



Experience from MSFD 1st cycle and reflections on 2nd cycle

HELCOM ACTION workshop 4.2 - BSAP and MSFD measures to abate eutrophication

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content

- Reporting PoM measures under MSFD D5 and Art 16 Assessment 2018
- BLUE2 JRC Marine Modelling of eutrophication abatement measures
- Possible improvements in PoM implementation and further assessment

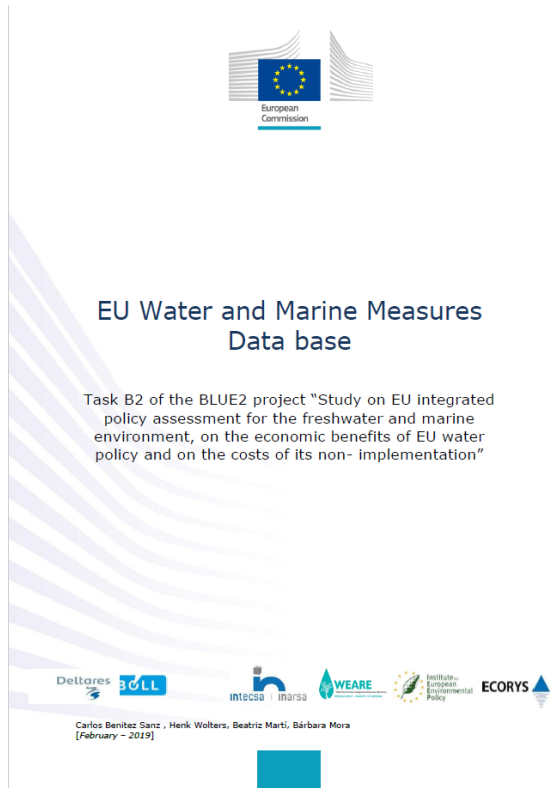
Art 13 Reporting PoMs

Measures	Measure category	Cost-effectiveness analysis (CEA)	Cost-benefit analysis (CBA)
Article 13(1) & 13(2) <i>Measures relevant for the maintenance and achievement of GES under the MSFD that <u>have been adopted under other policies and implemented</u></i>	EXISTING 1.a	No	No
Article 13(1) & 13(2) <i>Measures relevant for the maintenance and achievement of GES under the MSFD that <u>have been adopted under other policies but that have not yet been implemented or fully implemented</u></i>	EXISTING 1.b	No	No
Art 13(3) <i>Additional measures to achieve GES which build on existing EU legislation and international agreements but go beyond what is already required under these</i>	NEW 2.a	Yes* Case by case	Yes* Case by case
Art 13(3) <i>Additional measures to achieve GES which do not build on existing EU legislation or international agreements, i.e. that are completely new</i>	NEW 2.b	Yes	Yes

Art 16 assessment of PoM (2018)

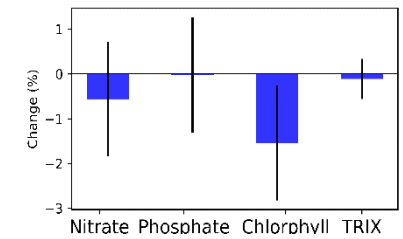
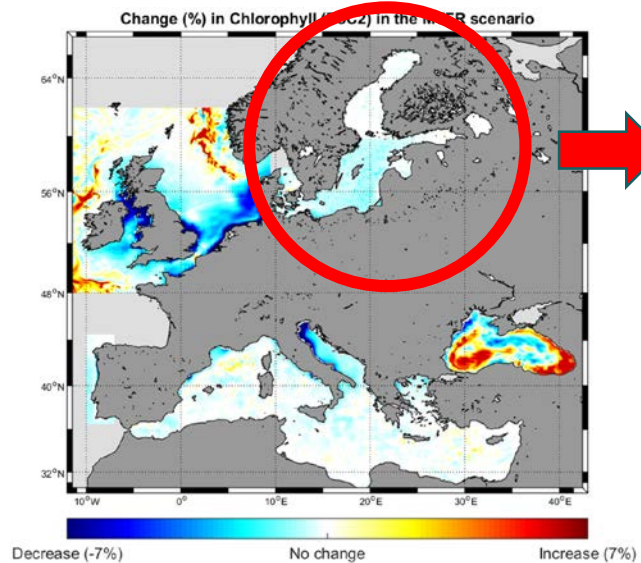
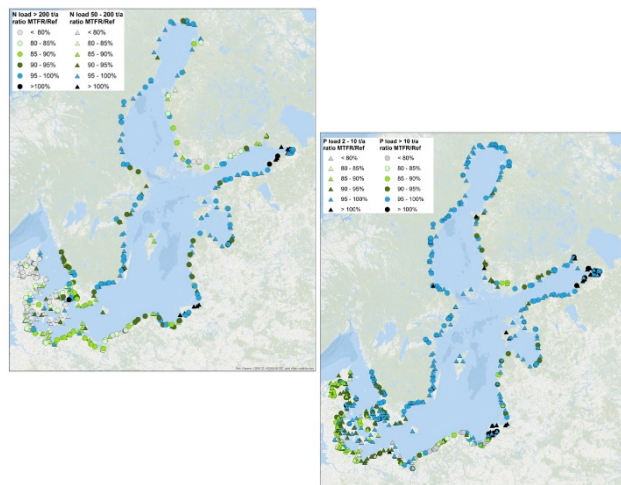
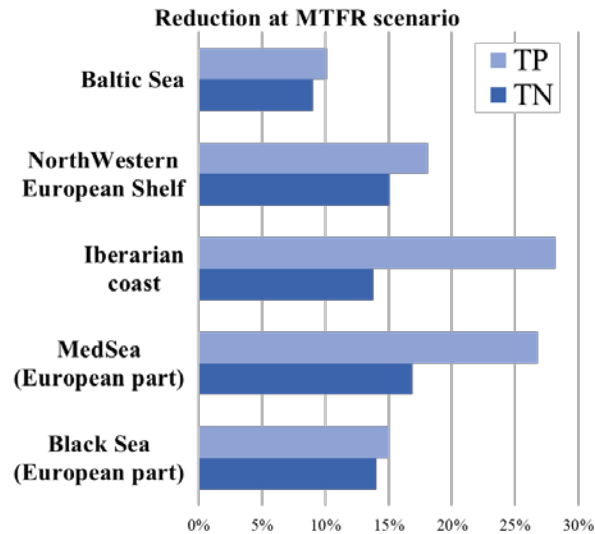
- All MS referred to measures taken in RBMPs to achieve compliance with WFD GES + comply with parameters other water-related legislation.
- Some MS also included more specific measures in their marine strategies:
 - Promoting sustainable aquaculture and agricultural practices
 - Nitrogen Oxides (NOx) emissions control areas for shipping,
 - Constructing appropriate LNG port infrastructure
 - Controlling the discharge of untreated sewage from ships.
- The outlook to (not) achieve GES for D5 is coherent within the individual marine regions
- 8 MS (7 out of 8 Baltic) invoked exceptions under Art 14:
 - All: situations beyond national control
 - In addition: PL: natural conditions
- Scarce information on effectiveness measures
- Late reporting

BLUE2 project 2017-2019

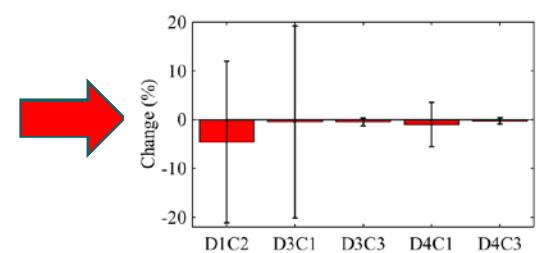


- Inventory measures WFD (KTM) and MSFD
- Extraction relevant information on effectiveness and costs
- Complementary information from other sources
- Definition BAU and MTR scenarios
- Land-based measures
 - UWWTD (storm overflow + new plants)
 - Nitrates Dir
- Marine-based measures
 - Improved management in aquaculture;
 - Management of sewer discharges from ships; and
 - Reduction of NOx emissions from ships.

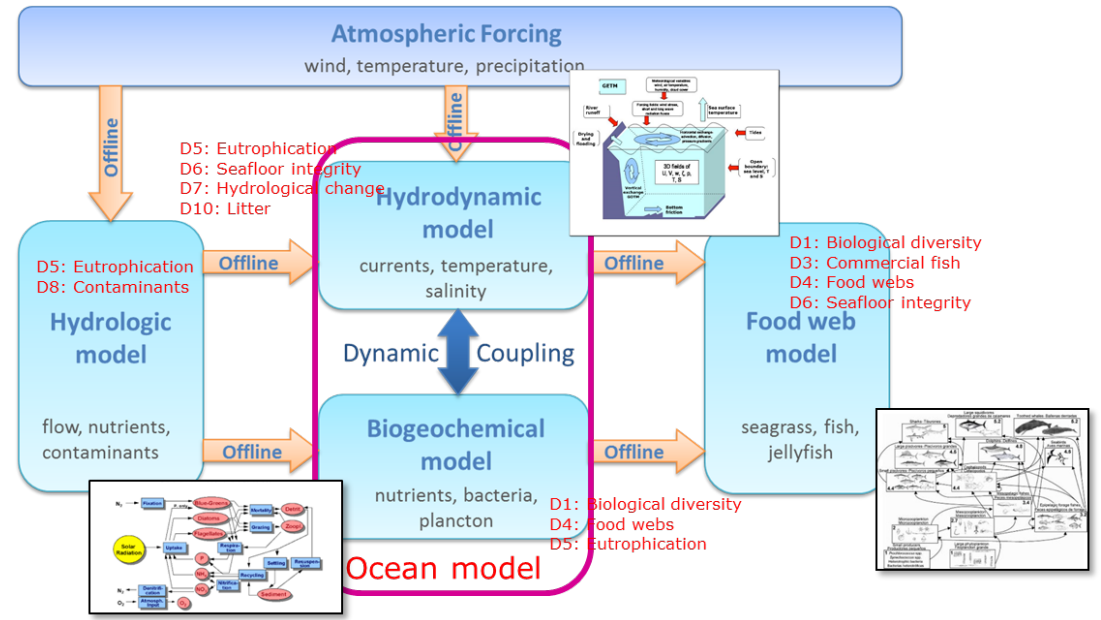
Modelling impact N&P abatement measures on marine ecosystems



→ MTR scenario improve slightly all D5 related indicators



→ Reduction in forage fish biomass and slightly catch however high uncertainty to really understand its pattern

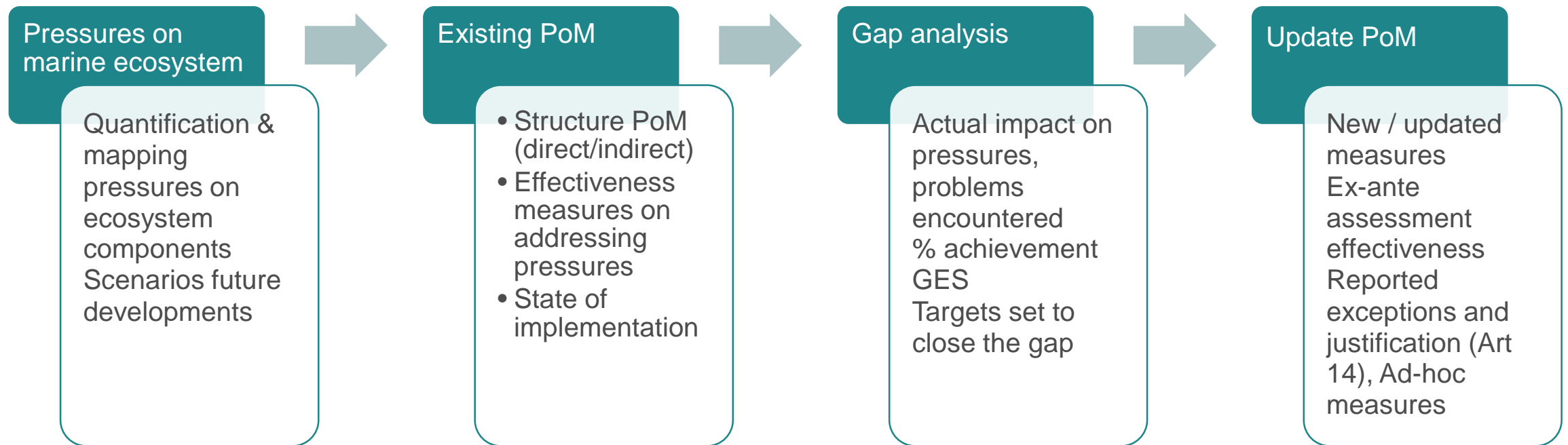


Art 16 assessment of update PoM and exception (2022)

DRAFT

Sources:

- MSFD MS reporting (at Descriptor level, e-reporting, (semi) quantitative, re-use existing MSFD reported information Art 8-9-10-11-18)
- Complementary sources: other reporting processes (WFD, CFP, etc.), RSC, etc.



Assessment:

- Clear and as far as possible quantitative gap analysis, effectiveness & adequacy proposed new measures
- Justification exceptions
- Requirement international action (regional co-operation, Art 15 EU action, etc.)

Thank you

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