



2024 OCEAN DECADE CONFERENCE

DELIVERING THE SCIENCE WE
NEED FOR THE OCEAN WE
WANT 10-12 APRIL 2024
BARCELONA, SPAIN

As part of the Ocean Decade Week (8-12 April 2024)

Science, the key to unlocking change

The science we need for
the shared ocean we want



2021 United Nations Decade
2030 of Ocean Science
for Sustainable Development

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How innovation delivers the science we need for the ocean we want

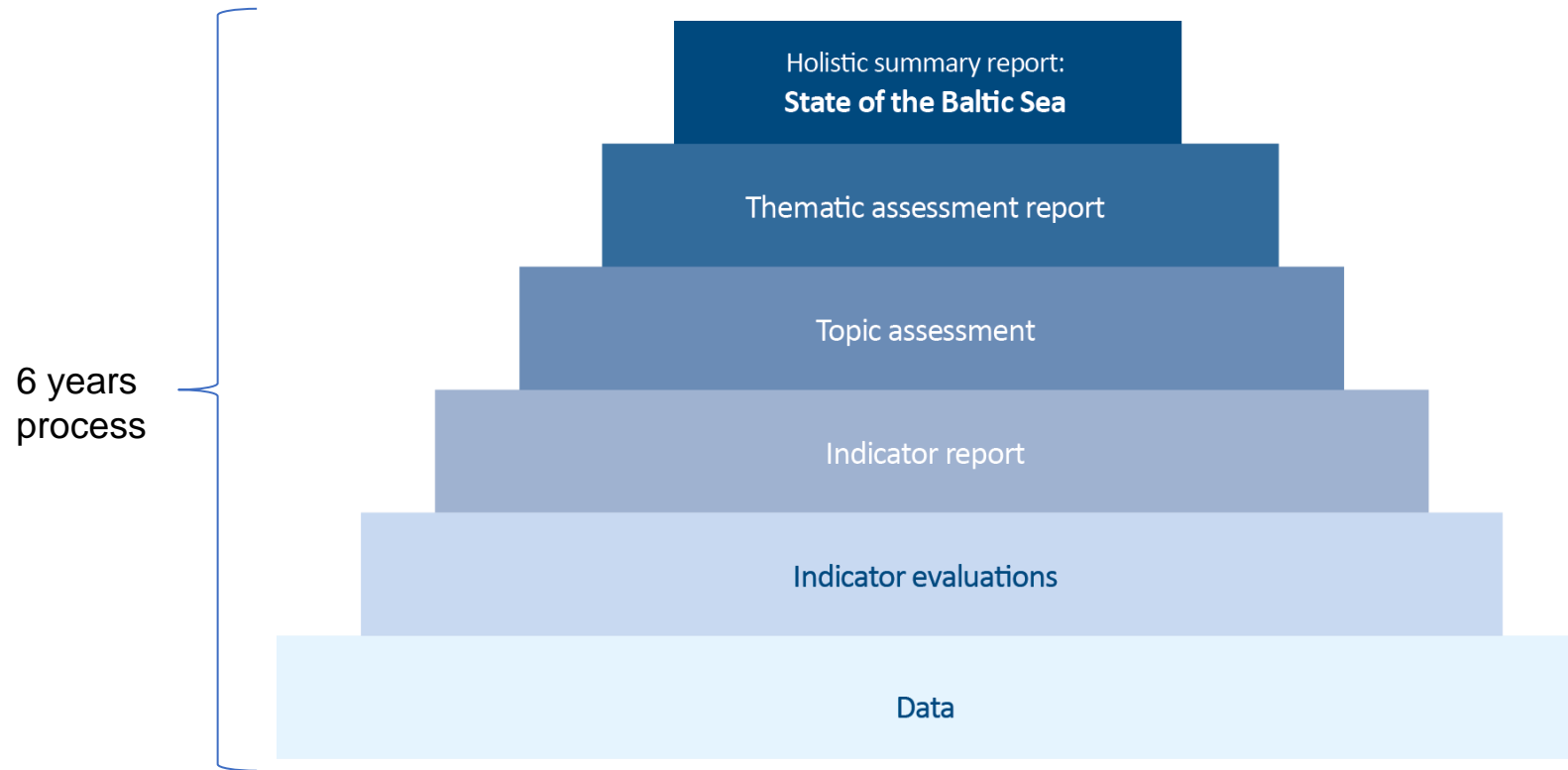
Theodor Hüttel, Project Researcher at HELCOM
Barcelona, UN Ocean Decade 2024



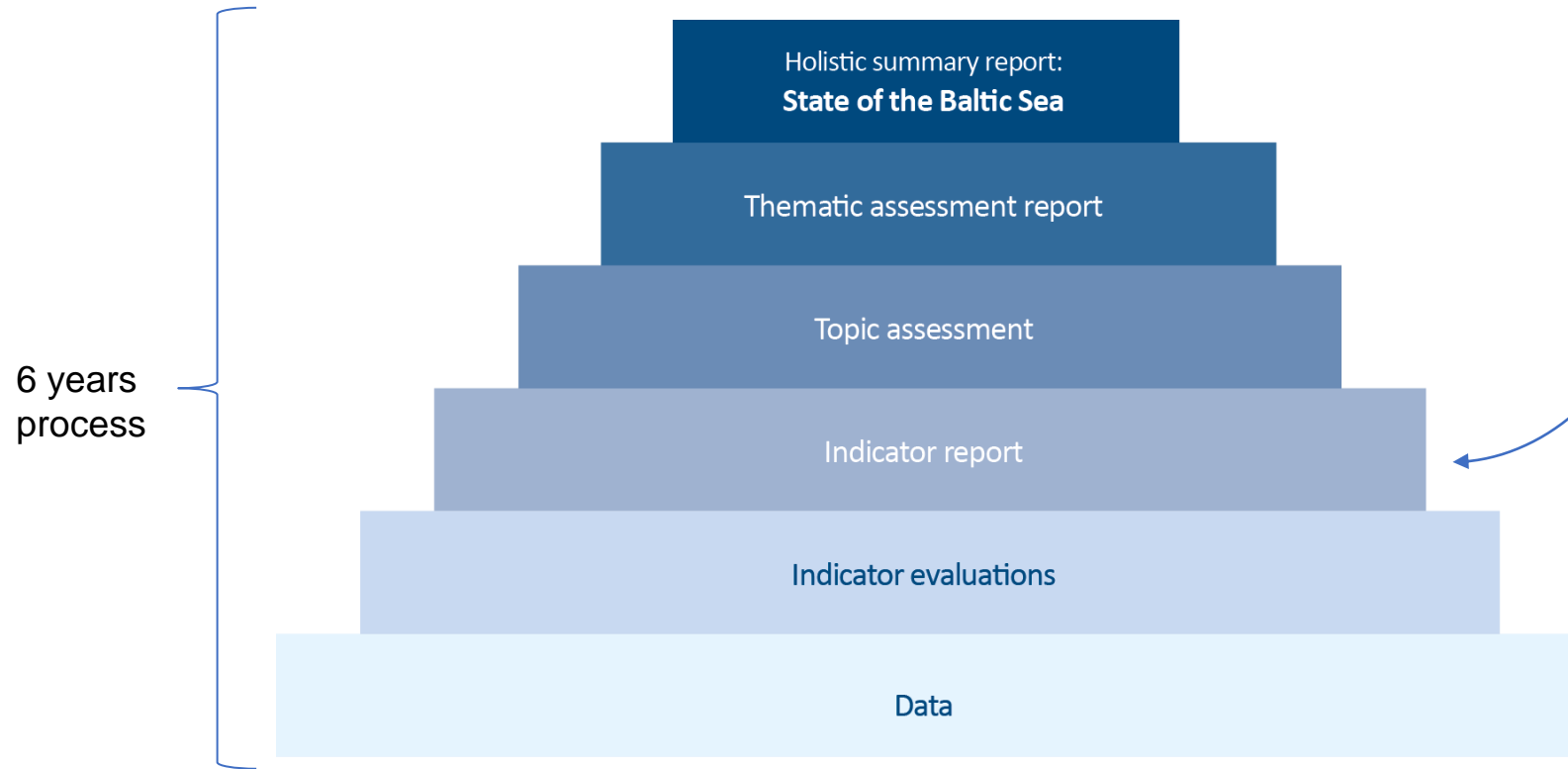
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HELCOM Holistic Assessment (HOLAS) structure



HELCOM Holistic Assessment (HOLAS) structure



My arrival



Case study: Eutrophication assessment



Eutrophication



Case study: Eutrophication assessment

“Eutrophication is a general term describing a process in which nutrients accumulate in a body of water, resulting in an increased growth of microorganisms that may deplete the water of oxygen”

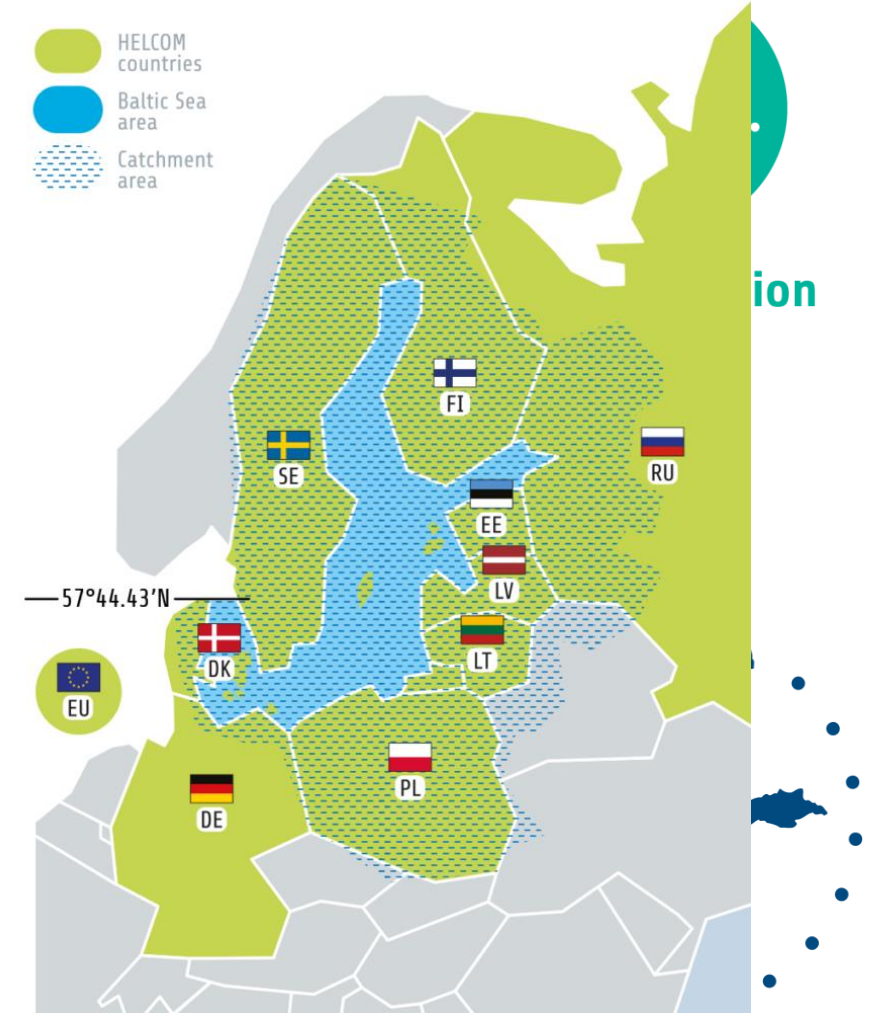


Eutrophication

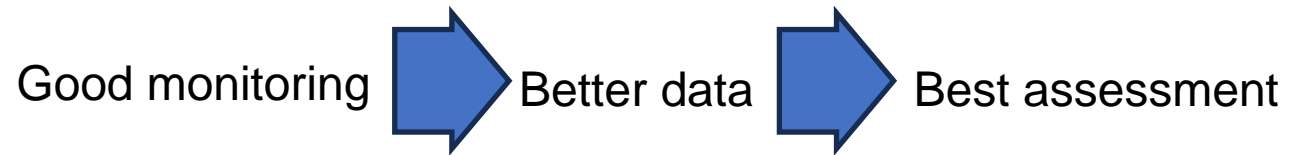


Case study: Eutrophication assessment

“Eutrophication is a general term describing a process in which nutrients accumulate in a body of water, resulting in an increased growth of microorganisms that may deplete the water of oxygen”



Case study: Eutrophication assessment



Case study: Eutrophication assessment

Satellite monitoring, FerryBox and automation

Final dataset for the Chlorophyll indicator:

~180.000 Ferrybox data points

~1.000 Satellite data points

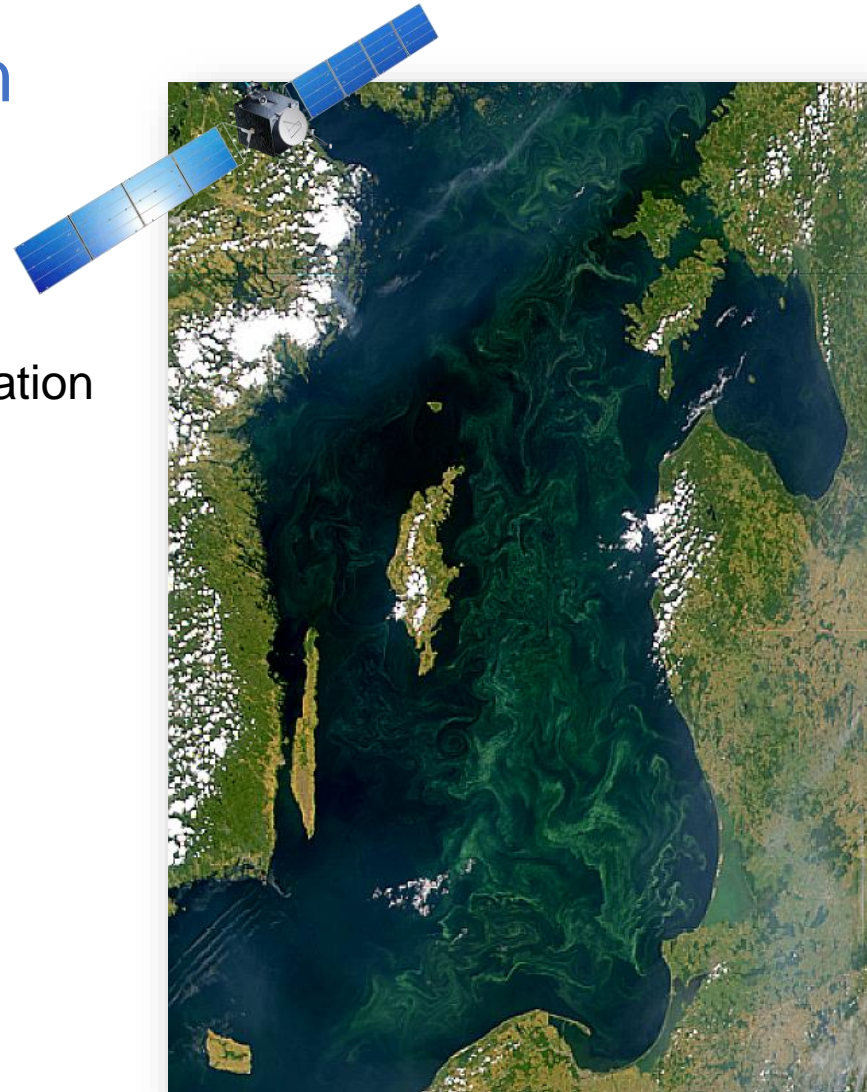


Photo: Visible earth programme, NASA



Eutrophication





Thank you



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Regional Sea Conventions *Together we are stronger*



OSPAR
COMMISSION

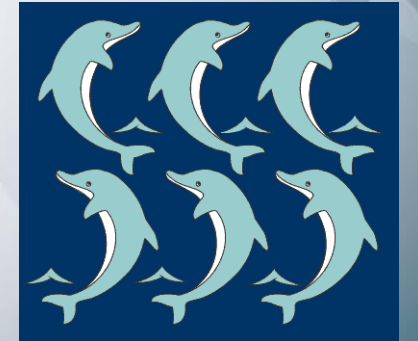


2021 United Nations Decade
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UN 
environment
programme



**Mediterranean
Action Plan
Barcelona
Convention**





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