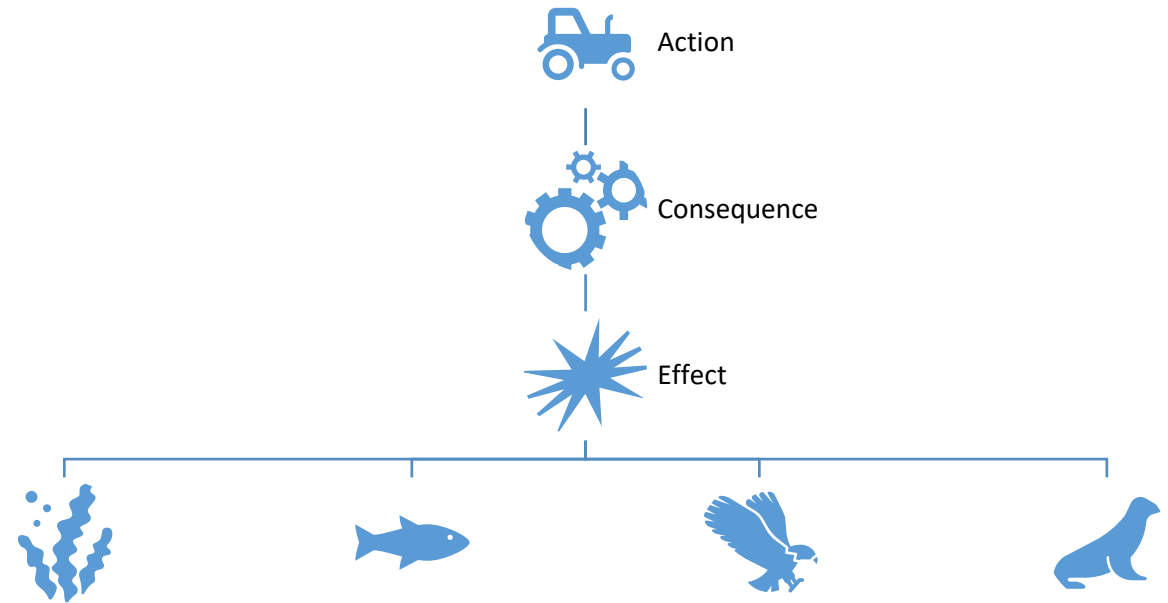


HELCOM and the work to secure Good Environmental Status of the Baltic Sea

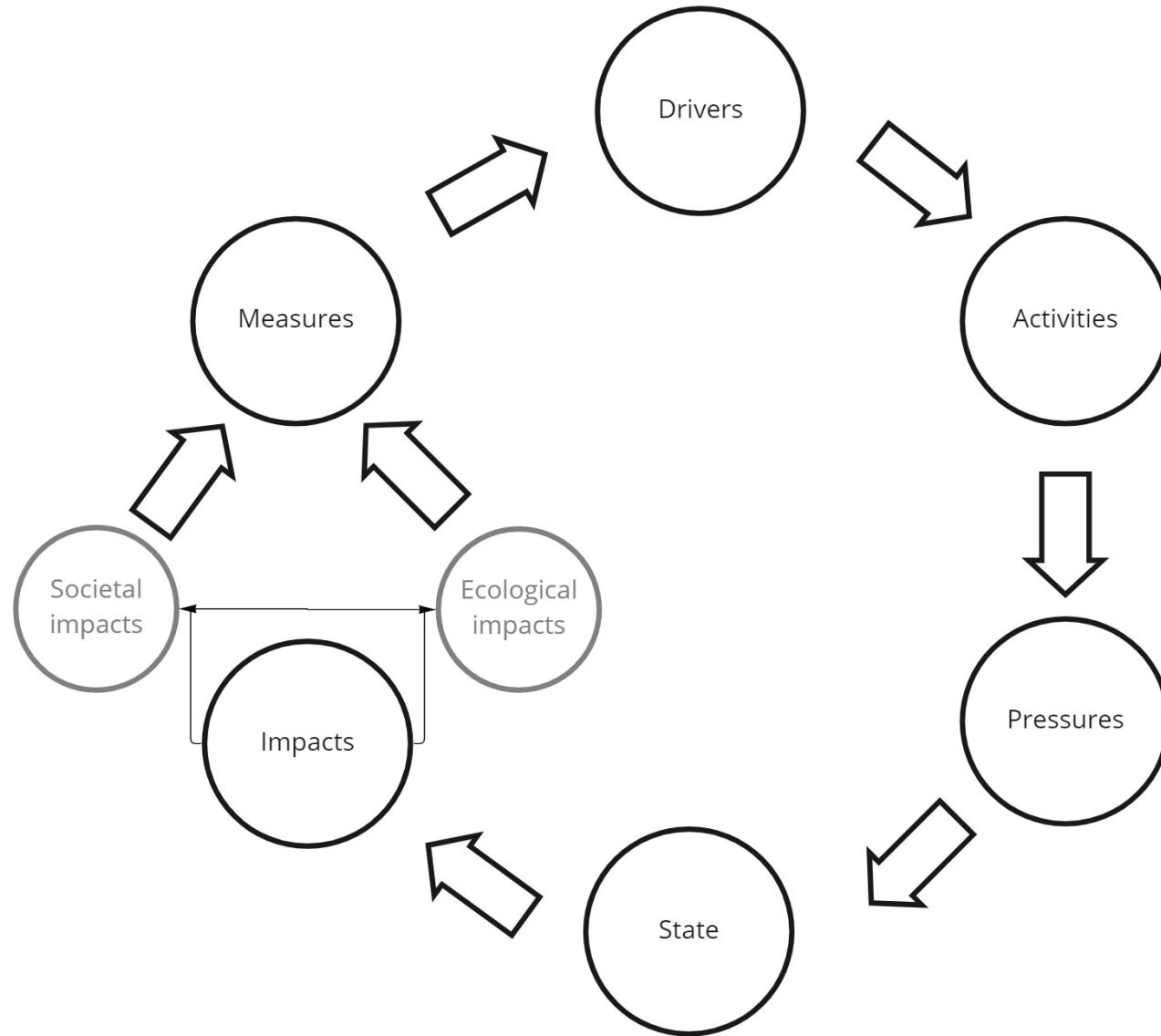
- Why is international cooperation needed?

How do we affect the marine environment?

- We do something.
- Our action has a consequence by causing a change in the environment.
- That change affects a species dependent on the environment.
- The effect on this species in turn affects other species.
- This changes how the environment works.
- This change in the environment impacts society.



HELCOM management framework



HUMAN ACTIVITIES

PHYSICAL RESTRUCTURING	Land claim
	Canalisation, other watercourse modifications
	Coastal defence, flood protection
	Offshore structures
EXTRACTION OF NON-LIVING RESOURCES	Restructuring of seabed morphology
	Extraction of minerals
PRODUCTION OF ENERGY	Extraction of oil and gas
	Renewable energy generation and infrastructure
	Non-renewable energy production
EXTRACTION OF LIVING RESOURCES	Transmission of electricity and communications
	Fish and shellfish harvesting
	Fish and shellfish processing
	Marine plant harvesting
CULTIVATION OF LIVING RESOURCES	Hunting and collecting for other purposes
	Aquaculture – marine
	Agriculture
TRANSPORT	Forestry
	Transport infrastructure
	Transport – shipping
URBAN & INDUSTRIAL	Transport – land
	Urban uses
	Industrial uses
TOURISM & LEISURE	Waste treatment and disposal
	Tourism and leisure infrastructure
SECURITY & DEFENCE	Tourism and leisure activities
	Military operations
EDUCATION & RESEARCH	Research, survey and educational activities

PRESSURES

SUBSTANCES	Input of nutrients
	Input of organic matter
	Input of hazardous substances
	Input of litter
ENERGY	Input of sound
	Input of other forms of energy
BIOLOGICAL	Input or spread of non-indigenous species
	Input of genetically modified species, translocation of native species
	Input of microbial pathogens
	Disturbance of species
PHYSICAL	Extraction of species or mortality/injury to species
	Physical disturbance to seabed
	Physical loss of seabed
	Changes to hydrological conditions

The issue of scale

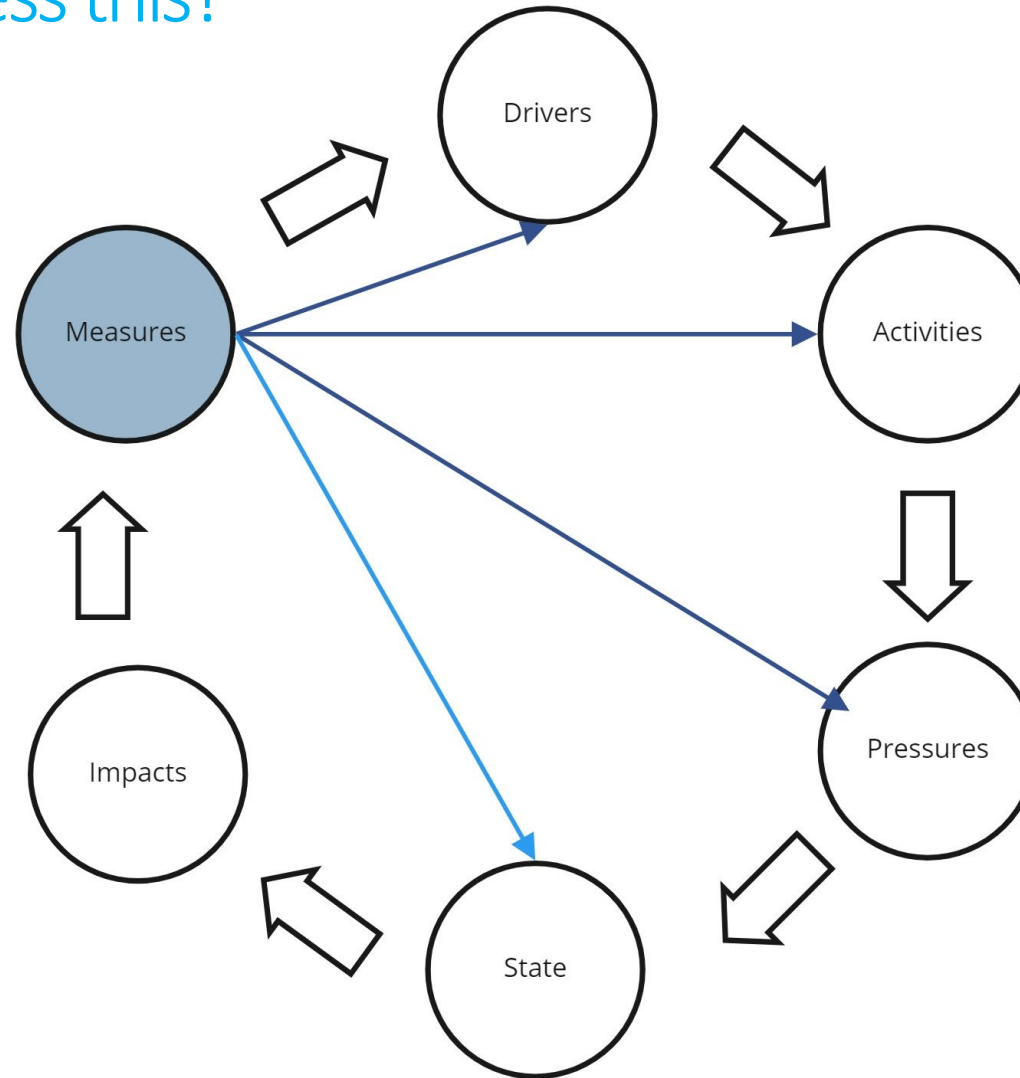
- The ecosystem, its species, habitats and functions don't recognise our anthropogenic borders.
- ...and neither do most of the pressures our action exert on it.



Action needs to be taken at a relevant scale for it to be effective!



How can we address this?




miro




2021 Baltic Sea Action Plan: Structure & goals






Vision

-  a healthy Baltic Sea environment with diverse biological components functioning in balance, resulting in a good ecological status and supporting a wide range of sustainable economic and social activities.

Goal

-  Baltic Sea **ecosystem** is healthy and resilient

Goals

-  Baltic Sea unaffected by **hazardous substances and litter**
-  Environmentally sustainable **sea-based activities**
-  Baltic Sea unaffected by **eutrophication**

Horizontal topics


Climate change; monitoring; maritime spatial planning; economic and social analysis; financing; hot spots; knowledge exchange and awareness raising



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2021 Baltic Sea Action Plan: Structure & goals



199 Actions




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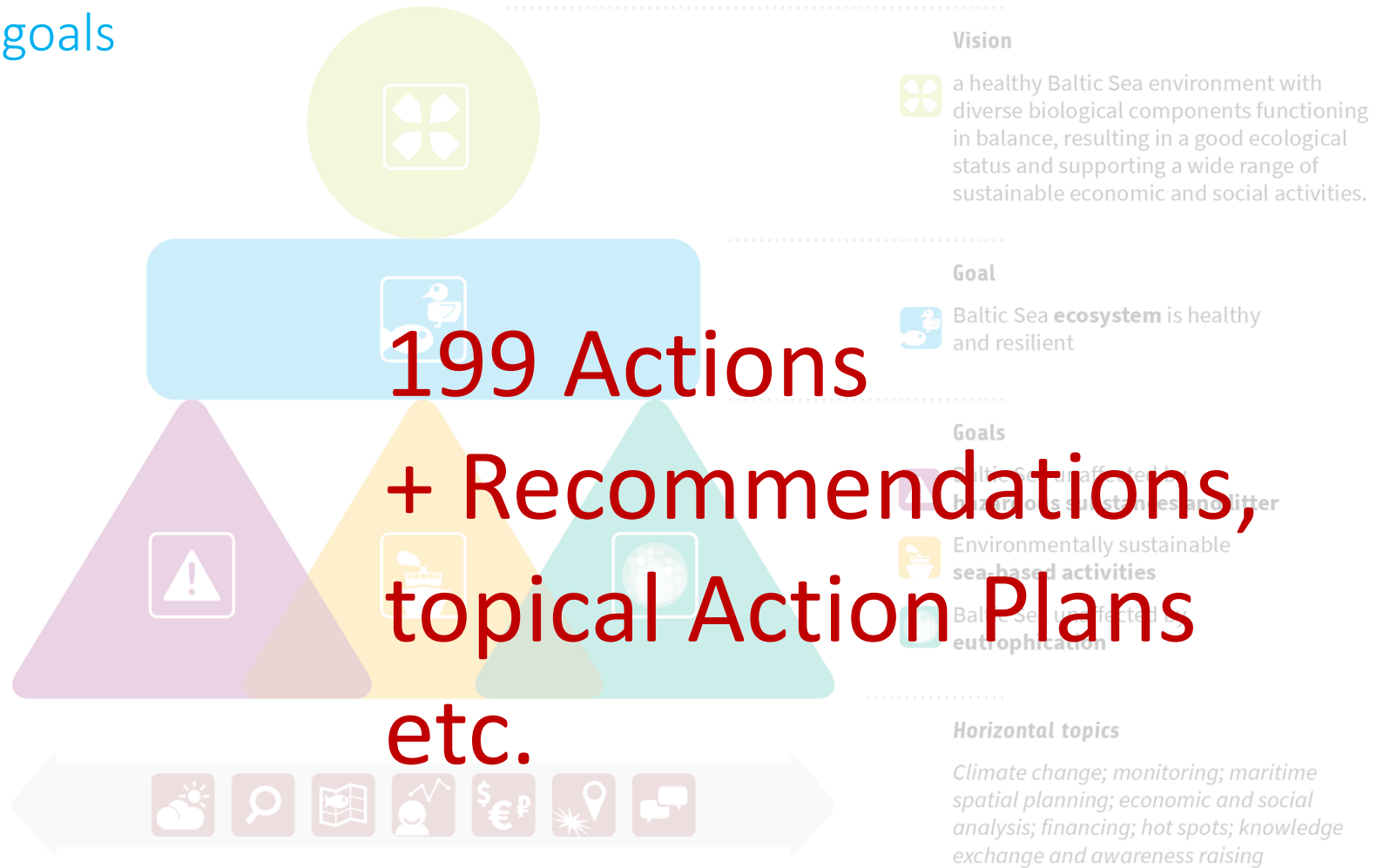
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2021 Baltic Sea Action Plan: Structure & goals



Tracking progress

All 199 BSAP actions have...



... **individual target years** for their implementation, with the last actions to be implemented by 2030 at the latest;



... been assigned to one or several **HELCOM bodies** for monitoring, guiding and/or contributing to their implementation;



... **specific criteria** by which their achievement will be measured.



... which allows progress tracking



Progress:
Workplans
HELCOM Explorer



Effects:
HELCOM monitoring
HELCOM assessments

Tracking progress

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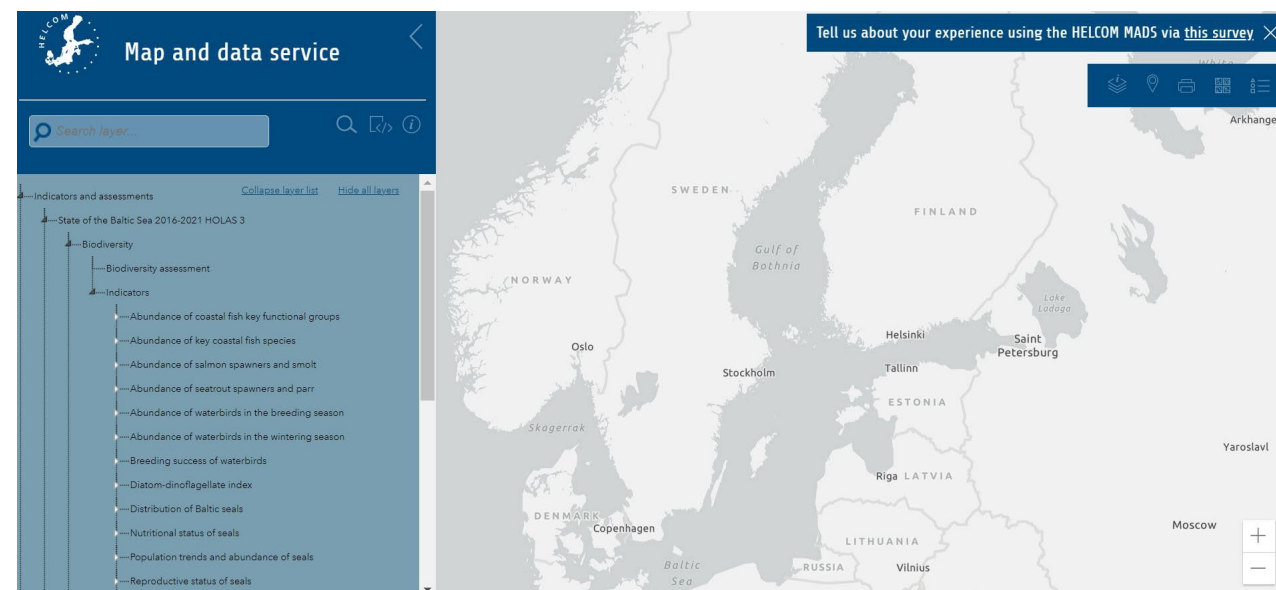
Progress:
Workplans
HELCOM Explorer



Effects:
HELCOM monitoring
HELCOM assessments

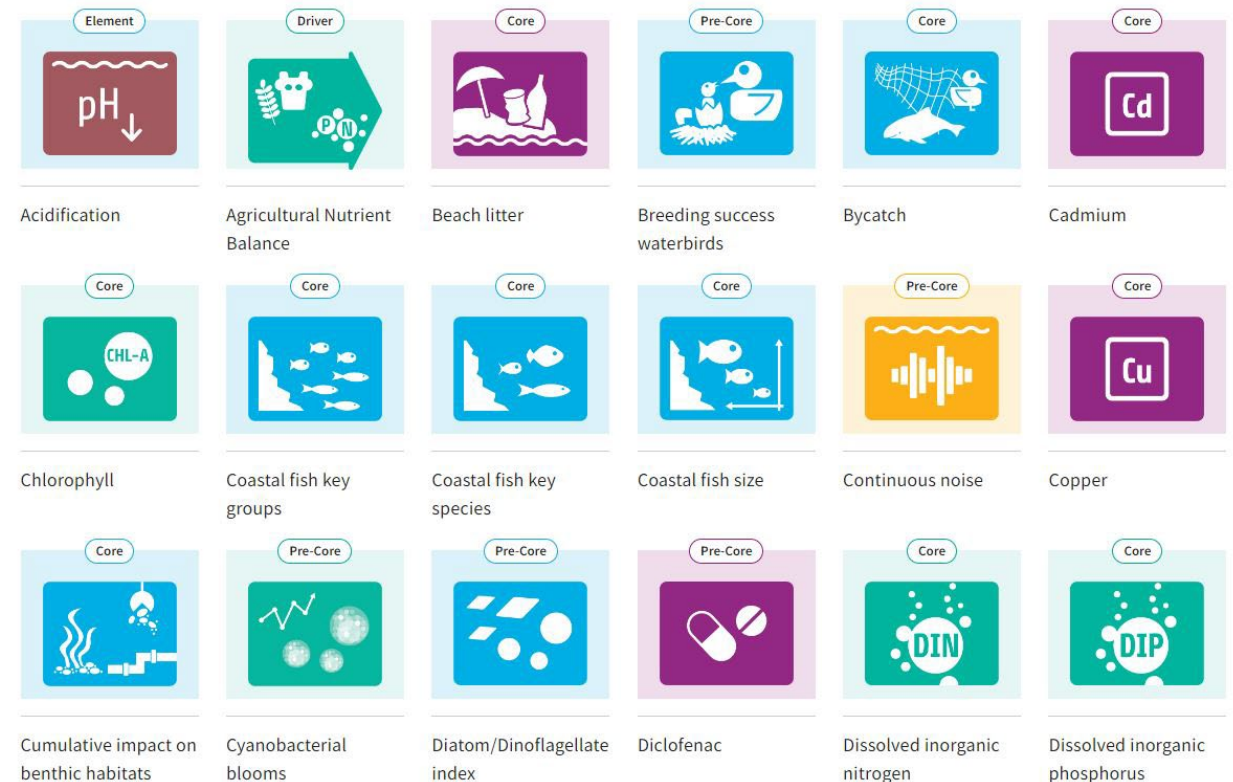
HOLAS 3 products: Data, GIS layers and metadata

- Available in the:
- [Updated data and data layers in HELCOM Map and Data Services \(NEW\)](#).
- [HELCOM Metadata catalogue](#).



HOLAS 3 products: HELCOM Indicators

- 59 indicator reports (can be found on the new [HELCOM indicators webpage](https://indicators.helcom.fi))
- Developed to assess the status of selected elements of biodiversity and human-induced pressures on the Baltic Sea
- Measure the progress towards regionally agreed targets and objectives.
- Selected according to a set of principles including ecological and policy relevance, measurability with monitoring data and linkage to anthropogenic pressures.
- Status measured in relation to a regionally agreed threshold value specific to each indicator, and in many cases at the level of individual areas in the Baltic Sea.
- Results indicate whether status is good or not according to each of the core indicators. HELCOM core indicators make up the most detailed level of results, presented in the dedicated indicator reports (<https://indicators.helcom.fi>).



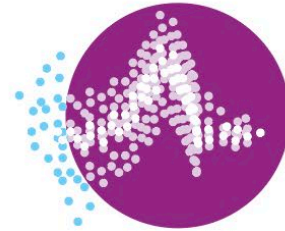
HOLAS 3 products: Thematic Assessments Reports



Eutrophication



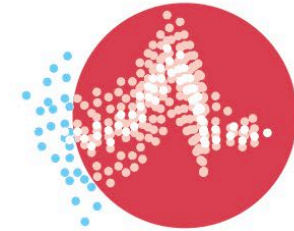
Biodiversity



**Hazardous
substances**



**Economic and
social analyses**



**Spatial pressures
and impacts**

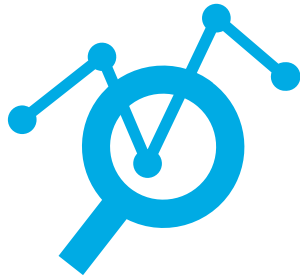
HOLAS 3 products: Thematic Assessments Reports

- Available in the HELCOM publications library:
- [Thematic Assessment Report on Biodiversity](#)
- [Thematic Assessment Report on Hazardous substances, marine litter, underwater noise and non-indigenous species](#)
- [Thematic Assessment of Report on Economic and Social Analysis](#)
- [Thematic Assessment Report on Spatial Distribution of Pressures and Impacts](#)

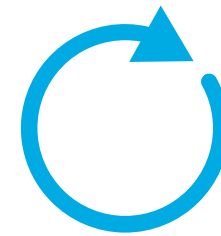
Tracking effect of implementation

- ...because we need to understand if:
 - We are doing the right things;
 - We are doing them in the right way;
 - We are doing enough.
- To do this we need to understand what effect our measures are actually having on the marine environment.

Monitoring and tracking effect of implementation

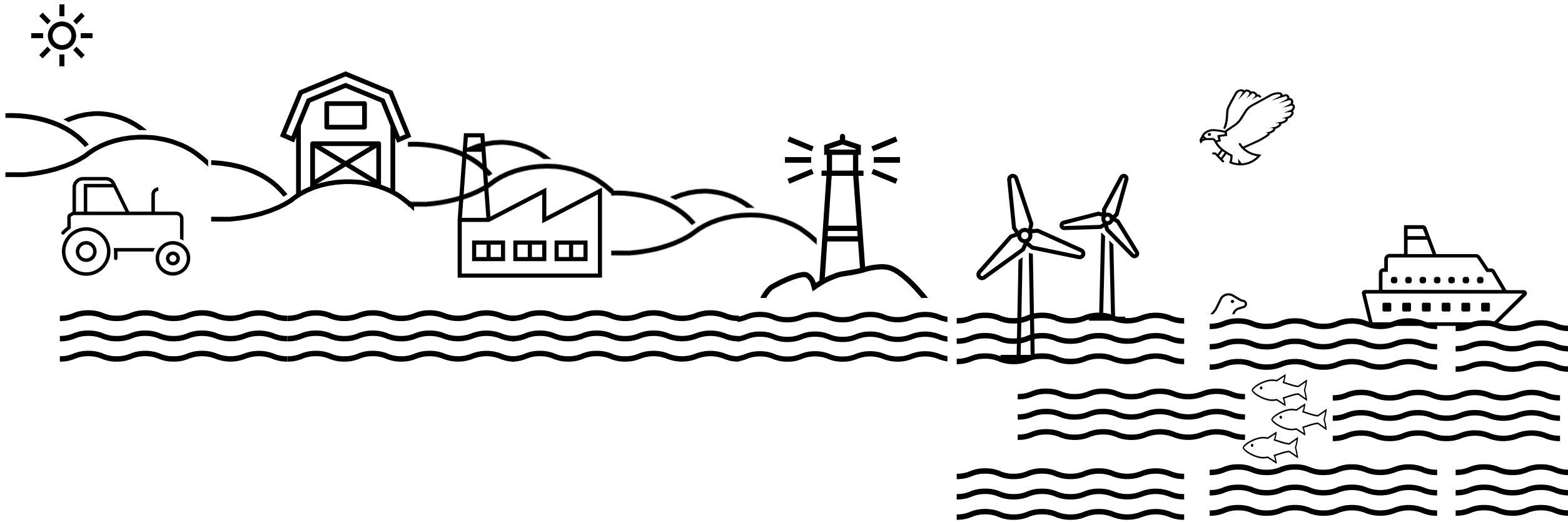


Monitoring and assessment is key for



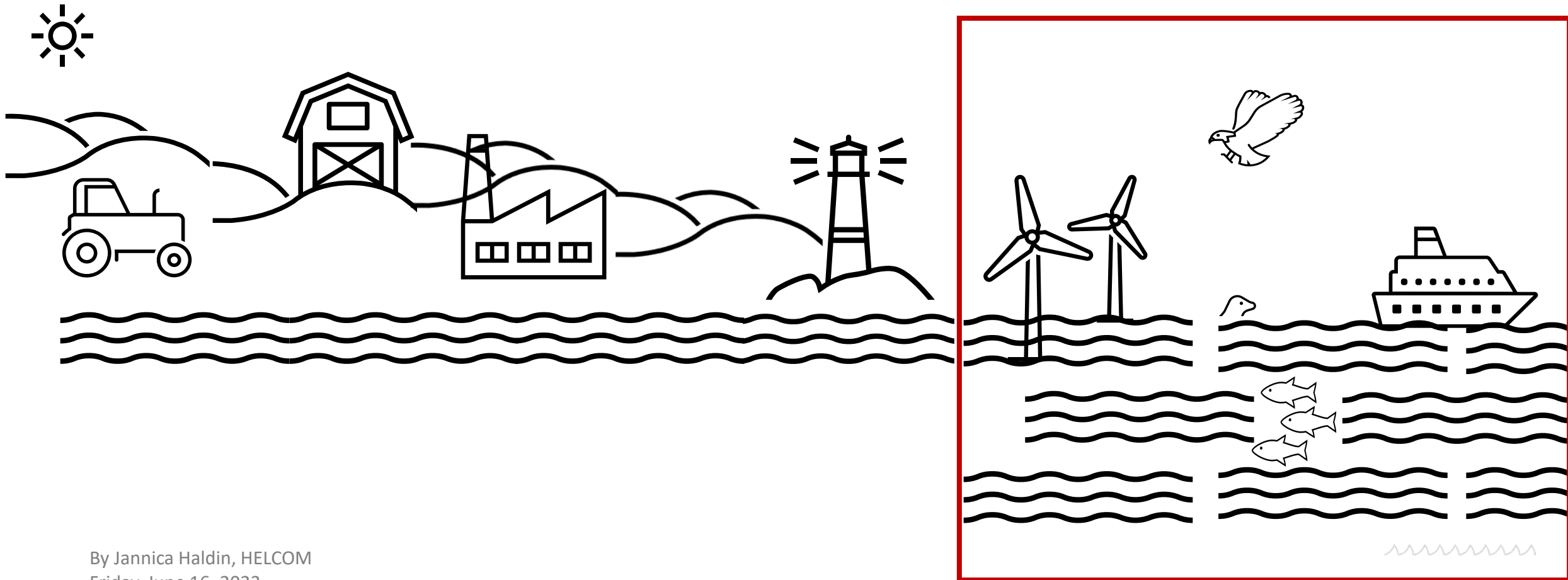
adaptive management.

HELCOM work, MSP and securing GES



By Jannica Haldin, HELCOM
Friday, June 16, 2023

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Thank you for your attention!

