Technical Workshop on Selecting Indicators for the State of Regional Seas Geneva, 30 June – 2 July 2014

EEA coastal and marine indicators– state of play

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EEA mission



(simplified)

The European
Environment Agency is
the EU body dedicated to
providing sound,
independent information
on the environment

We are a main information source for those involved in developing, adopting, implementing and evaluating environmental policy, and also the general public

European environment information and observation network (Eionet)

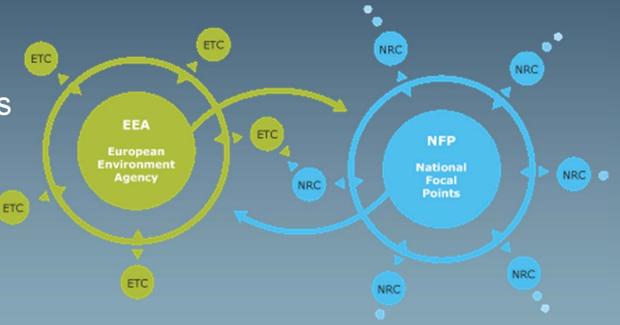
About 350 national institutions

National focal points

European topic centres

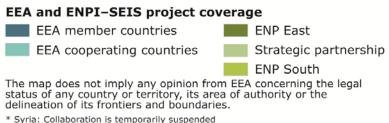
National reference centres

Other institutions

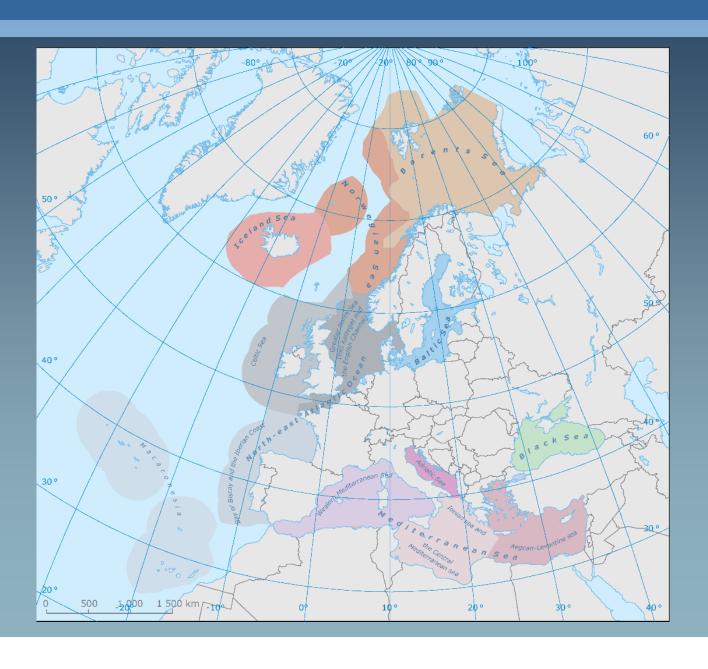


Which are the countries with which EEA collaborates?



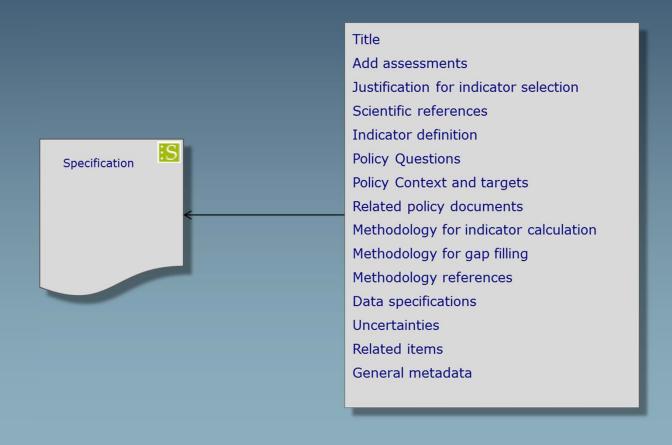


Regional seas surrounding Europe



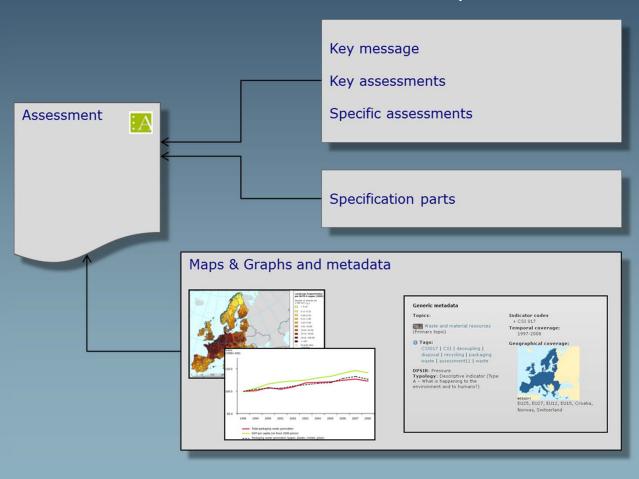
EEA indicators - specification

EEA indicator specification template



EEA indicators - assessment

EEA indicator assessment template



EEA coastal and marine indicators - current

Based on EEA dataset

- Nutrients in transitional, coastal and marine (TCM) waters
- Chlorophyll-a in TCM waters
- Hazardous substances in marine organisms

Based on external datasets

- Status of European fish stocks
- European fishing fleet capacity
- European aquaculture production

EEA coastal and marine indicators – new (2014)

Based on external datasets

- Trends in marine non-indigenous species
- Trends in pathways for introduction of marine nonindigenous species

EEA current "environmental" indicators

CSI021 - Nutrients in transitional, coastal and marine waters

http://www.eea.europa.eu/data-and-maps/indicators/nutrients-in-transitional-coastal-and/nutrients-in-transitional-coastal-and-4

CSI023 – Chlorophyll in transitional, coastal and marine waters

http://www.eea.europa.eu/data-and-maps/indicators/chlorophyll-in-transitional-coastal-and/chlorophyll-intransitional-coastal-and-3

MAR001 – Hazardous substances in marine organisms

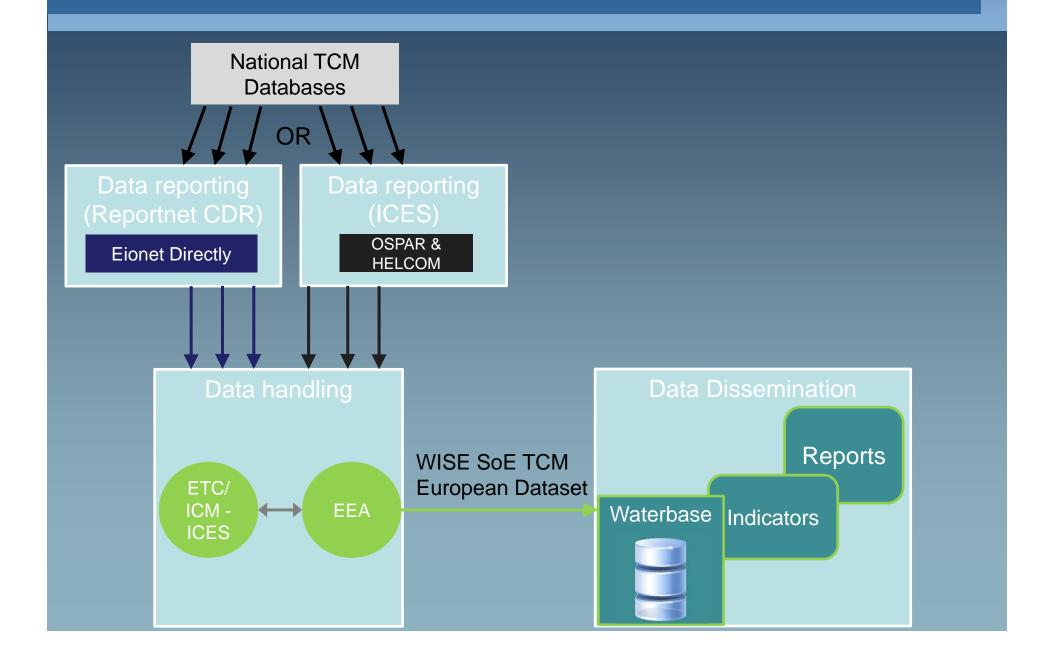
http://www.eea.europa.eu/data-and-maps/indicators/hazardous-substances-in-marine-organisms/hazardous-substances-in-marine-organisms-3

CSI032 – Status of marine fish stocks

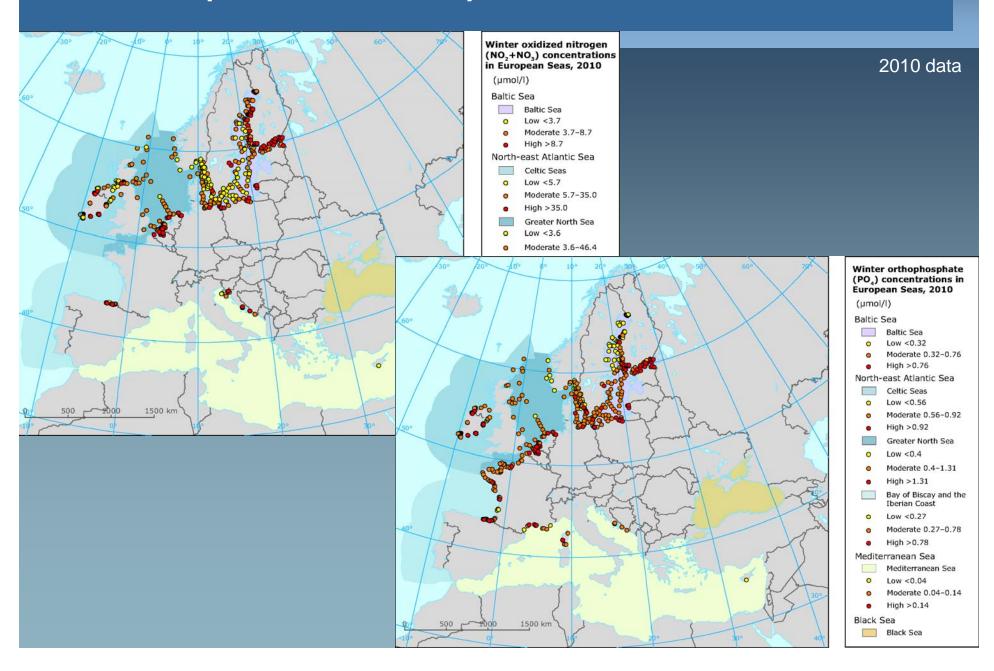
http://www.eea.europa.eu/data-and-maps/indicators/hazardous-substances-in-marine-organisms/hazardous-substances-in-marine-organisms-3

All these indicators will be updated in Autumn 2014

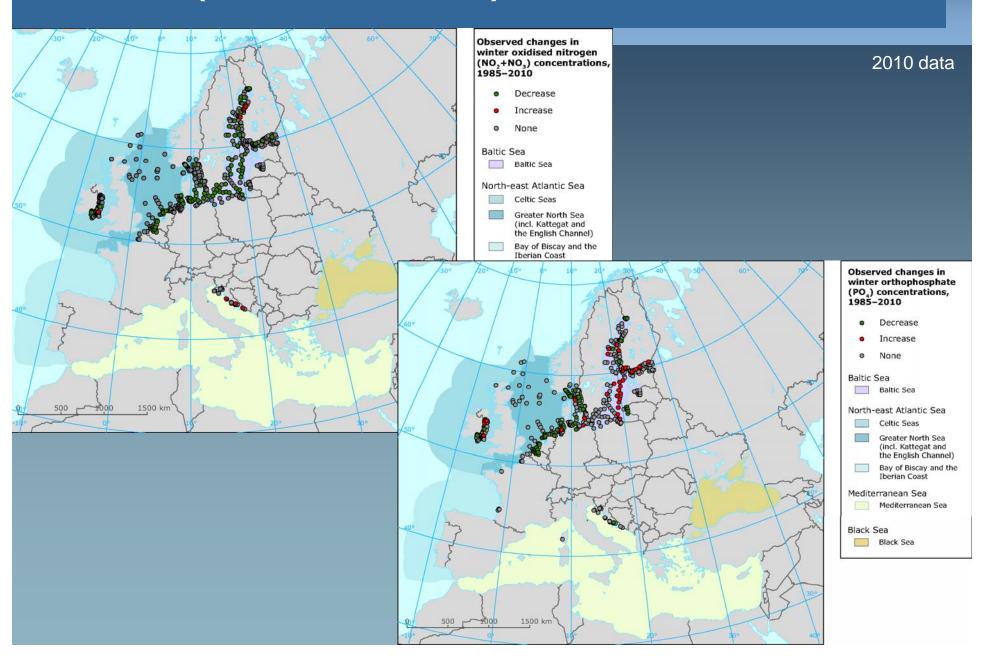
Eionet reporting process of TCM data and data use



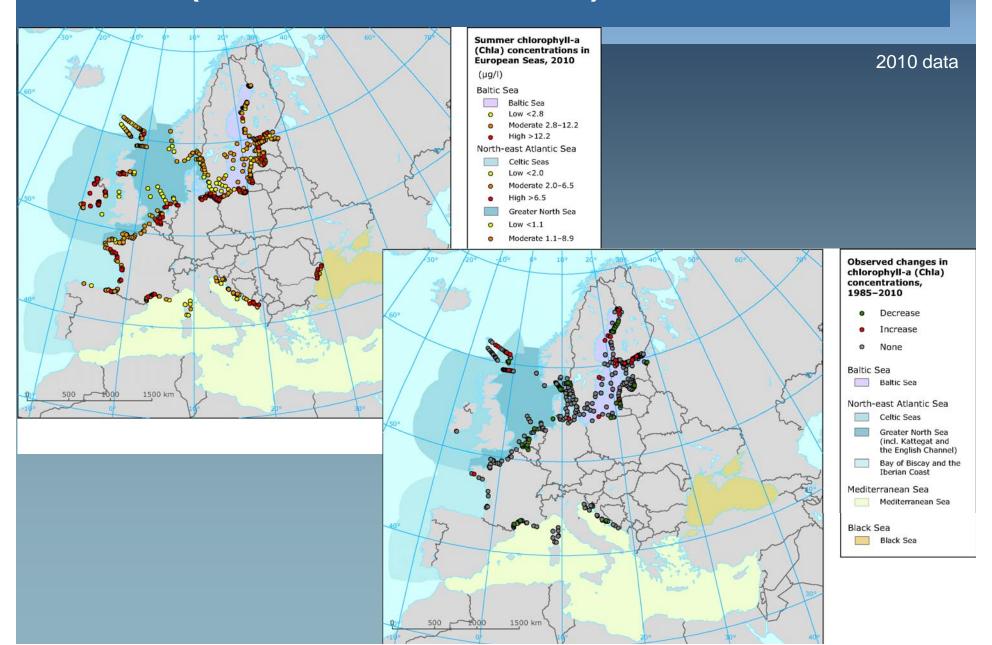
CSI 021 (nutrient levels) - 2011



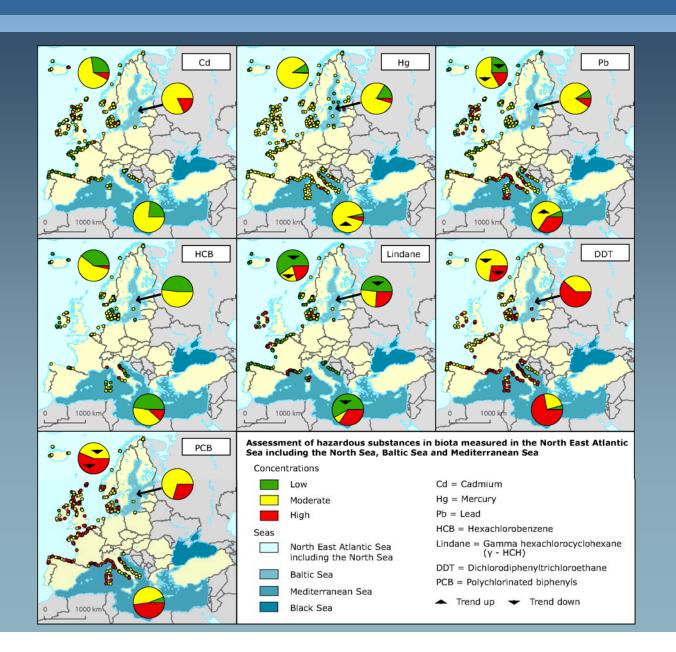
CSI 021 (nutrients trends) - 2011



CSI023 (chla levels and trends) - 2011

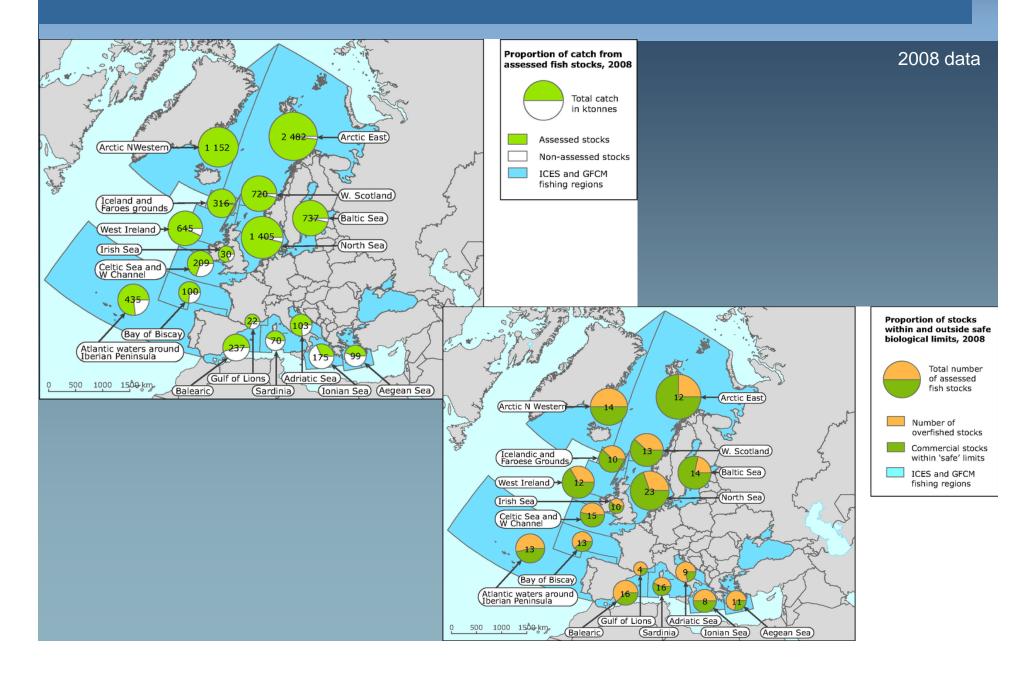


MAR001 (Hazardous Subs. in Biota) - 2011



2010 data

CSI032 (Status of fish stocks) - 2011





Horizon 2020 initiative Context



3rd Euro-Mediterranean Ministerial Conference on environment in Cairo in 2006:

"...endorsed the timetable for the Horizon 2020 initiative for depollution of the Mediterranean Sea by 2020 and agreed to undertake steps to develop national integrated environmental information systems to produce reliable, comparable and timely statistical data and information to support Horizon 2020 aims".

H2020 phase I (2006-13) road-map calls for the monitoring of the initiative:

- five-yearly reports on the state of the environment in the Mediterranean Sea based on an agreed set of indicators
- biennial synthesis progress reports focusing on country assessments

Athens declaration (May 2014) confirmed this mandate Detailed workplan (2014-20) to be adopted by end of the year



Pillars of SEIS - Shared Environmental Information System

- Ministry of Environment
- Statistics department
- National thematic network

- 1. Municipal waste
- 2. Urban Wastewater
- 3. Industrial emissions

<u>M</u>onitoring <u>D</u>ata <u>I</u>nformation <u>A</u>ssessment <u>K</u>nowledge

Content

National and Regional Networks

Cooperation

Infrastructure, Standards and Tools

Infrastructure

- Establishment of long term reporting mechanisms
 - National and regional environmental information systems







Horizon 2020 Key indicators

Waste

- Municipal waste generation, composition
- Volume of municipal waste collected and treated, number, type and location of landfills

Waste water

- Share of population with access to an improved sanitation system (total, urban, rural)
- Volume of wastewater collected, of which volume of wastewater treated, type of treatment)

Industrial emissions

- Nutrient concentrations in transitional, coastal and marine waters
- Release of toxic substances and nutrients from industrial sectors

Thank you for your attention

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Mediterranean area cooperation

Partnerships and Networks

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