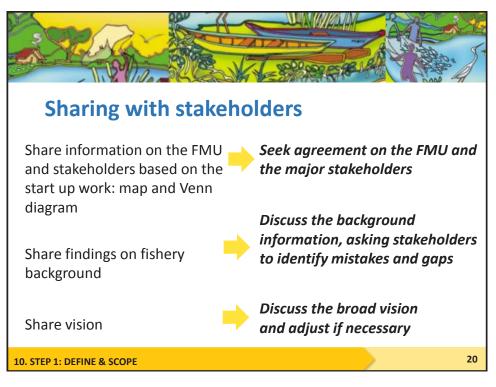


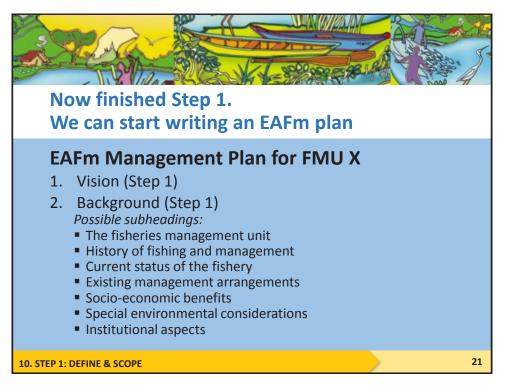


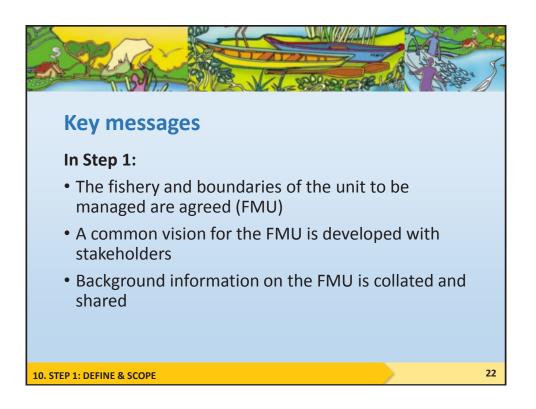


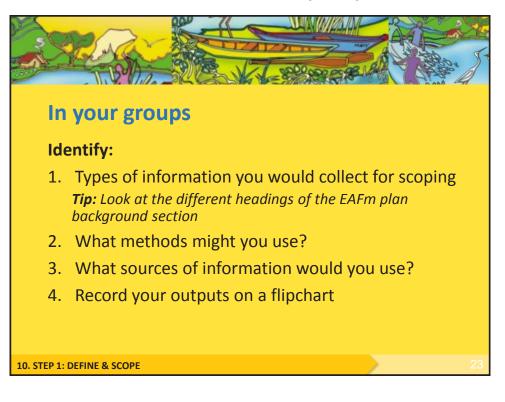




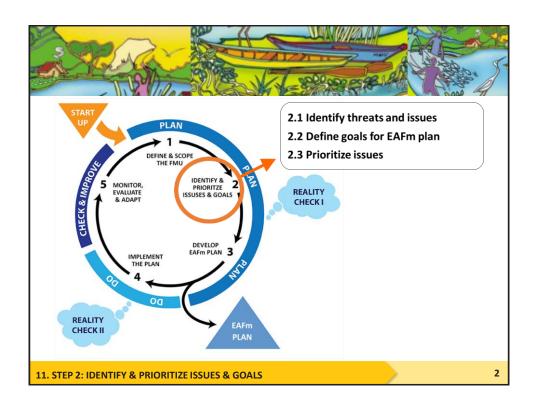


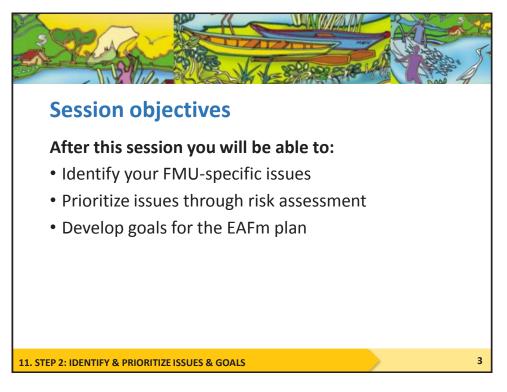


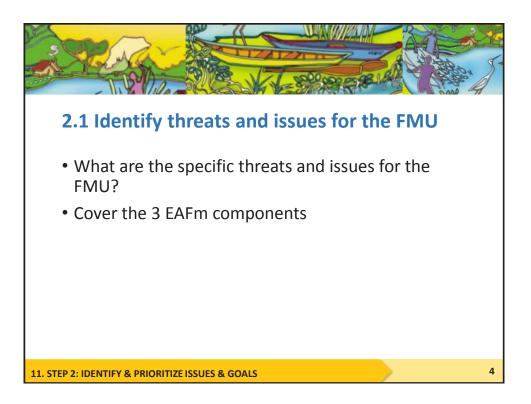


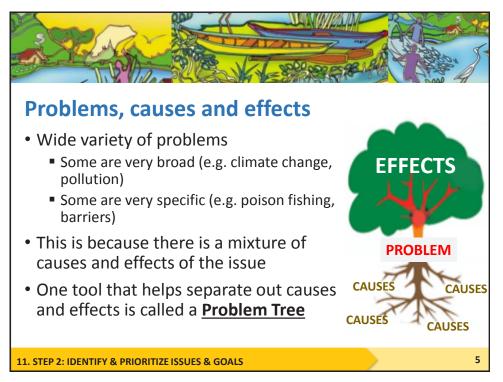


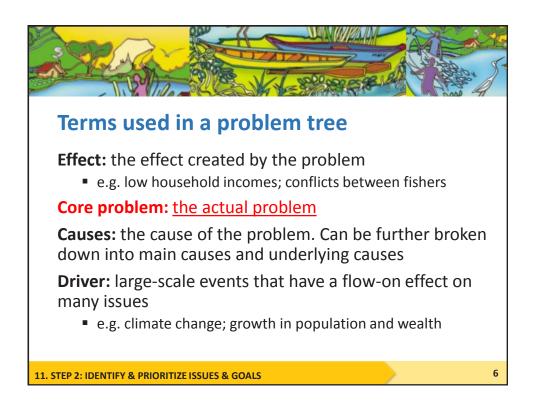


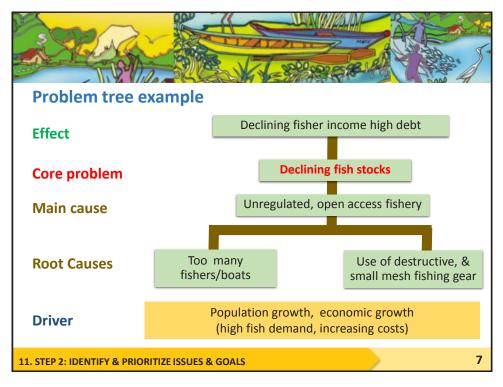


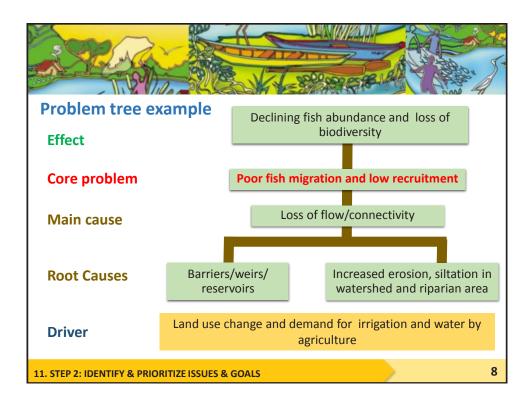


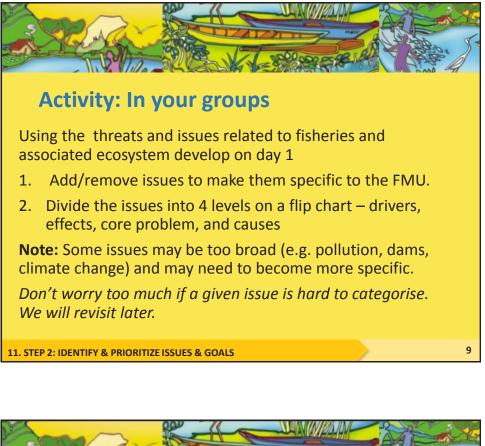


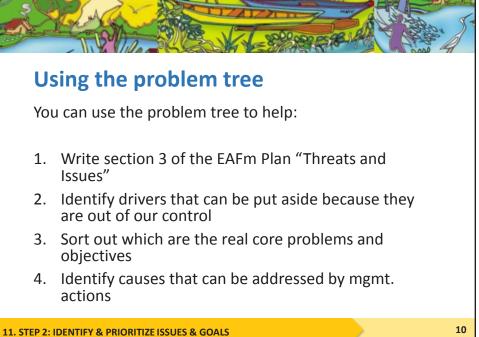


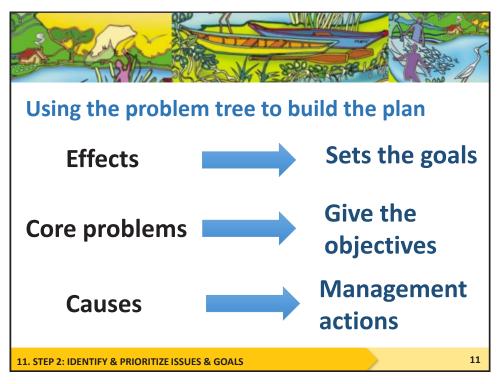


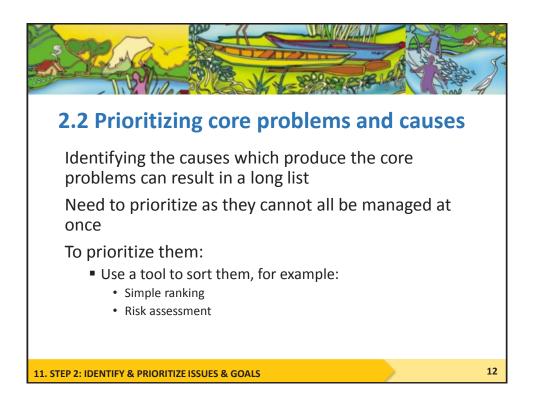


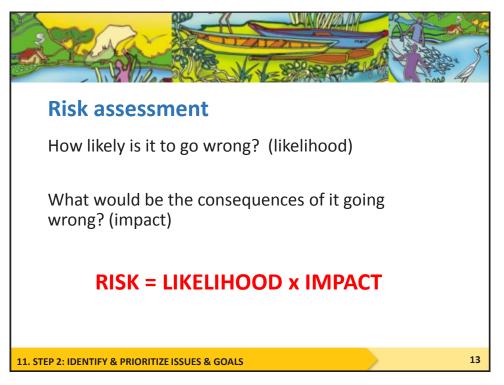


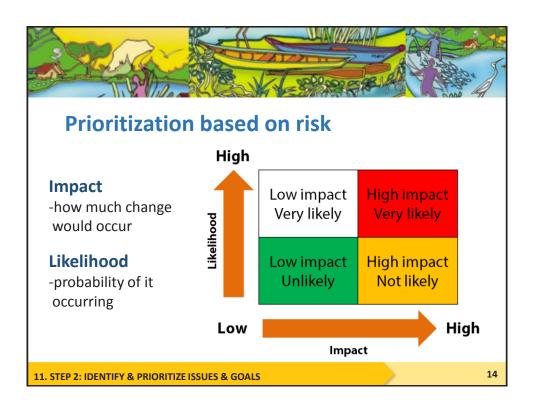


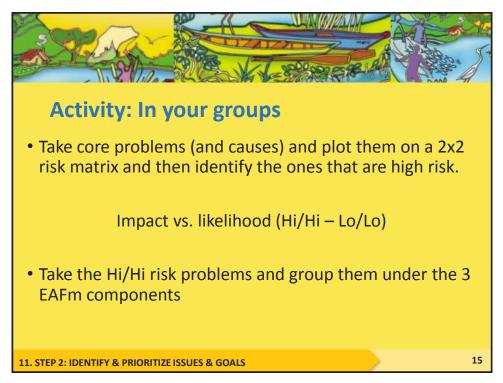


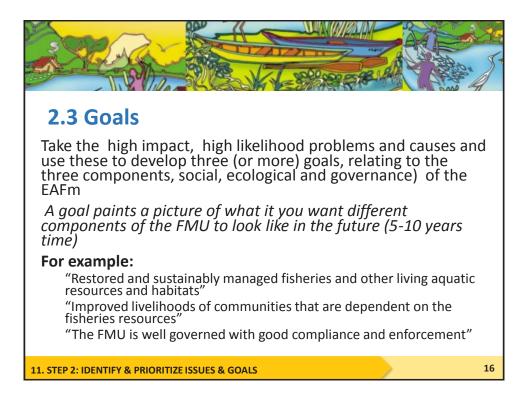


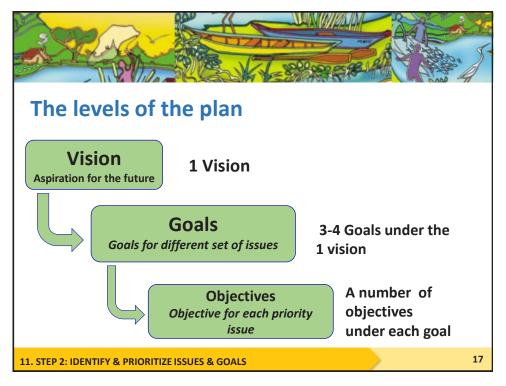


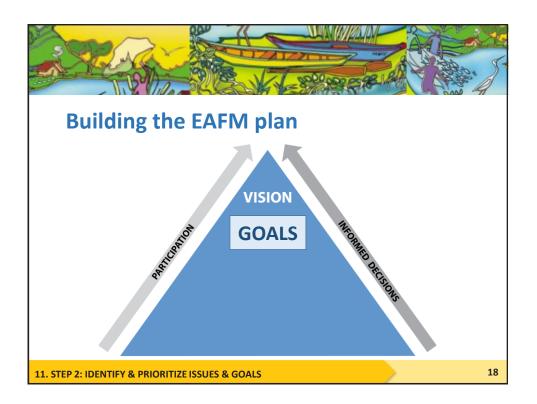


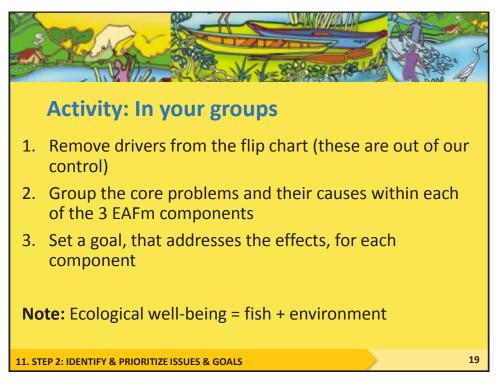


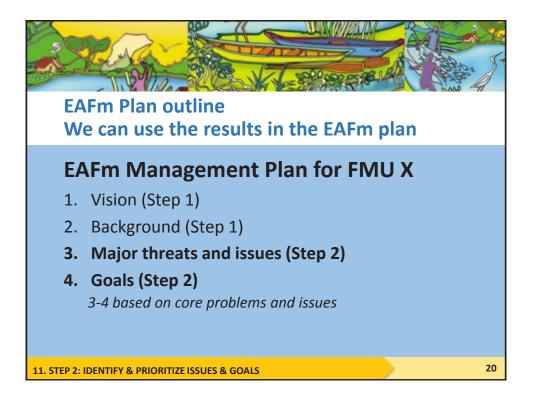


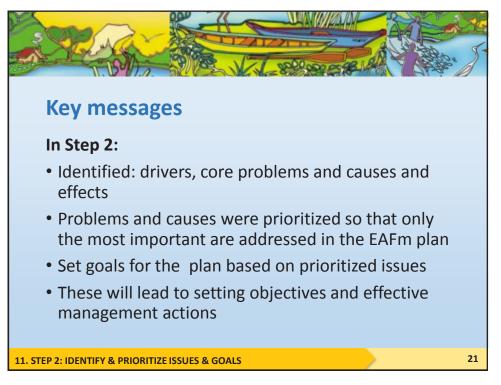


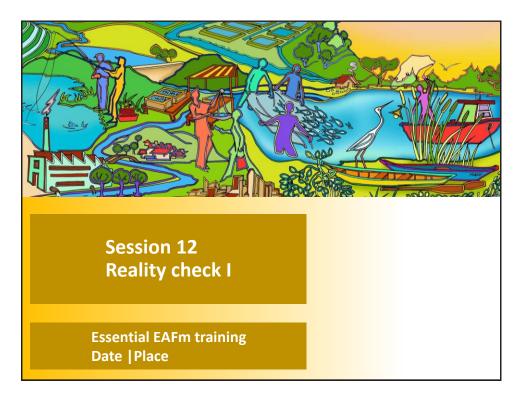


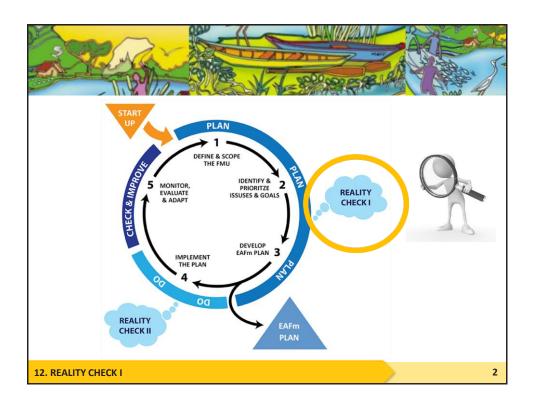






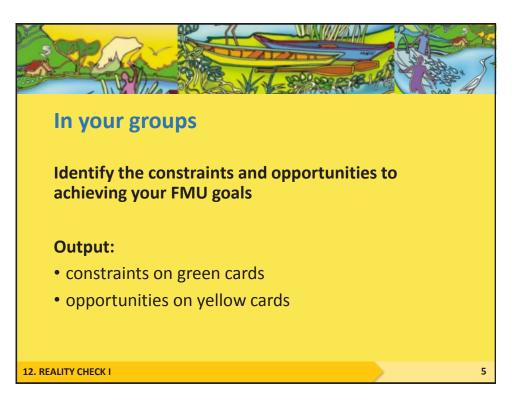


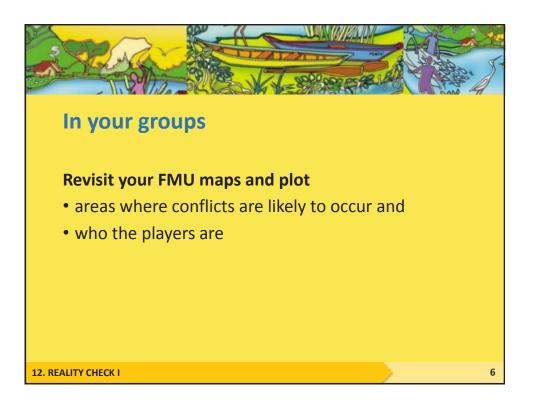






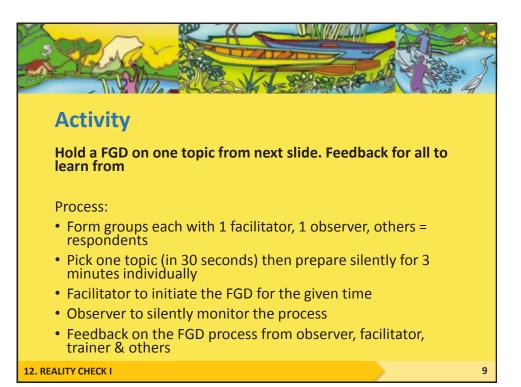


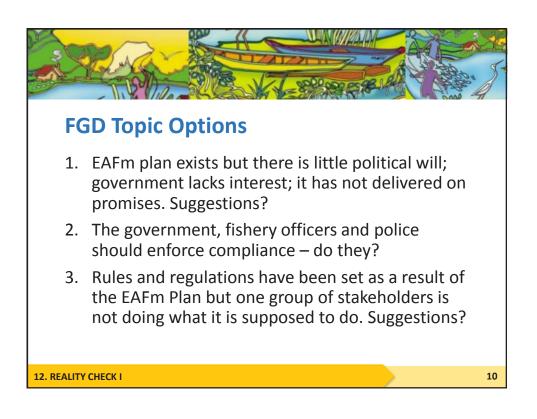


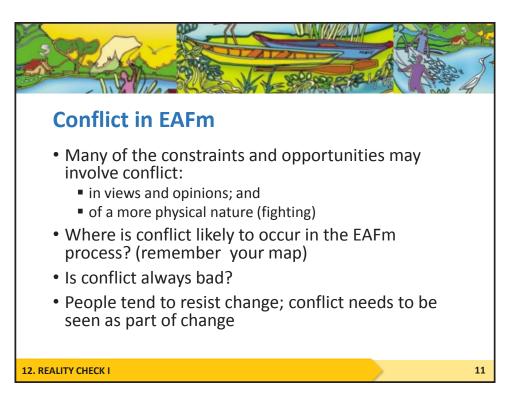


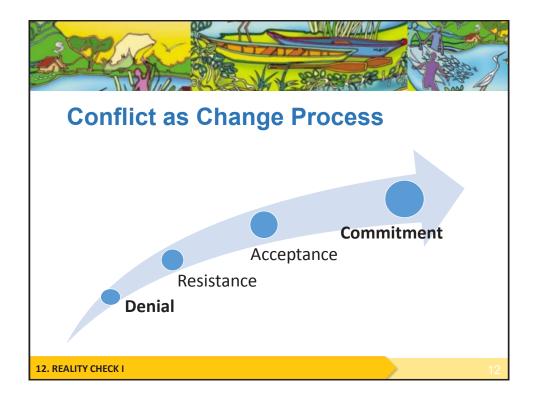






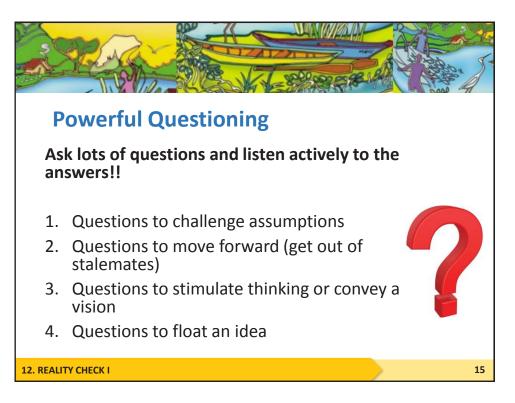




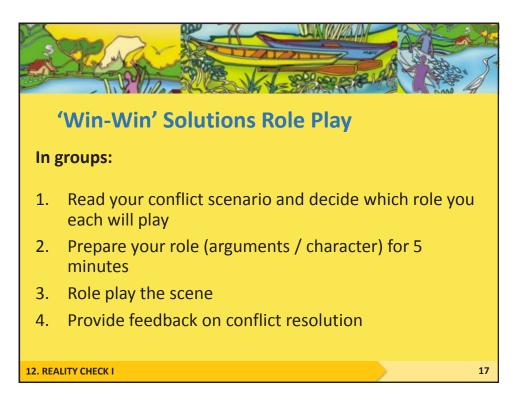




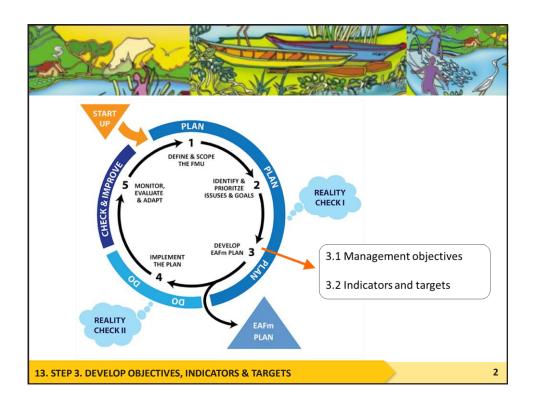


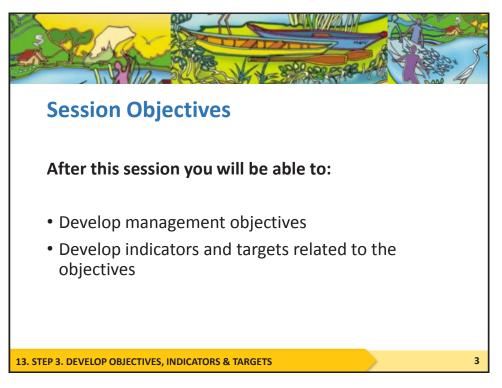


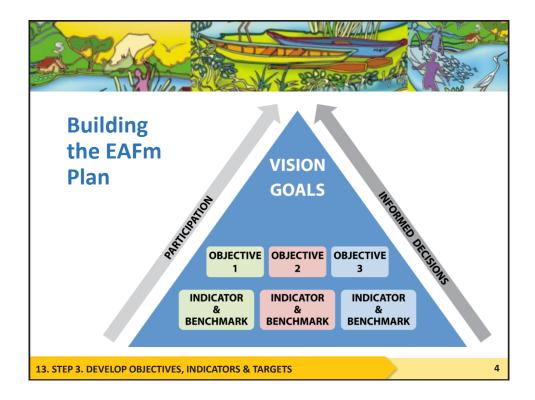




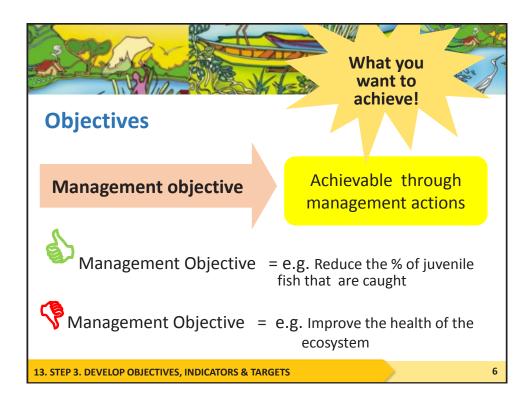


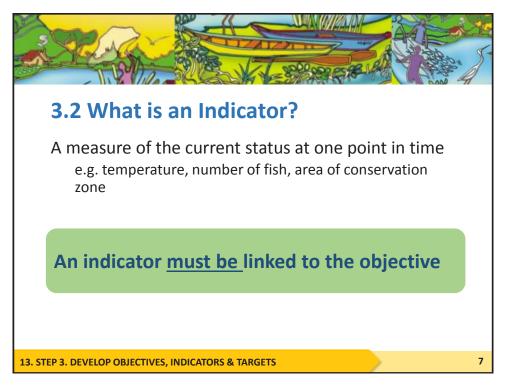


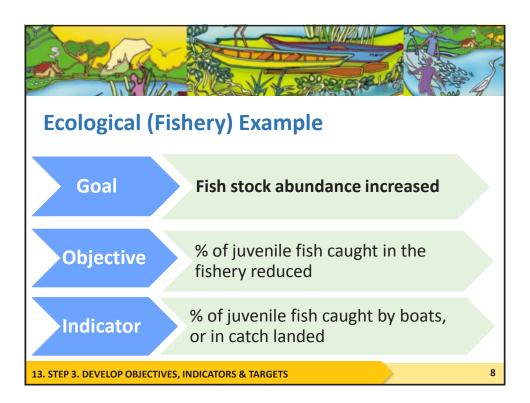


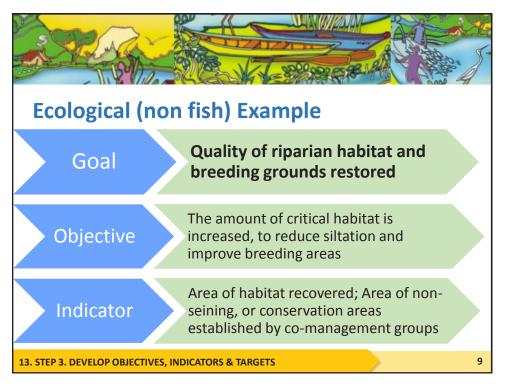


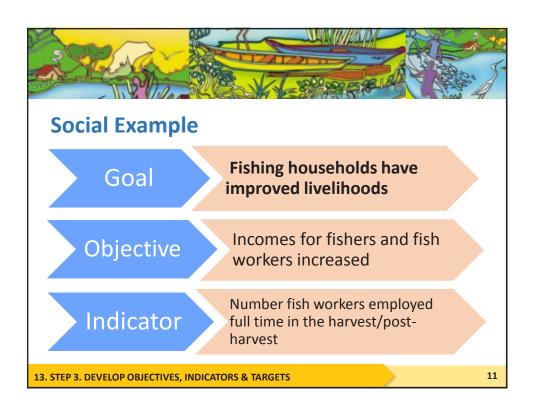


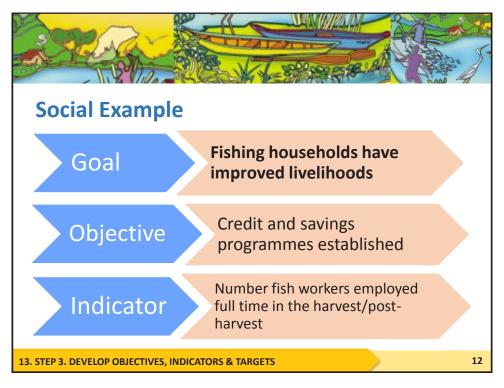


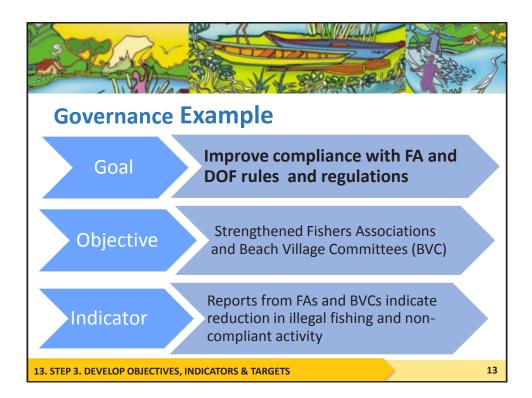


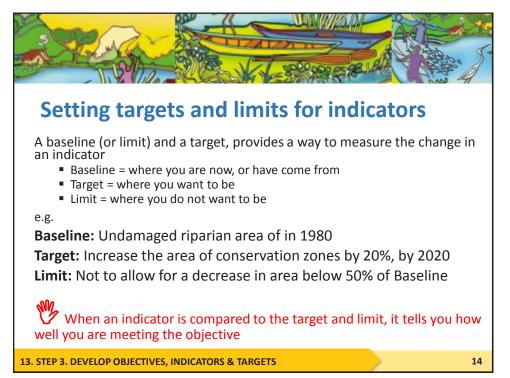


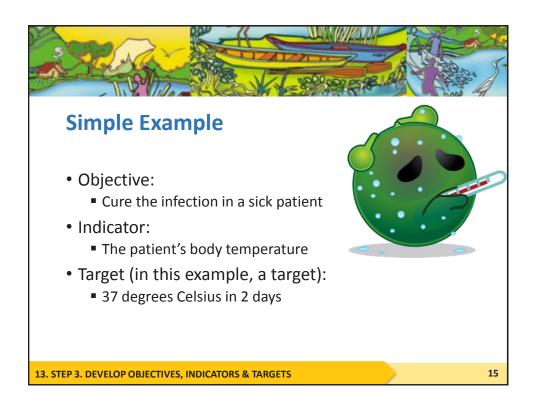


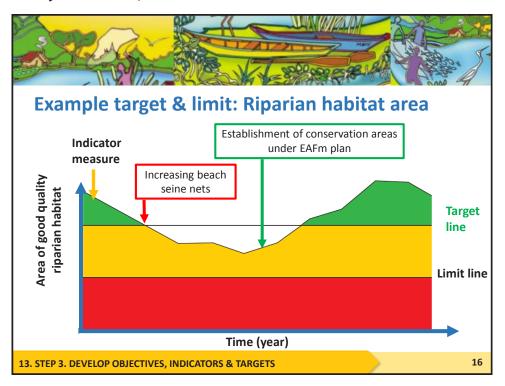


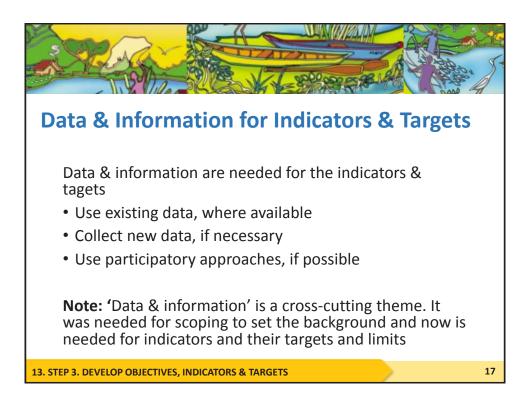


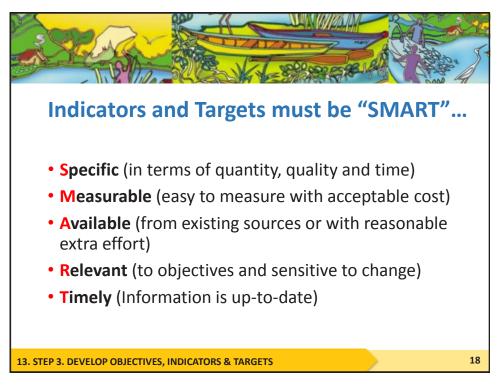


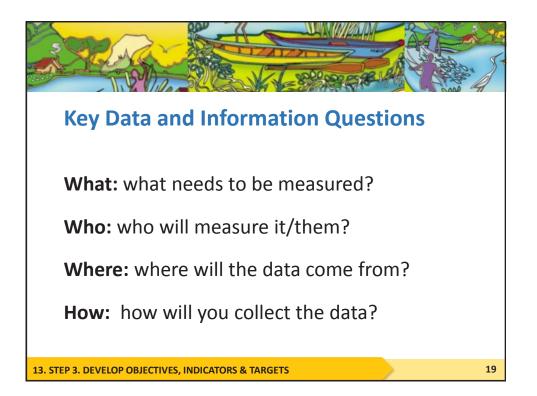


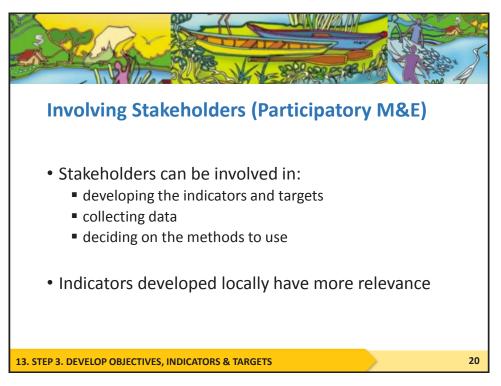


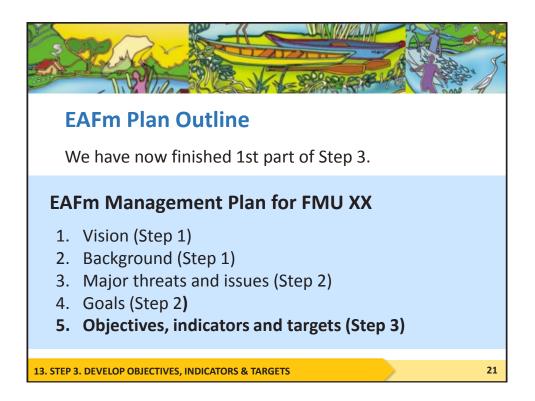




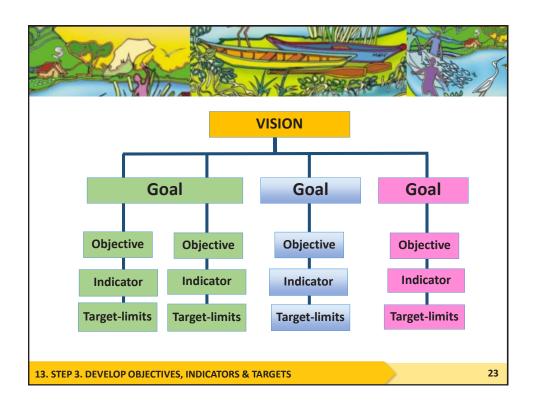


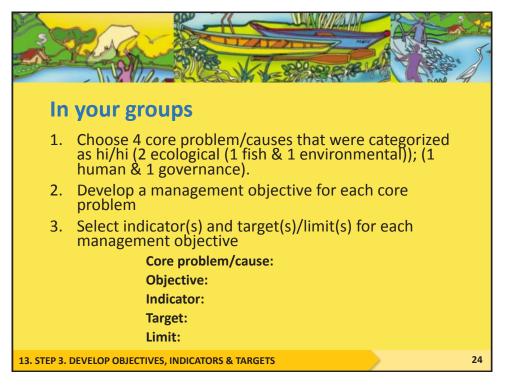




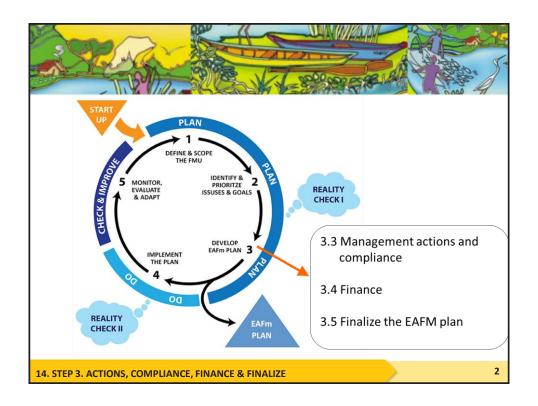


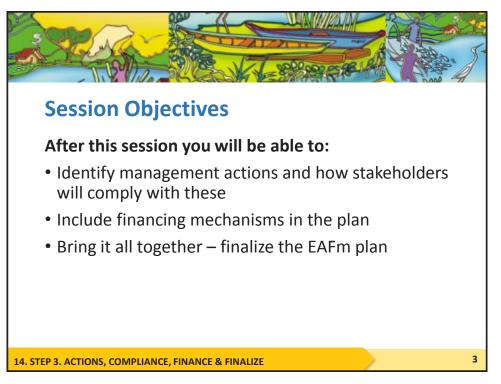


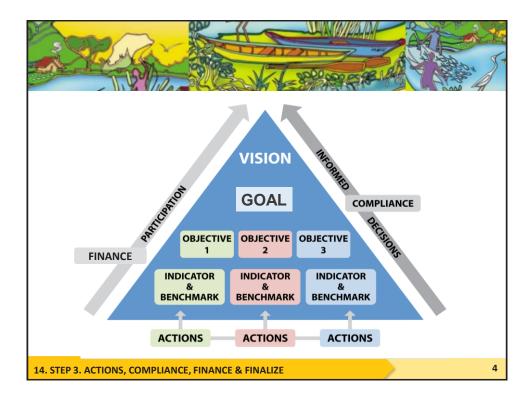




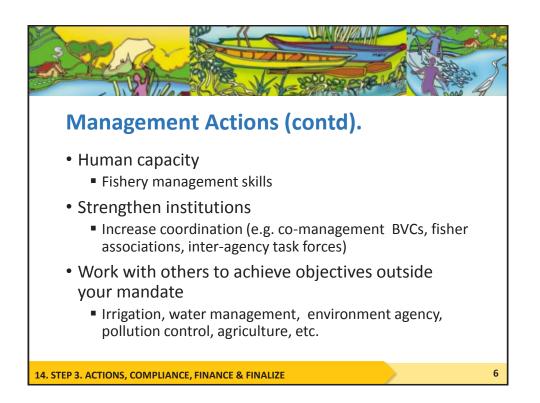


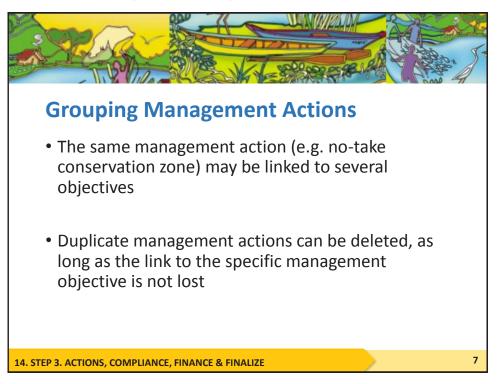


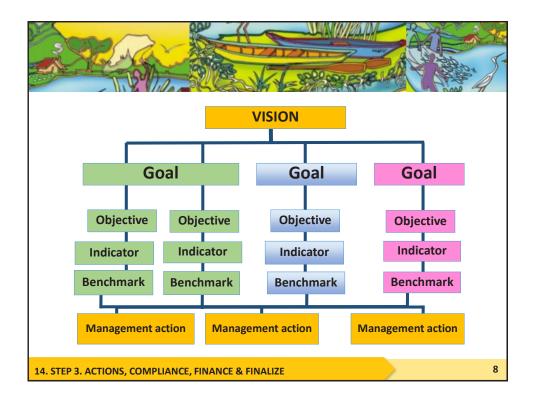


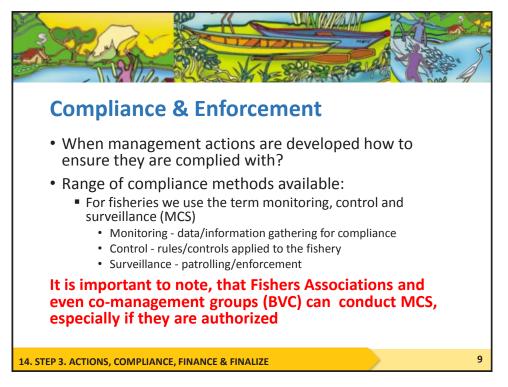




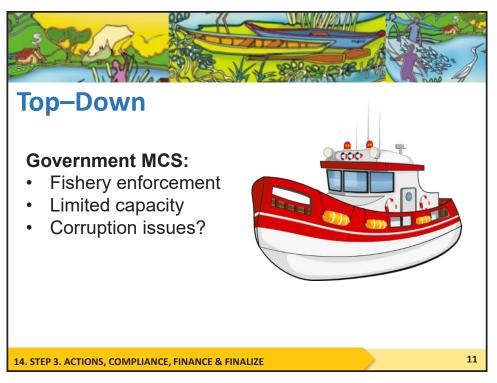


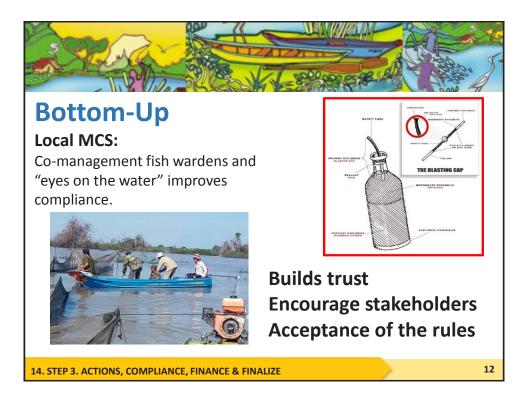


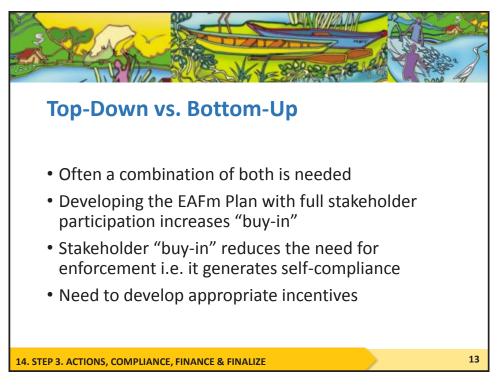




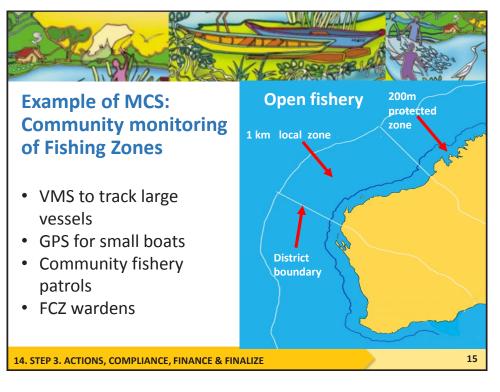


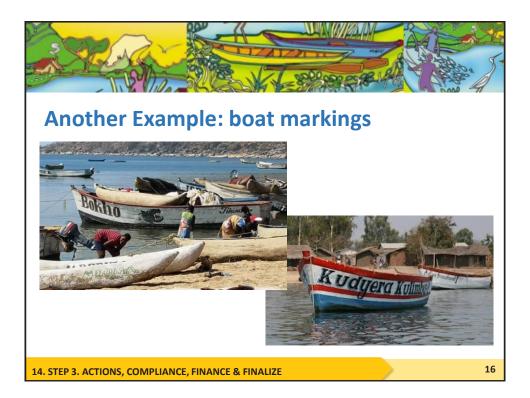


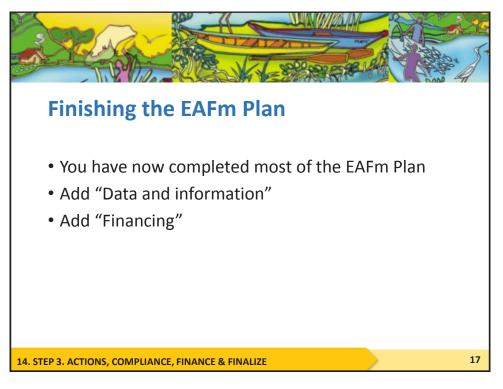


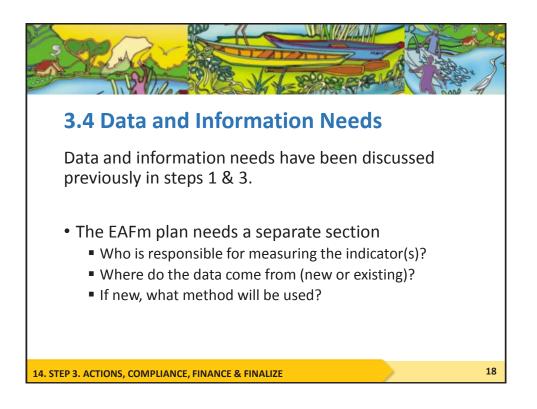


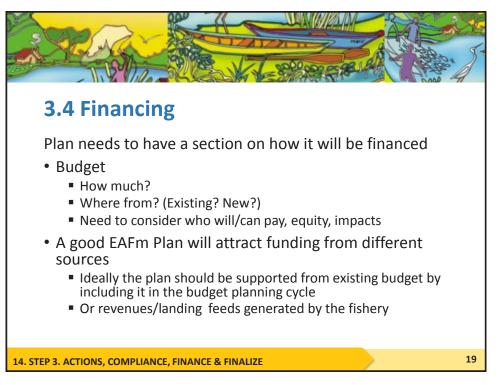


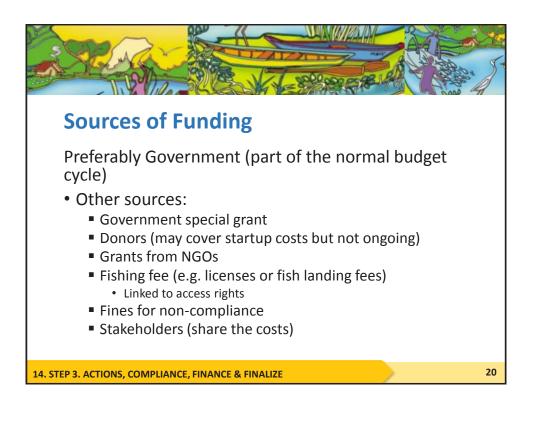


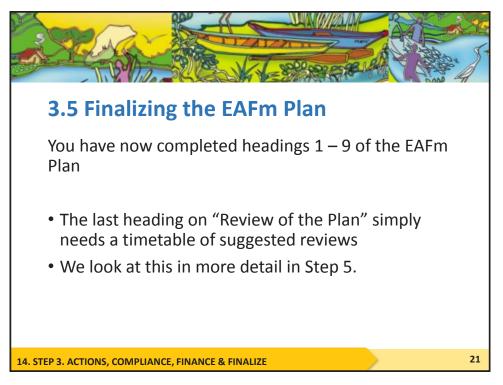




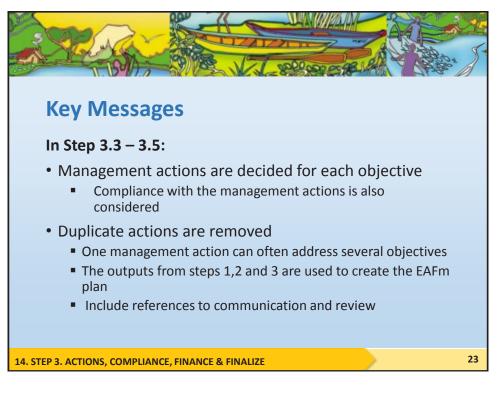




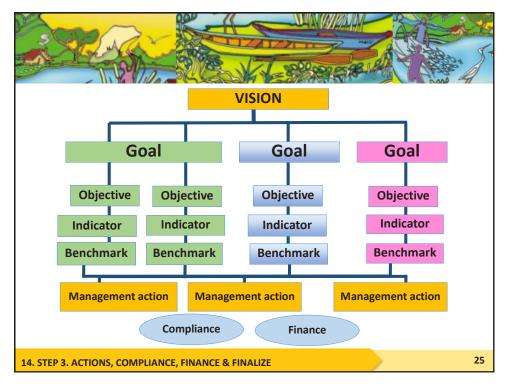


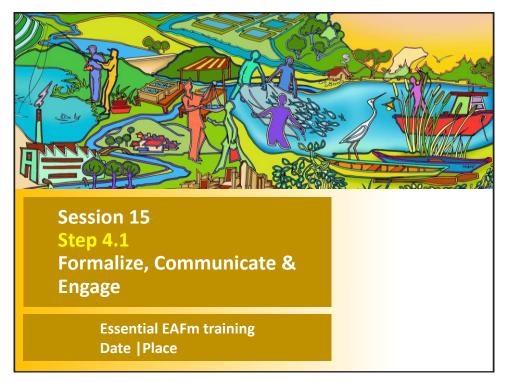


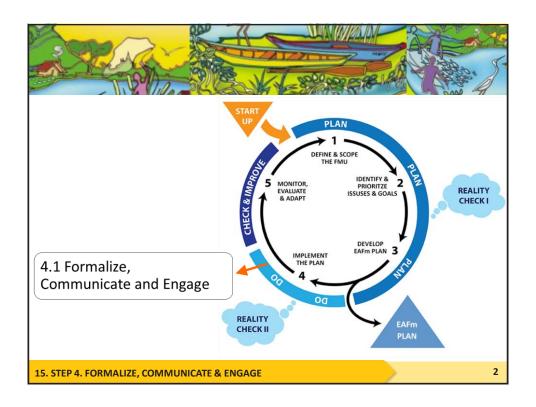




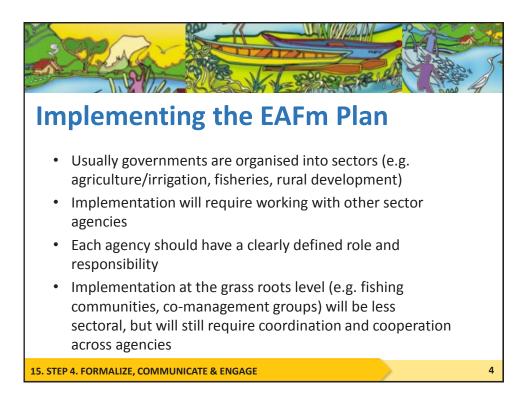


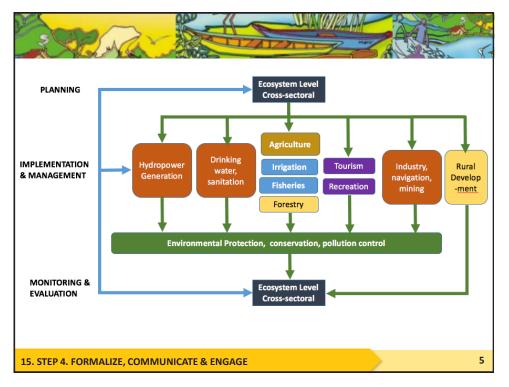


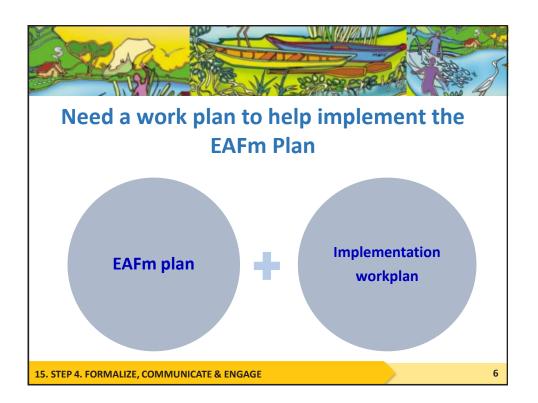


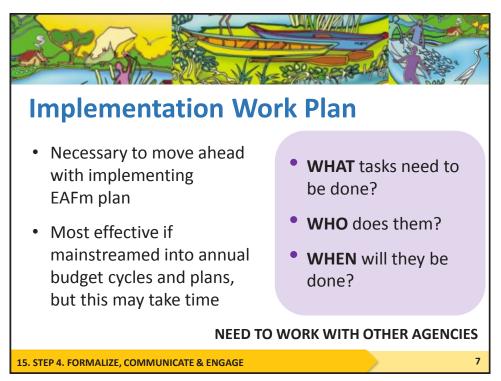




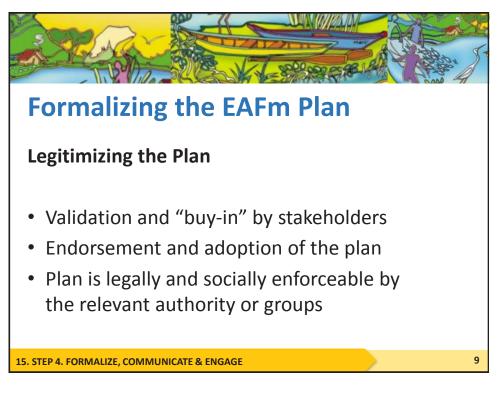


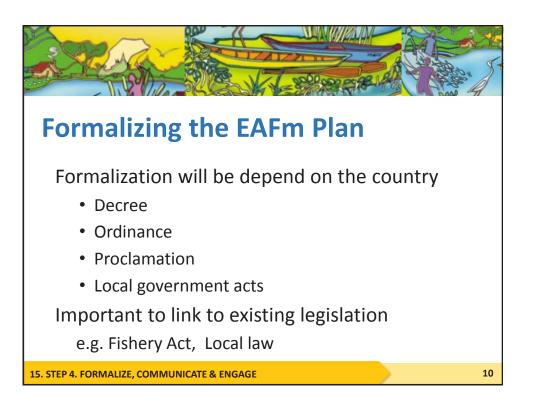




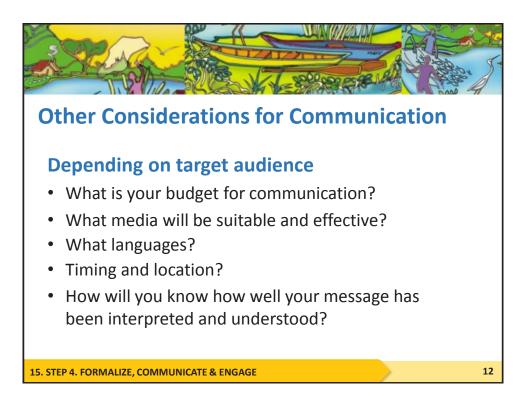






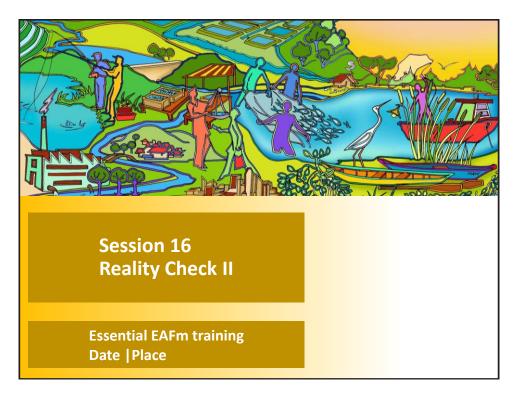


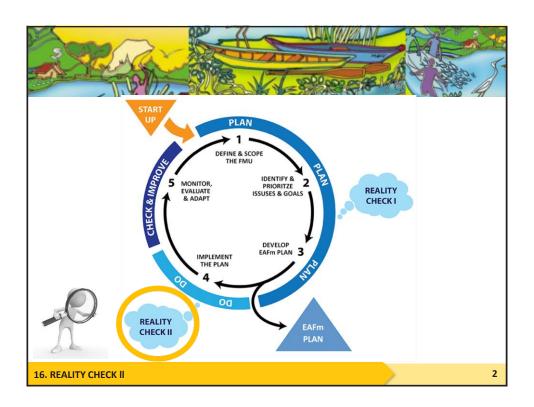


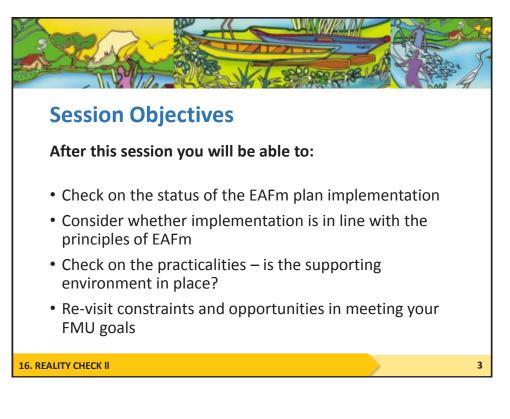


	Communication Strategy						
	Target audience	Communication method (how & where)	Key messages	Timing			
15.	STEP 4. FORMALIZE, CO	OMMUNICATE & ENGAGE		13			

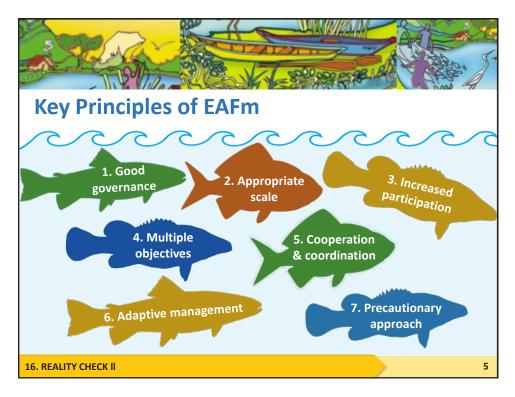


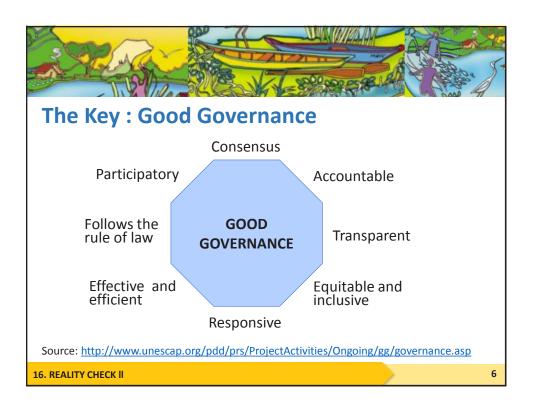




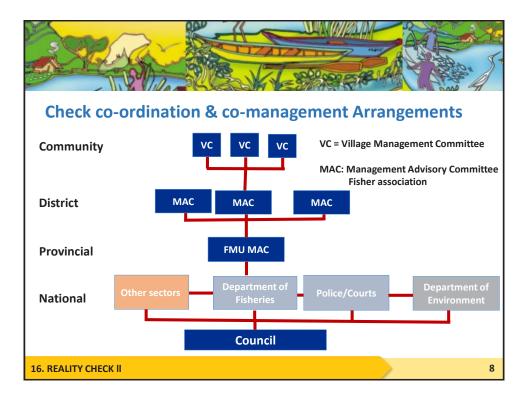


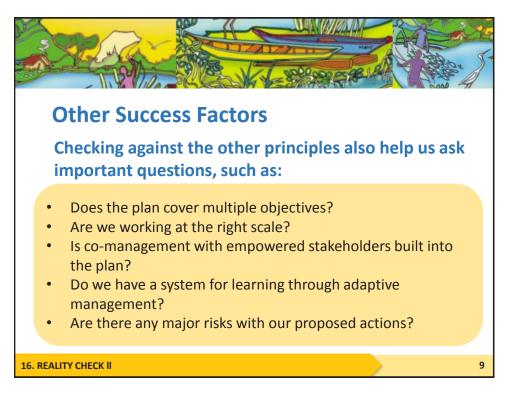




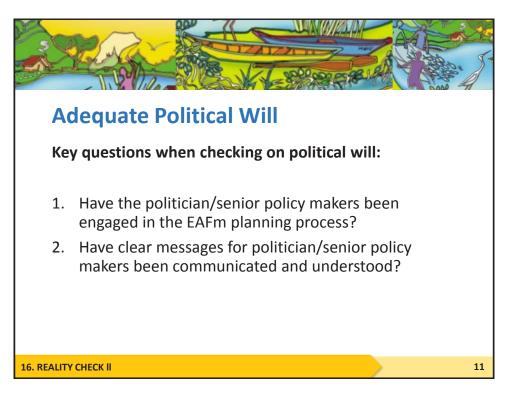


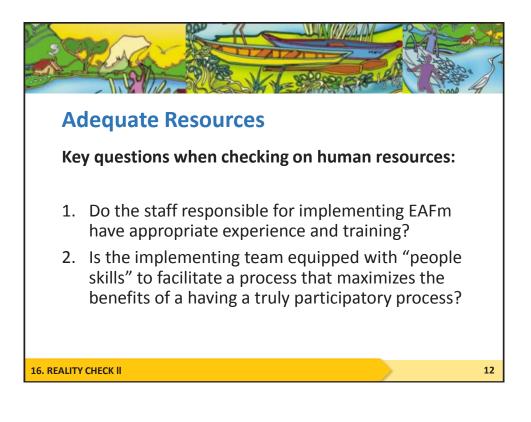


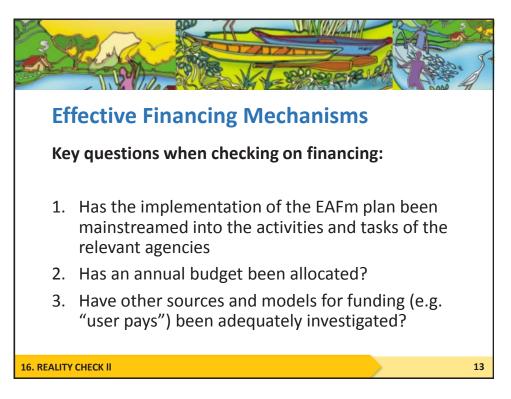


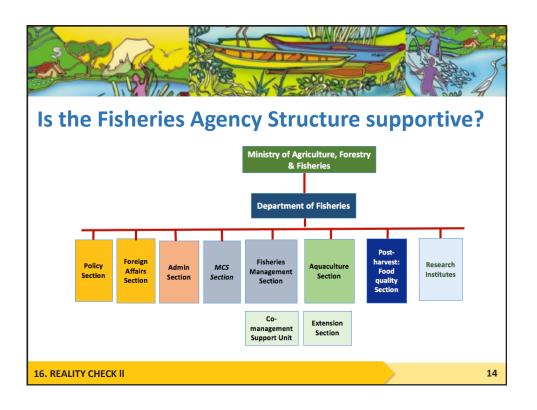


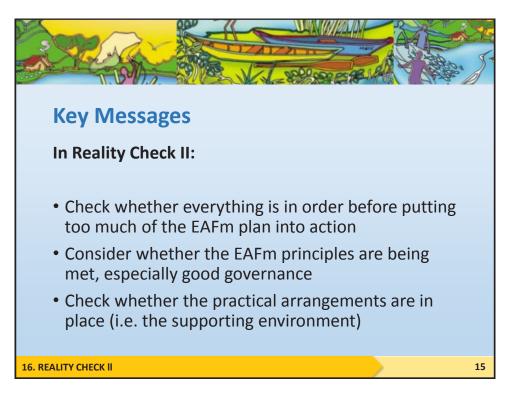


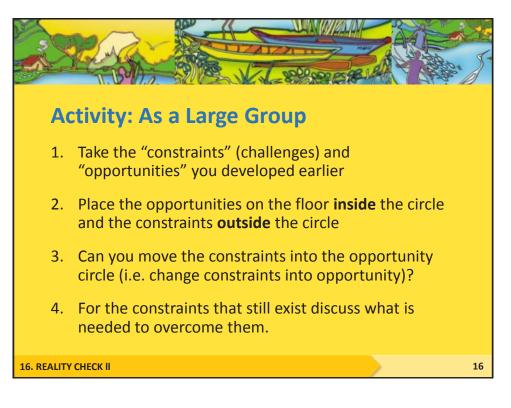




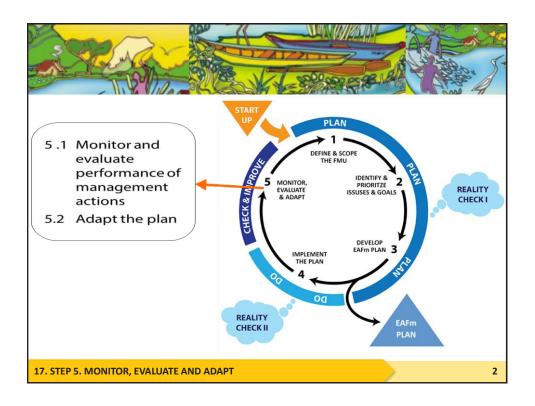


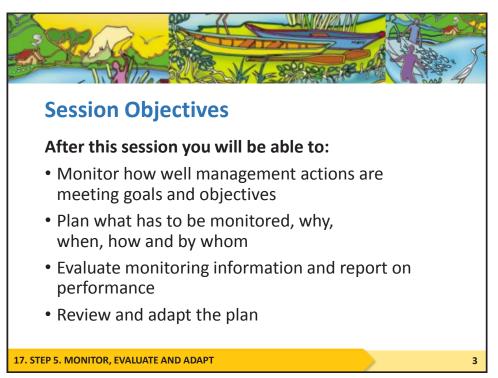


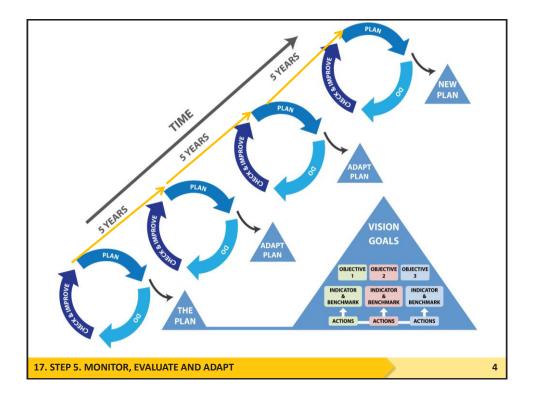


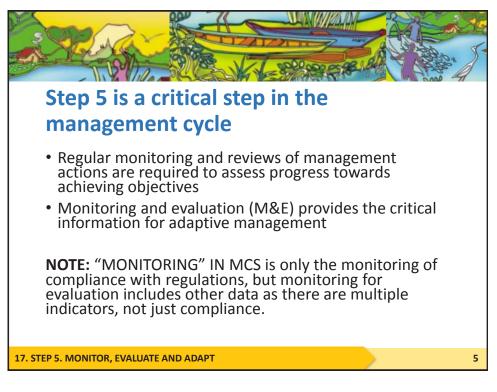


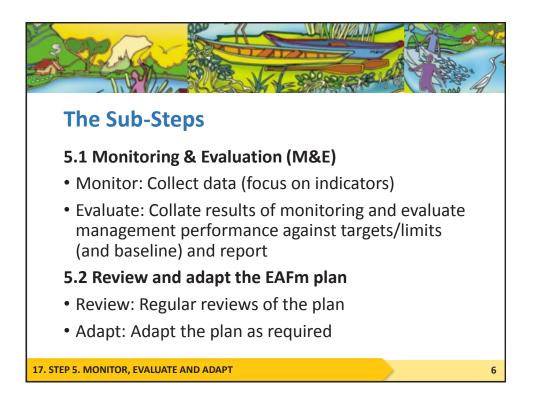


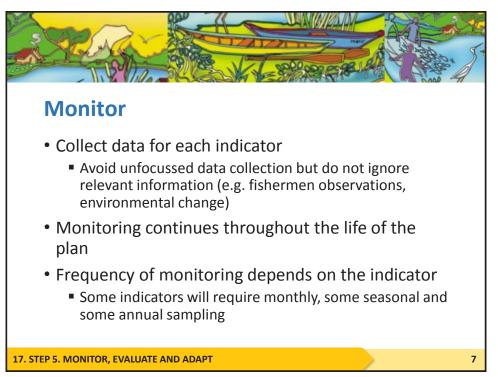


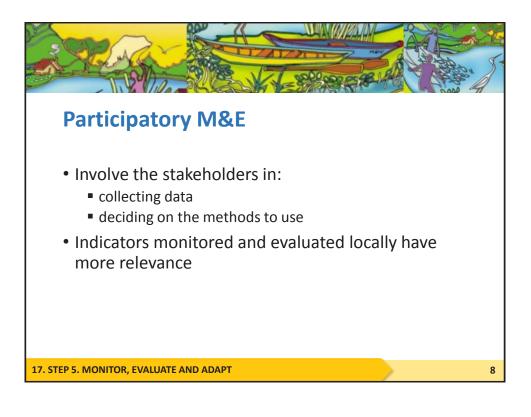




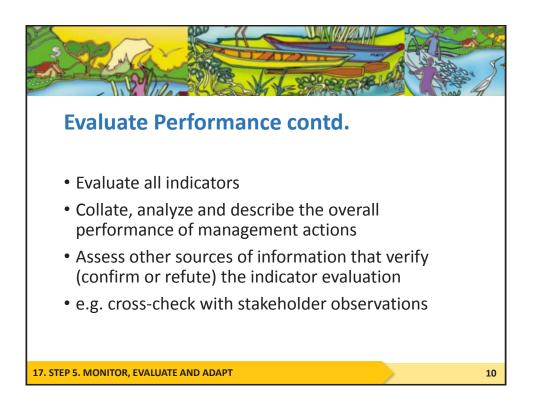




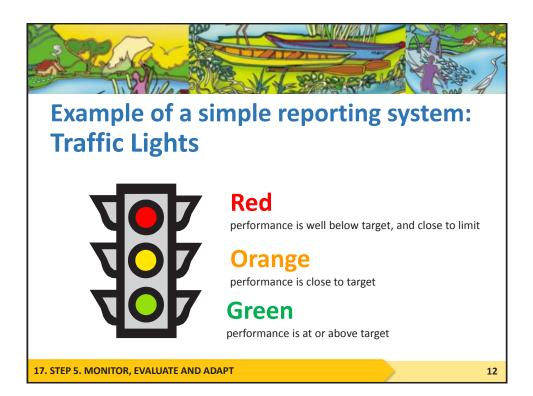


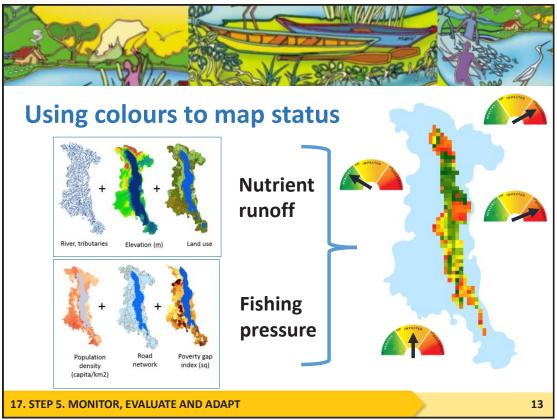


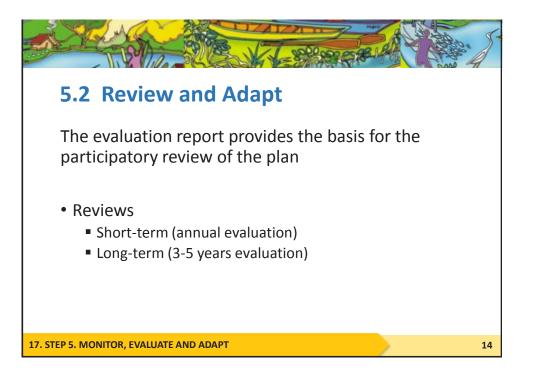
	Evaluate Management Performance					
	icator against its target/limits/baseline to fectiveness of each management action.					
Exampl	Example:					
Objective	:	Increase area of freshwater fish refuge				
Indicator:		Hectare of protected habitat				
Baseline		100 ha in 2010				
Target		Increase 50% above baseline by 2020 (150 ha)				
Progress 2	2014	50 ha 125 ha (50% decrease!)				
17. STEP 5. MONIT	TE AND ADAPT	9				



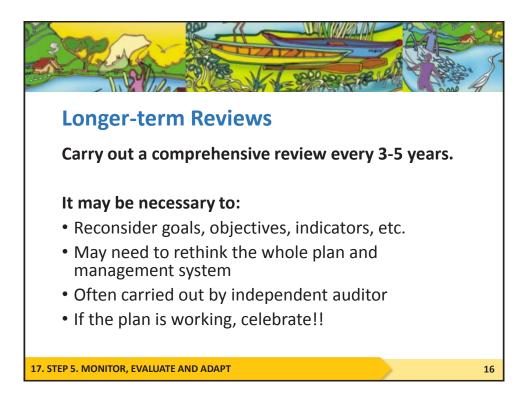


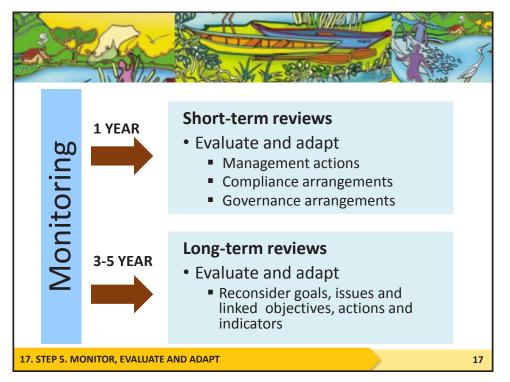


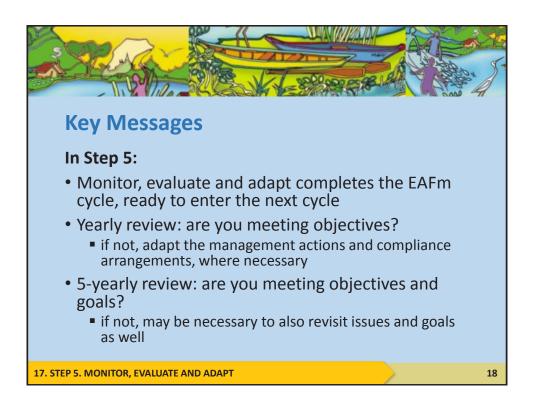


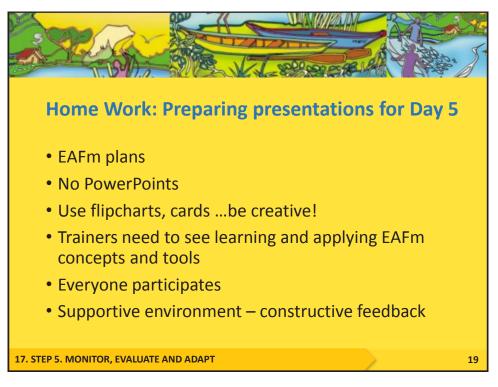


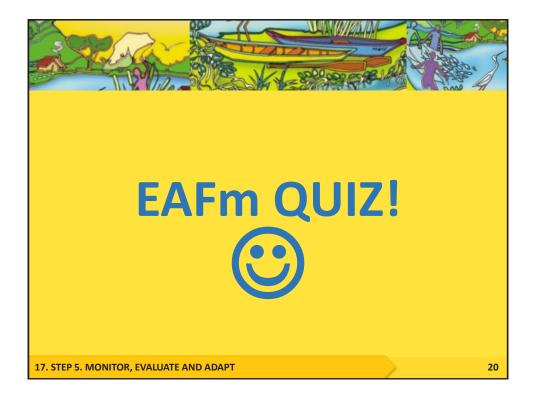


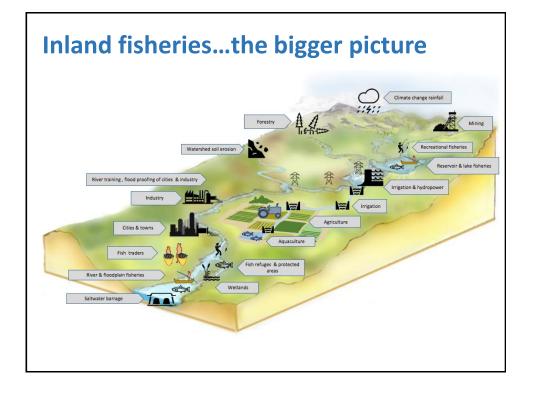


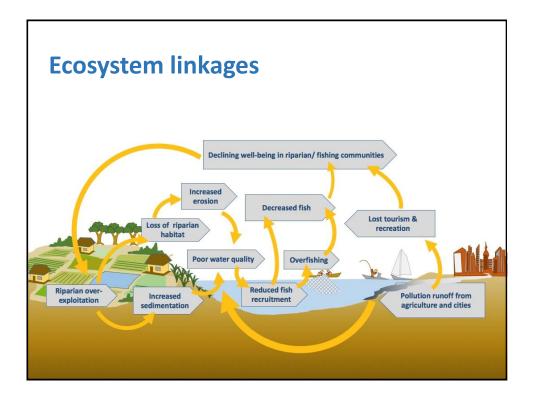


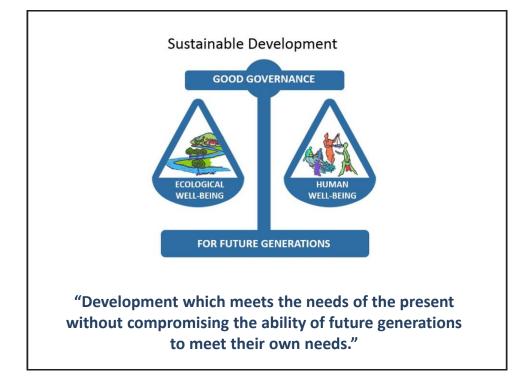


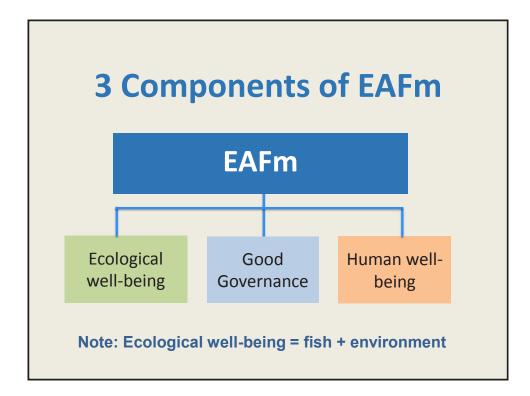


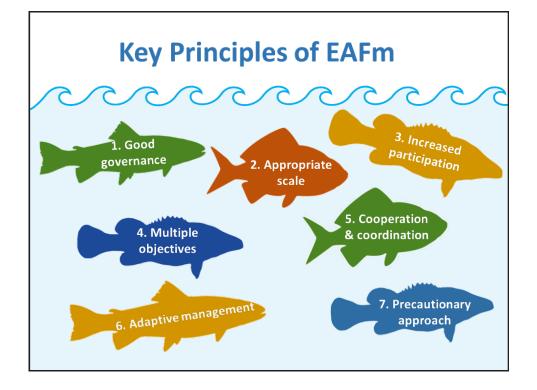


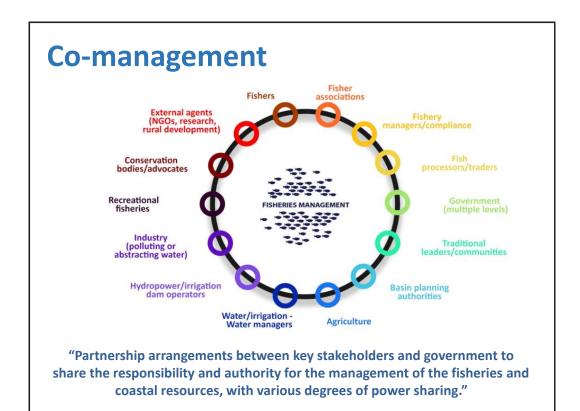




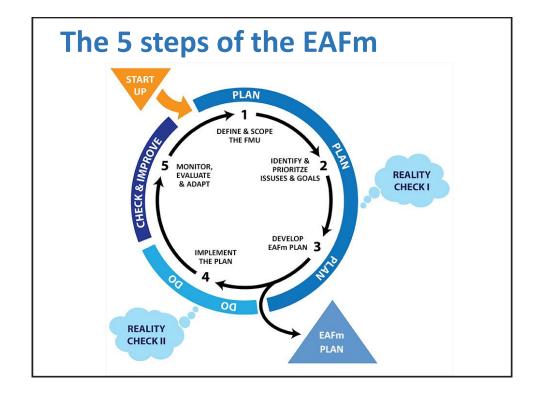




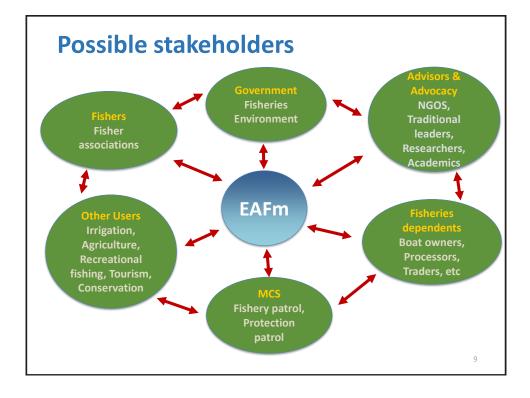


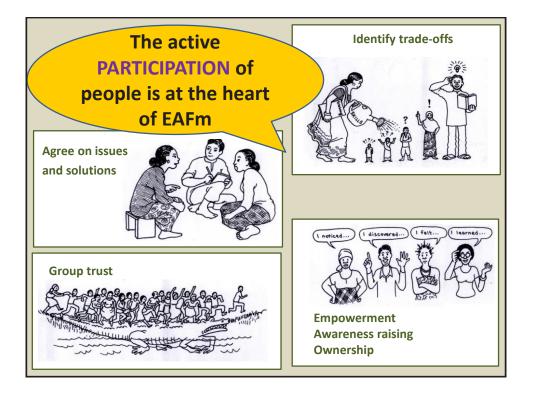


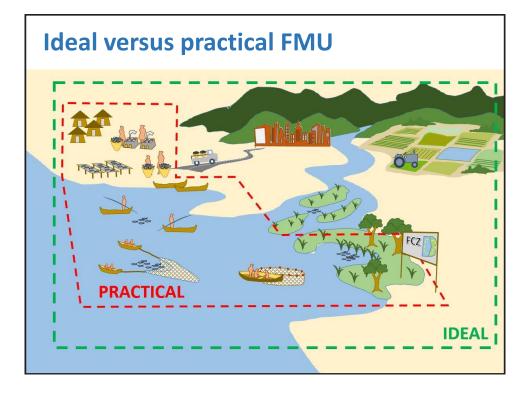


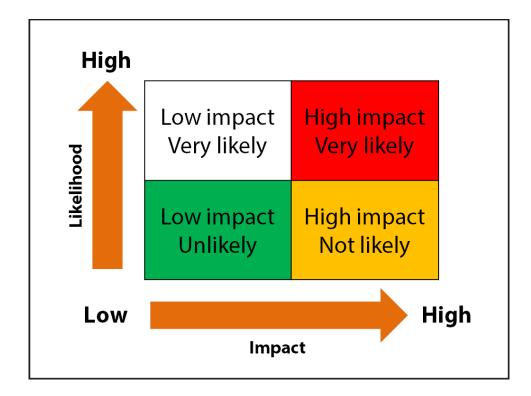


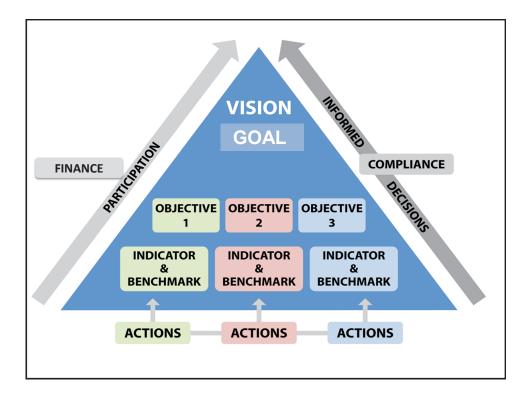














This Ecosystem Approach to Fisheries management training course (Inland Fisheries) is designed as a complete training course for the sustainable management of inland fisheries using the ecosystem approach. It is targeted at middle-level fishery and environment officers, extension workers, facilitators and other stakeholders engaged in the planning and management of inland fisheries. This training course is designed to be applicable to many inland fishery contexts around the world (including overlapping freshwater fishery/aquaculture systems). It is also intended to be adapted to suit specific local contexts. This volume is VOLUME 3: TRAINING COURSE PRESENTATIONS & VISUALS and contains the presentations for the training course. It also includes a series of visual aids used in the training room during the course.

