HELCOM State of the Baltic Sea report (HOLAS II) – first results

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Baltic Sea Environment Proceedings No. 122
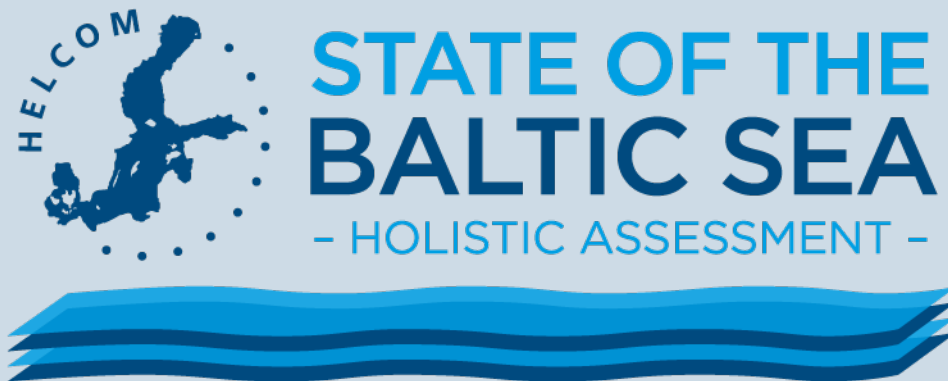
Ecosystem Health of the Baltic Sea
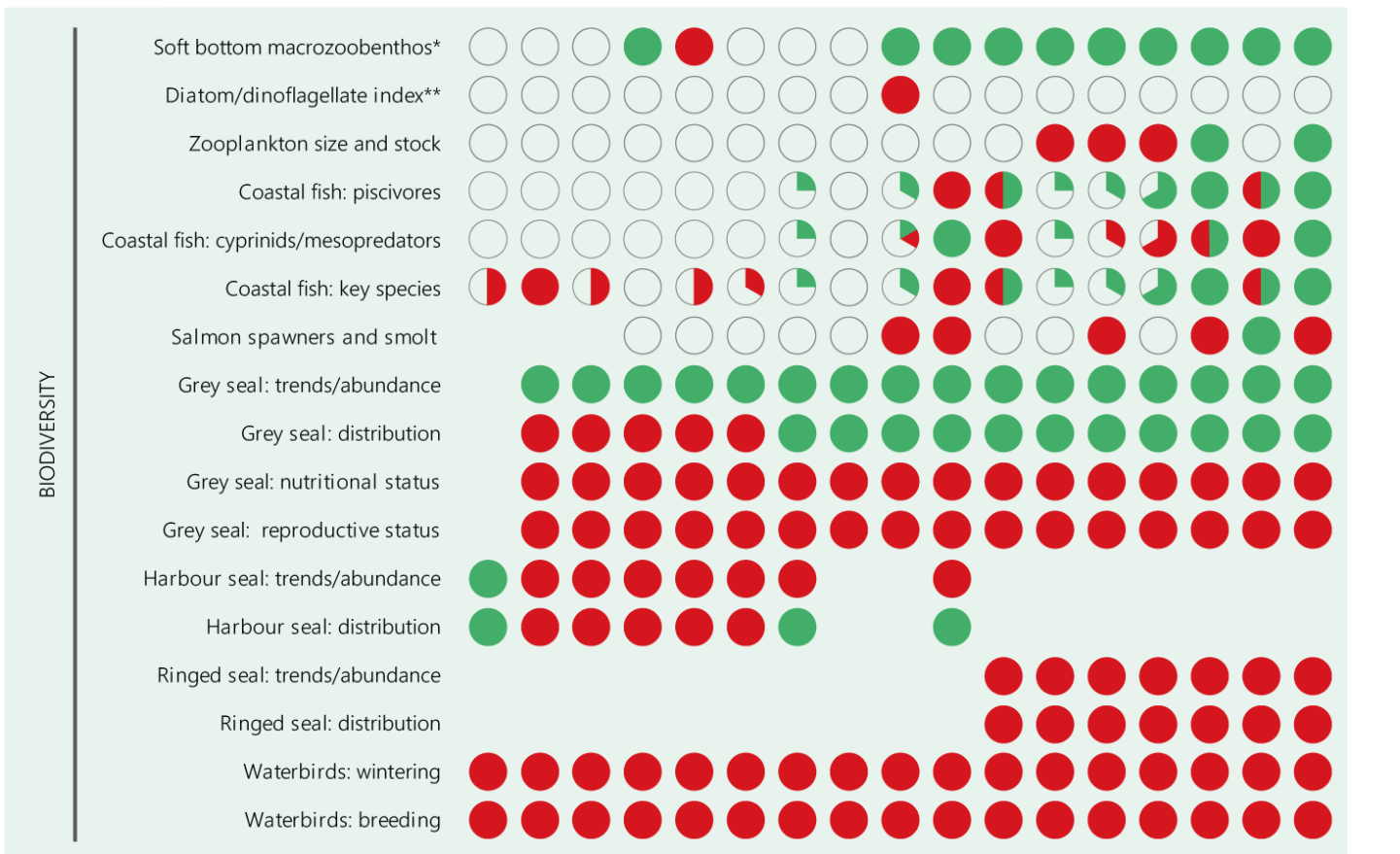
HELCOM Initial Holistic Assessment

Helsinki Commission
Baltic Marine Environment Protection Commission

STATE OF THE BALTIC SEA
– HOLISTIC ASSESSMENT –

First results, submitted to HELCOM HOD 52-2017 for approval

STATUS OF BIODIVERSITY CORE INDICATORS IN THE SUB-BASINS OF THE BALTIC SEA

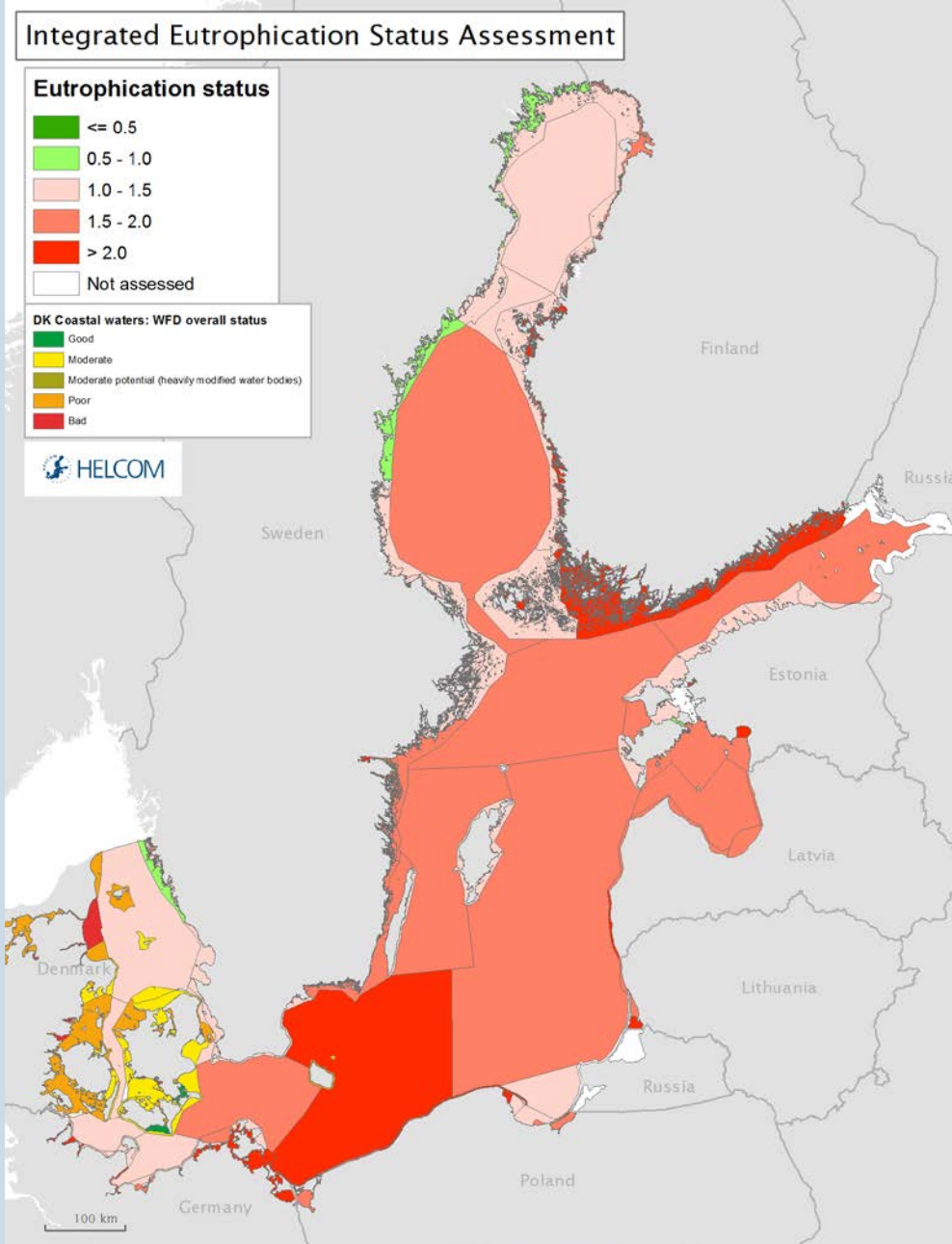HELCOM

BIODIVERSITY	Kattegat	Great Belt	The Sound	Kiel Bay	Bay of Mecklenburg	Arkona Basin	Bornholm Basin	Gdansk Basin	Eastern Gotland Basin	Western Gotland Basin	Gulf of Riga	Northern Baltic Proper	Gulf of Finland	Åland Sea	Bothnian Sea	The Quark	Bothnian Bay
Soft bottom macrozoobenthos*	○	○	○	● green	● red	○	○	○	● green	● green	● green	● green	● green	● green	● green	● green	● green
Diatom/dinoflagellate index**	○	○	○	○	○	○	○	● red	○	○	○	○	○	○	○	○	○
Zooplankton size and stock	○	○	○	○	○	○	○	○	○	● red	● red	● red	● red	○	○	○	● green
Coastal fish: piscivores	○	○	○	○	○	◐ green	○	◐ green	● red	◐ green	◔ green	◔ green	◐ green	◐ red	● green	● green	● green
Coastal fish: cyprinids/mesopredators	○	○	○	○	○	◔ green	○	◐ red	● green	● red	◔ green	● red	◐ red	● red	● green	● red	● green
Coastal fish: key species	◐ red	● red	◐ red	○	◐ red	◔ red	◔ green	○	◔ red	● red	◔ green	◔ green	◔ green	● green	◐ green	● green	● green
Salmon spawners and smolt				○	○	○	○	● red	● red	○	○	● red	○	○	● red	● green	● red
Grey seal: trends/abundance	● green	● green	● green	● green	● green	● green	● green	● green	● green	● green	● green	● green	● green	● green	● green	● green	● green
Grey seal: distribution	● red	● red	● red	● red	● green	● green	● green	● green	● green	● green	● green	● green	● green	● green	● green	● green	● green
Grey seal: nutritional status	● red	● red	● red	● red	● red	● red	● red	● red	● red	● red	● red	● red	● red	● red	● red	● red	● red
Grey seal: reproductive status	● red	● red	● red	● red	● red	● red	● red	● red	● red	● red	● red	● red	● red	● red	● red	● red	● red
Harbour seal: trends/abundance	● green	● red	● red	● red	● red	● red	● red		● red								
Harbour seal: distribution	● green	● red	● red	● red	● red	● red	● green		● green								
Ringed seal: trends/abundance										● red	● red	● red	● red	● red	● red	● red	● red
Ringed seal: distribution										● red	● red	● red	● red	● red	● red	● red	● red
Waterbirds: wintering	● red	● red	● red	● red	● red	● red	● red	● red	● red	● red	● red	● red	● red	● red	● red	● red	● red
Waterbirds: breeding	● red	● red	● red	● red	● red	● red	● red	● red	● red	● red	● red	● red	● red	● red	● red	● red	● red

Core indicator agreed to be tested in this assessment
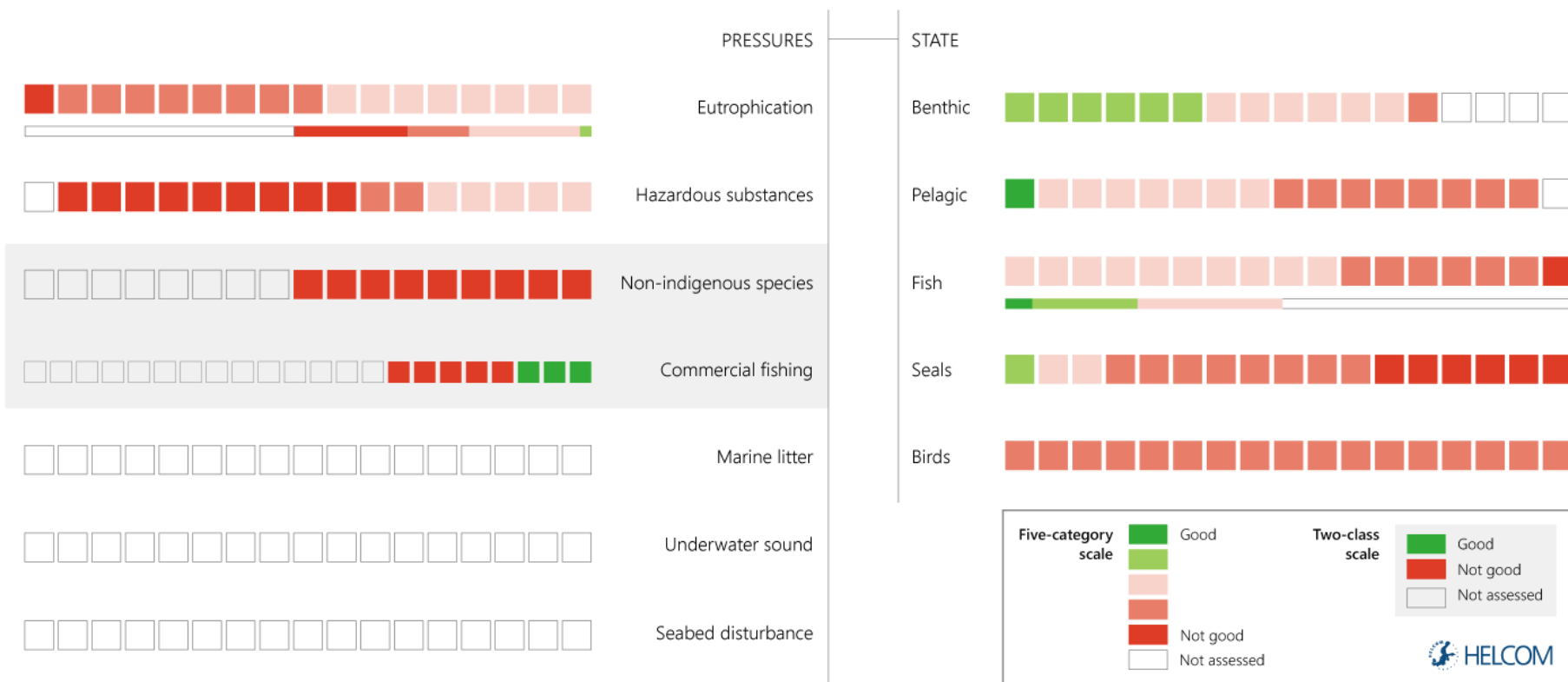*** Pre-core indicator agreed to be tested in this assessment*

First results, submitted to HELCOM HOD 52-2017 for approval

Integrated assessments based on the core indicators

First results, submitted to HELCOM HOD 52-2017 for approval

SUMMARY OF THE ASSESSMENT OF PRESSURES AND STATE FOR THE WHOLE BALTIC SEA

PRESSURES | STATE

Eutrophication — Benthic

Hazardous substances — Pelagic

Non-indigenous species — Fish

Commercial fishing — Seals

Marine litter — Birds

Underwater sound

Seabed disturbance

Five-category scale: Good / Not good / Not assessed

Two-class scale: Good / Not good / Not assessed

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Publications

*Summary report
with complete overview
and key messages*

STATE OF THE BALTIC SEA REPORT

*Method descriptions
and more detailed
results*

Supplementary material
- Integrated assessment of biodiversity
- Integrated assessment of eutrophication
- Integrated assessment of hazardous substances
- Cumulative impacts (Baltic Sea Impact index)
- Economic and social analyses
- Assessment of hydrographical impacts
- Assessment of cumulative impacts on the seafloor

Other HELCOM assessments
supporting HOLAS II
- Maritime activties
- Pollution load compilation
- Etc.

*Indicator approaches
and assessments,
data sources*

Core indicator reports

Spatial data fact sheets on
- human activities
- pressures
- ecosystem components

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