



**Mediterranean Action Plan – Barcelona Convention (UNEP/MAP)
Specially Protected Areas Regional Activities Centre (SPA/RAC)**

2nd EcAp Training session

monitoring techniques of the common indicators related to biodiversity and NIS

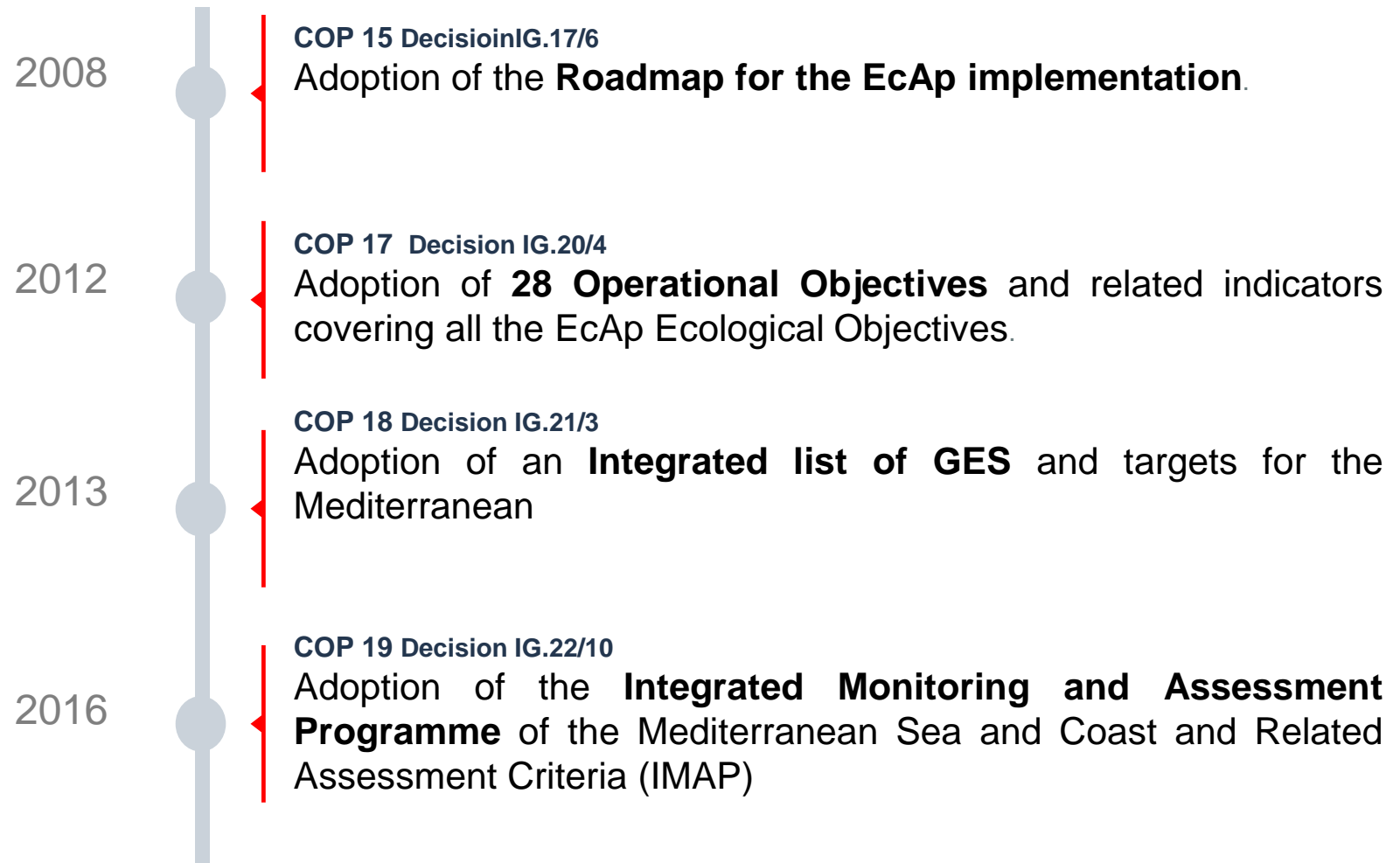
22-28 September 2017, Samos Island, Greece

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Implementation of the Ecosystem Approach

- Vision: *“A healthy Mediterranean with marine and coastal ecosystems that are productive and biologically diverse for the benefit of present and future generations”.*
- Overall aim: Achieve Good Environmental Status of the Mediterranean Sea and Coast



Integrated Monitoring and Assessment Programme (IMAP)

- Three main components:
 - **Biodiversity & Fisheries** (6 common indicators related to biodiversity and NIS);
 - **Pollution & marine litter** (9 common indicators related to eutrophication, contaminants and marine litter);
 - **Hydrography & Littoral** (2 common indicators);

Common Indicators related to EO 1

Ecological Objective	IMAP Indicators
EO 1 Biodiversity	
Biological diversity is maintained or enhanced.	<u>Common Indicator 1</u>: Habitat distributional range to also consider habitat extent as a relevant attribute
	<u>Common Indicator 2</u>: Condition of the habitat's typical species and communities
	<u>Common Indicator 3</u>: Species distributional range
	<u>Common Indicator 4</u>: Population abundance of selected species
	<u>Common indicator 5</u>: Population demographic characteristics (e.g. body size or age class structure, sex ratio, fecundity rates, survival/mortality rates)

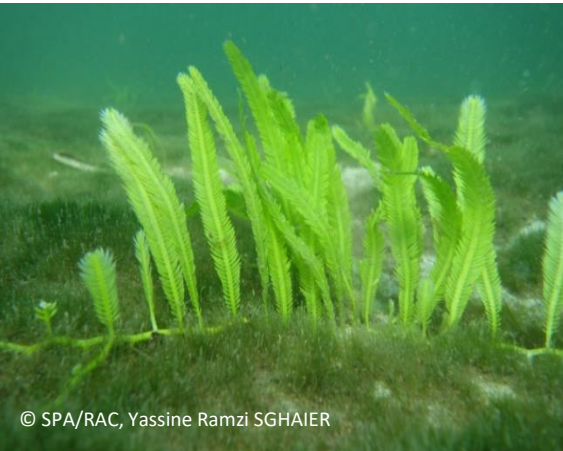


Common Indicators related to EO 2

EO 2 Non-indigenous species

Non-indigenous species introduced by human activities are at levels that do **not adversely alter the ecosystem**

Common Indicator 6: Trends in abundance, temporal occurrence, and spatial distribution of non-indigenous species, particularly invasive, non-indigenous species, notably in risk areas



EO 3 Harvest of commercially exploited fish and shellfish

Populations of selected commercially exploited fish and shellfish are within biologically safe limits, exhibiting a population age and size distribution that is indicative of a healthy stock

(To be further developed in partnership with GFCM)

[Common Indicator 7](#): Spawning stock Biomass (EO3);

[Common Indicator 8](#): Total landings (EO3);

[Common Indicator 9](#): Fishing Mortality (EO3);

[Common Indicator 10](#): Fishing effort (EO3);

[Common Indicator 11](#): Catch per unit of effort (CPUE) or Landing per unit of effort (LPUE) as a proxy (EO3)

[Common Indicator 12](#): Bycatch of vulnerable and non-target species (EO1 and EO3)

EO 4 Marine food webs

Alterations to components of marine food webs caused by resource extraction or human-induced environmental changes do not have long-term adverse effects on food web dynamics and related viability

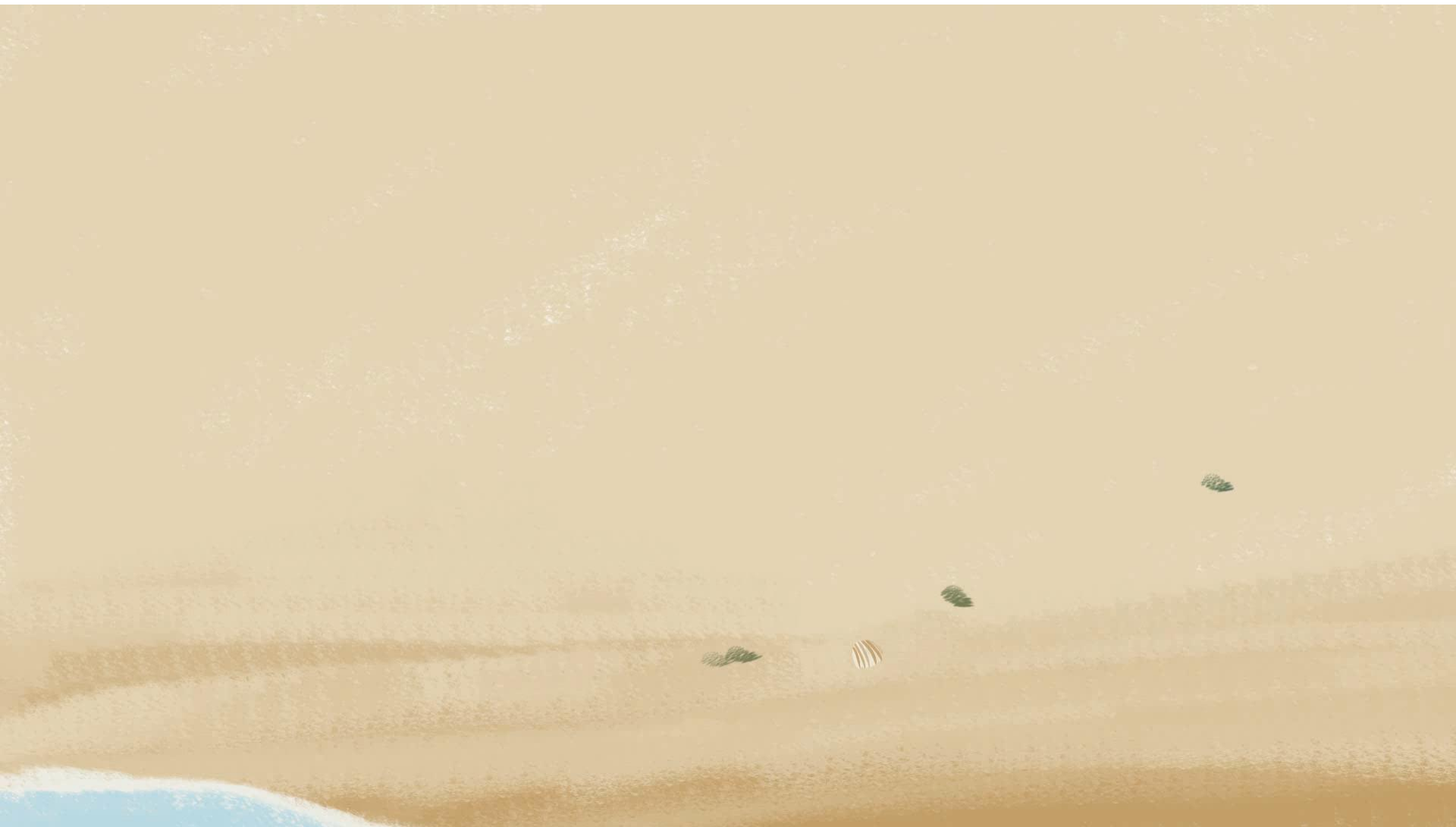
To be further developed

EO 6 Sea-floor integrity

Sea-floor integrity is maintained, especially in priority benthic habitats

To be further developed

https://www.youtube.com/watch?v=sR5wE0kB_rc



EcAp-MEDII Project

EU founded project, with focus on Southern Mediterranean EcAp/IMAP implementation needs

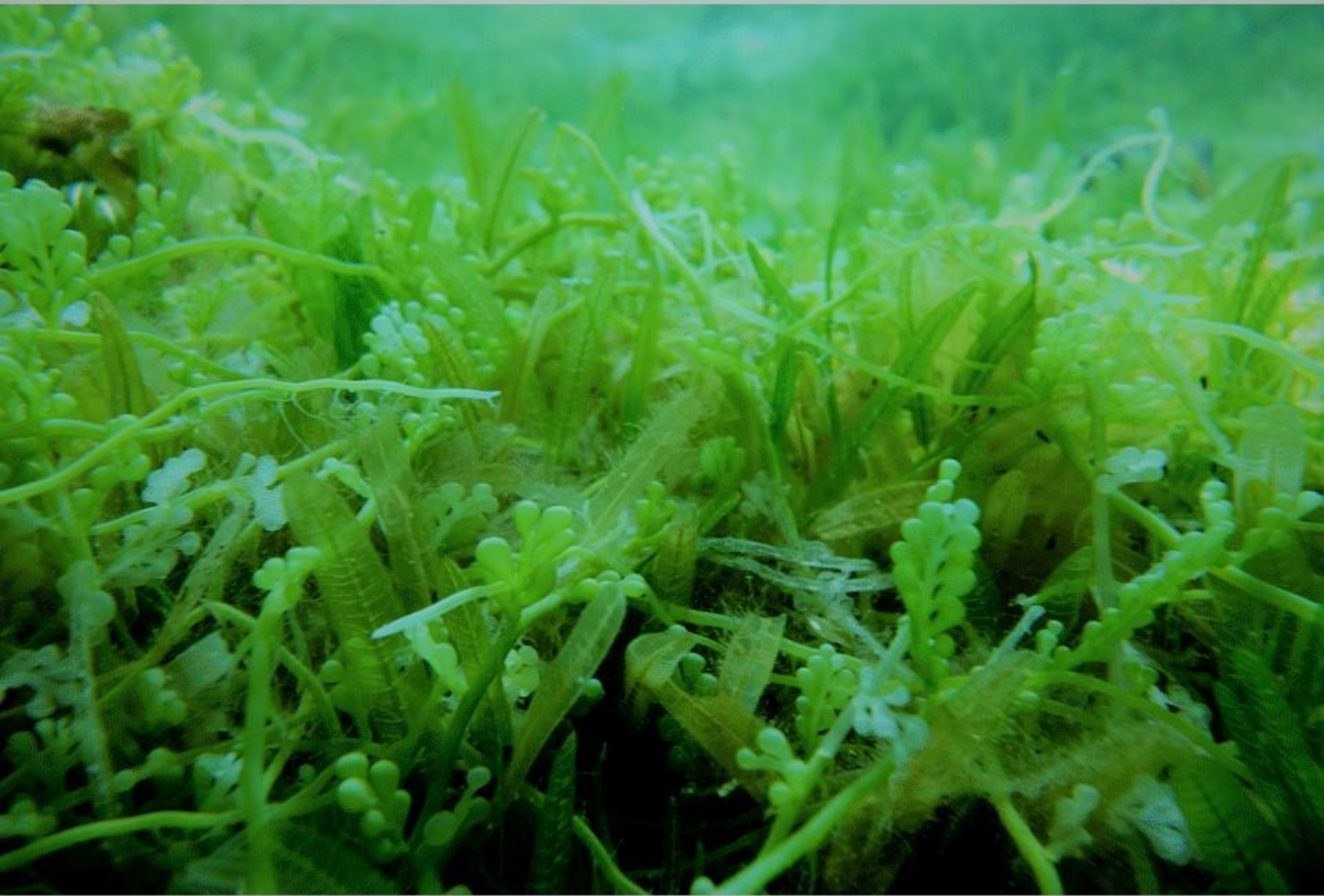
- Undertake country-specific capacity assessments and Assist in developing national, integrated monitoring programmes, in line with the IMAP regional common indicators (Output 1)











Mapping & GIS

Mediterranean Platform

data.medchm.net/en/

UN environment SPA/RAC

Mediterranean Platform on Biodiversity

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Mediterranean Platform on biodiversity © This platform is not yet in its final form. The content is likely to be updated, modified and improved by SPA/RAC

D+D Geographica

Taper ici pour rechercher

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<http://data.medchm.net/en/>



FORMATION EcAP SUR LA SURVEILLANCE DE LA BIODIVERSITE MARINE

MONASTIR, 17 - 23 JUILLET 2017

0:04 / 3:29



<https://www.youtube.com/watch?v=V80JS-XYf3E>

Thank You
For your attention !

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