

Sufficiency of measures (SOM) analysis

SOM Platform 5-2020

Document 2-1-Rev.1 and Attachments 1-6

Heini Ahtiainen

ACTION project, HELCOM Secretariat



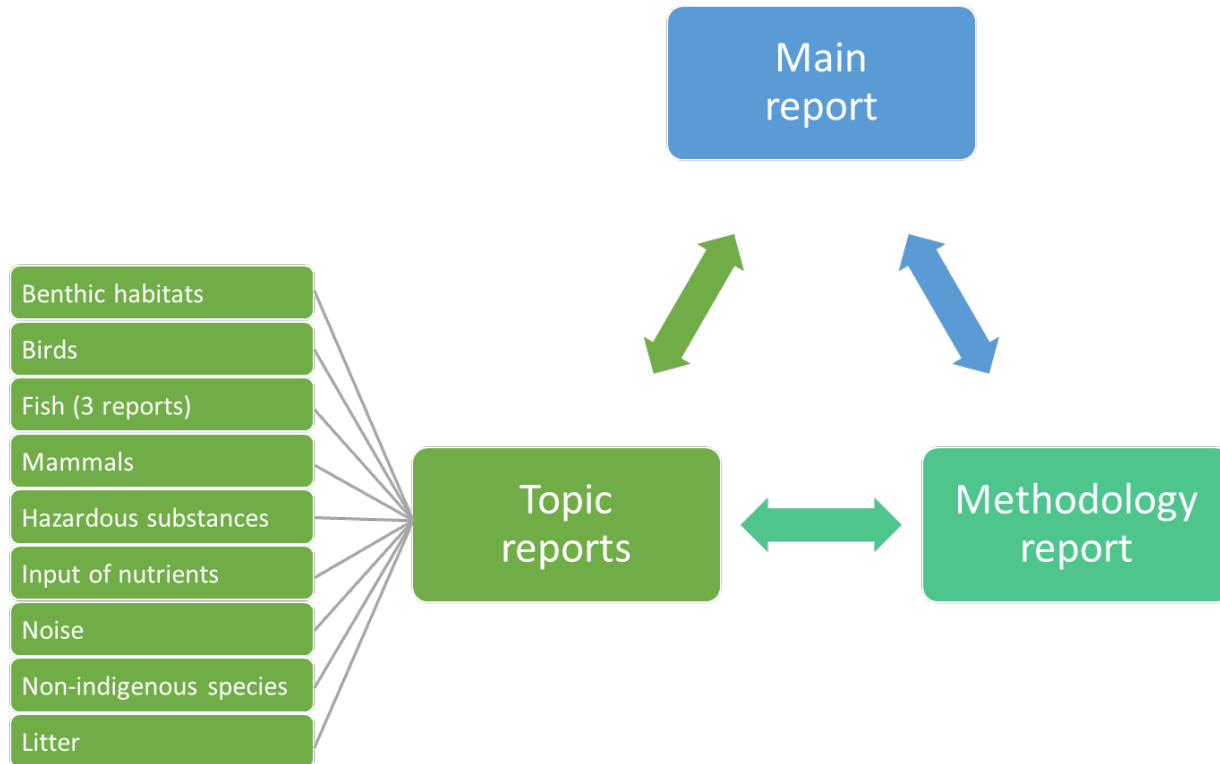
Co-funded by the
European Union

The meeting is invited to

- consider and comment the final results of the SOM analysis
- discuss and provide guidance on the reports that present the results of the SOM analysis



Outputs from the SOM analysis



1. Methodology report
 1. Detailed approach and model description
2. Topic reports
 - i. Detailed methodology and results for the topic
3. Main report
 - i. Easier access to SOM results
 - ii. Summary of the main findings
 - iii. New perspectives and insights not found in topic reports



Status of SOM analysis

- SOM work/ACTION project ends 2020 – all work finished by the end of this year
- Model estimations updated in October
- Reporting ongoing
 - Feedback and comments from various groups and meetings taken into consideration



Status of reports

- Methodology report - Ready
- Topic reports - All reports except litter have been sent for comments to topic experts
- Main report
 - Outline ready, work ongoing
 - Proposal that HOD considers as background material to 2021 Ministerial Meeting and publication as BSEP



Topic report examples

1. Hazardous substances
 2. Marine mammals
 3. Input of nutrients
 4. Benthic habitats
 5. Non-indigenous species
 6. Noise
- Same format and structure for other topic reports
 - Format of presentation dependent on the amount of data
 - Some elements still missing/dependent on input from topic experts



Main additions/changes to topic reports

- Additions
 - Literature estimates on effectiveness of measures
 - Alternative scenarios on human development
 - Impacts of existing measures (to be added)
- Results discussed in mainly a qualitative manner
- More discussion, interpretation and evaluation
- Box to summarize main results



Overview of results 1/2

Probability to achieve GES with existing measures

Topic	State component	Geographic Areas																
		Kattegat	The Sound	Great Belt	Kiel Bay	Bay of Mecklenburg	Arkona Basin	Bornholm Basin	Eastern Gotland Basin	Gdansk Basin	Western Gotland Basin	Northern Baltic Proper	Gulf of Riga	Gulf of Finland	Åland Sea	Bothnian Sea	The Quark	Bothnian Bay
Hazardous substances	Mercury concentration	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	TBT concentration	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	PFOS concentration	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Diclofenac concentration	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Marine Mammals	Grey seal	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Ringed seal										●	●	●	●		●	●	
	Harbour seal	●	●	●	●	●	●			●								
Waterbirds	Common eider - Breeding Season	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Great cormorant - Breeding Season	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Sandwich tern - Breeding Season	●	●	●	●	●	●	●	●	●	●	●						



Overview of results 2/2

Probability to achieve GES for commercial fish

Topic	State	Kattegat	The Sound	Great Belt	Kiel Bay	Bay of Mecklenburg	Arkona Basin	Bornholm Basin	Western Gotland Basin	Gdansk Basin	Eastern Gotland Basin	Northern Baltic Proper	Gulf of Finland	Åland Sea	Gulf of Riga	Bothnian Sea	The Quark	Bothnian Bay	
Commercial fish	Cod		●	●	●	●	●	●	●	●	●	●	●	●	●	●			
	Herring	●	●	●	●	●		●	●	●	●	●	●	●	●	●			
	Sprat		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
	Plaice	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		



Potential uses of SOM results

- whether good status can be achieved with existing measures
- most significant pressures affecting state components
- pressure reductions from existing measures
- most impactful measure types for each pressure and associated existing measures
- main activities causing pressures
- implementation status of existing measures
- links from existing measures to activities and pressures
- the impact of changes in the extent of human activities to pressures and achievement of state improvements



Use of SOM results

- Depends generally on the topic and in some cases individual result
- Should not be used as simple rules to decide which actions to include in the updated BSAP and which not
- Could be possible to develop a categorization that indicates possible reservations on the use of the results
 - Based on number of contributing experts, certainty, experts' confidence in their evaluation, data source (expert vs. other), results of other assessments and experience gained through the SOM process on how it has worked
 - By topic or result element
 - Would represent the project's view
 - Range from no reservations to major reservations





Warm thanks for your participation and contributions!