Section 1: HELCOM website structure towards HOLAS 3

This section addressed the proposal for the general structure of the HELCOM website for indicators. The structure and website itself is addressed first, with design aspects to be added later. The later parts of this section then address the application of the indicator template (as outlined above in section 1) within the online view (website).
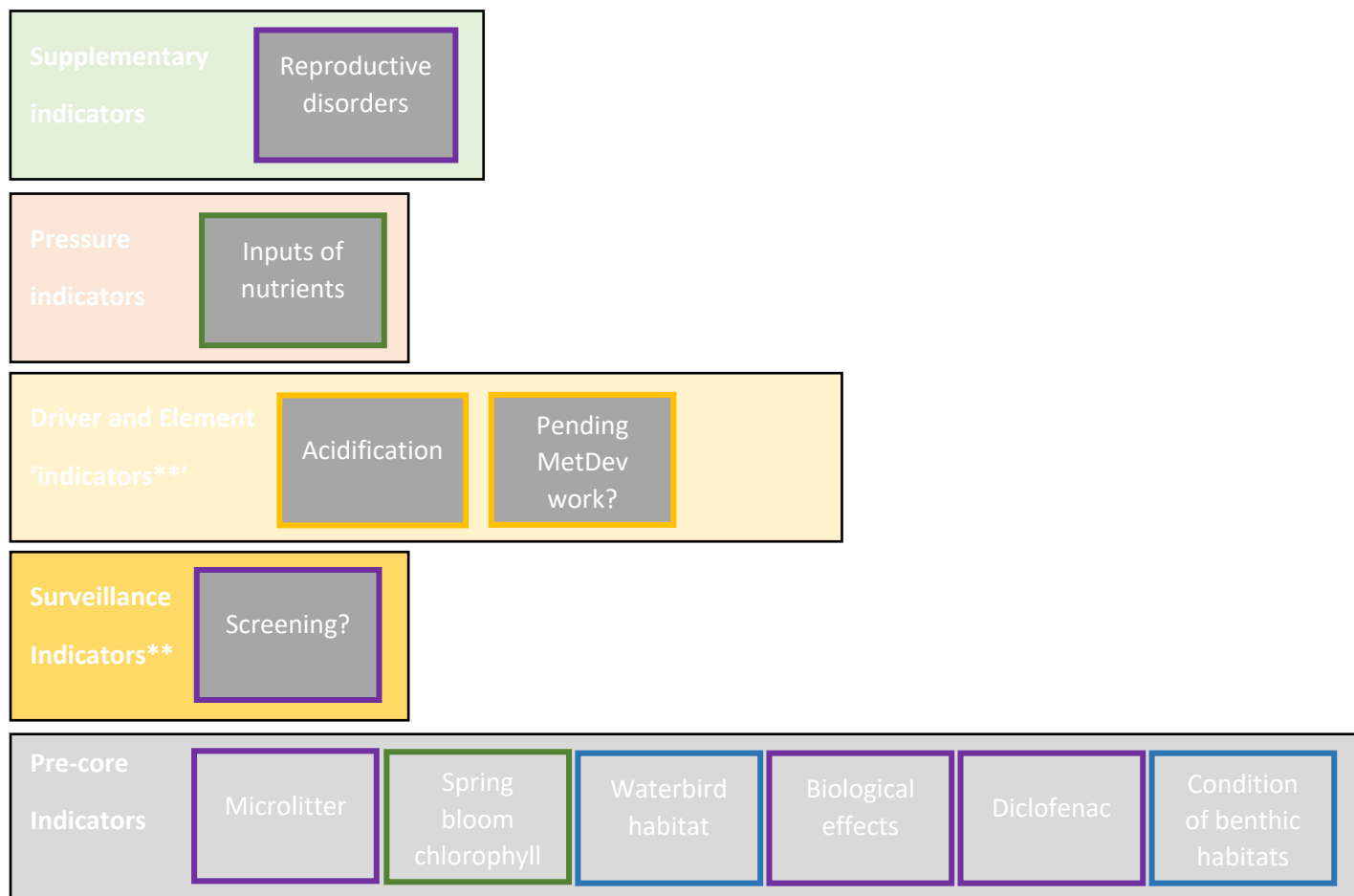
First level of web page view:

This section represents the front page of the new indicator website. Art/graphics and design will be added at a later implementation stage. In addition to graphics and design, colour will be used to link to the BSAP segments. The process addressed by this document is on gaining endorsement on the proposed structure, including on the presentation and/or division of indicators to allow a hierarchical presentation approach within the website.

The names included within this section also represent the proposals for the 'short names' or abbreviations for the indicators to facilitate easier presentation in online formats. At the technical implementation stage it will also be explored if it will be possible for the full name of the indicators to appear when the cursor is place over the name/image.

Within the 'first level' view on the indicator web page the indicators are divided into clear sections based on type and level of development/approval to ensure clarity on the divisions applied. This factor will also be included as a design component so that there is, for example, clear visual differentiations between core and pre-core indicators, or status and pressure indicators.

Section 1: HELCOM website structure towards HOLAS 3

The presentation below provides an overview of the proposed 'first level' view of the indicator webpage.

Information	Indicator manual	Threshold values

Status indicators

Grey seals *	Harbour seals*	Ringed seals*	Harbour porpoise*	Waterbirds *	Bycatch	Coastal fish *	Migratory fish*
Commercial Fish*	Zoo-plankton	Phyto-plankton	Benthic habitats*				
Nitrogen*	Phosphorus *	Water transpar-ency	Oxygen*	Chlorophyll	Cyano-bacterial blooms		
Metals*	TBT and imposex	Radioactive substances	Persistent organic pollutants*	Sea eagle			
Marine litter*	Underwater noise*						
Oil spills	Non-indigenous specis						

*these indicators/categories relate directly to the following pages and proposals included therein.
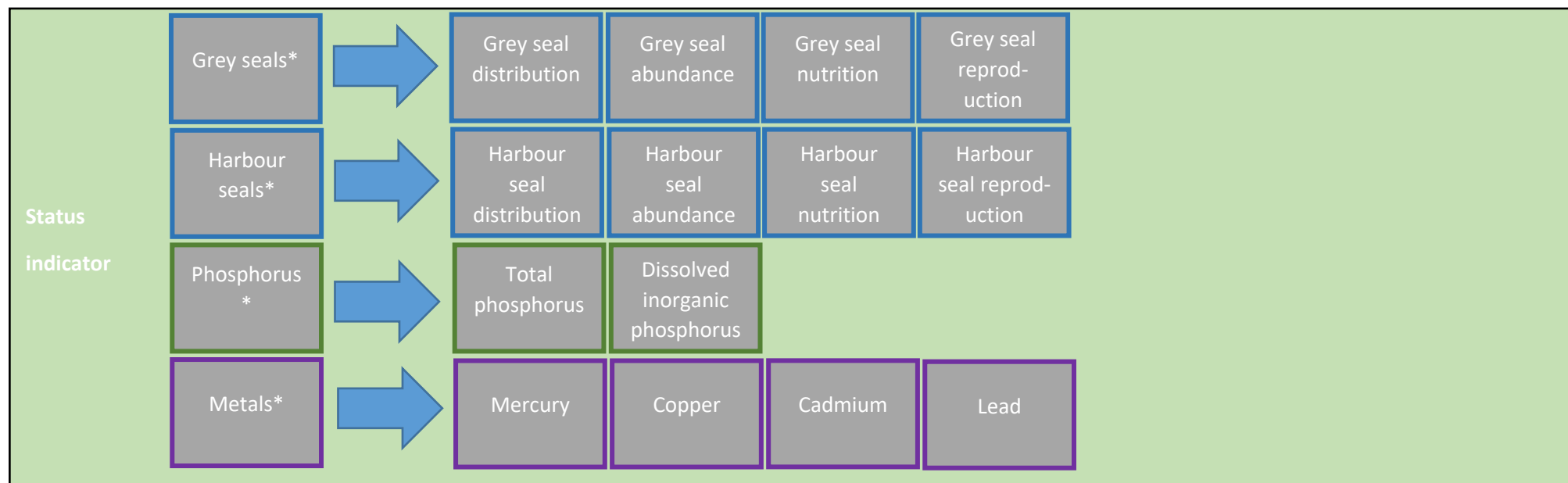
**the driver and element (and surveillance) indicators will not contain threshold values and are more reminiscent of 'fact sheets'.

The information section will provide 1) a direct link to the published indicator manual, and 2) a listing of all the approved threshold values and the relevant HELCOM meetings where they were approved.

'Second level' of web page view:

Those 'boxes' marked with * in the above image are represented in this section, i.e. once clicking on the logo/name of the 'first level' image that summarises a species or group of items it will open the a new series of logos/names that enter the specific indicator topics (see image example below).

Here a few examples are given visually, but below a full listing is made in text form to identify the details and to show the proposed 'short names'.

The table below presents the 'second level' division (note that some of the indicators currently listed here are undergoing development and approval processes etc so the listing may not be the final 'outcome' at HOLAS 3 and indicators currently listed here may for example end up under pre-core for HOLAS 3). Thus, this is simply an example to plan the structure of the web page and indicator reports.
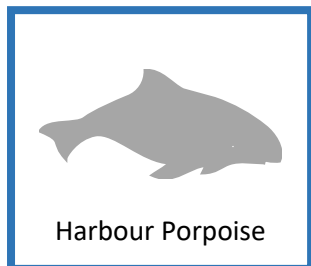
First level name	Grey seals*	Harbour seals*	Ringed seals*	Harbour porpoise*	Waterbirds*	Coastal fish*	Migratory fish*	Commercial fish*	Benthic habitats*
Second level division (short names)	Grey seal distribution	Harbour seal distribution	Ringed seal distribution	Harbour porpoise distribution	Waterbirds breeding season	Coastal fish key groups	Salmon abundance	TBC	Cumulative impact on benthic habitats
	Grey seal abundance	Harbour seal abundance	Ringed seal abundance	Harbour porpoise abundance	Waterbirds wintering season	Coastal fish key species	Trout abundance	TBC	Soft-bottom macrofauna
	Grey seal nutrition	Harbour seal nutrition	Ringed seal nutrition	Harbour porpoise nutrition	Waterbirds breeding success	Coastal fish size structure			Condition of benthic habitats
	Grey seal reproduction	Harbour seal reproduction	Ringed seal reproduction	Harbour porpoise reproduction	Waterbird habitat				

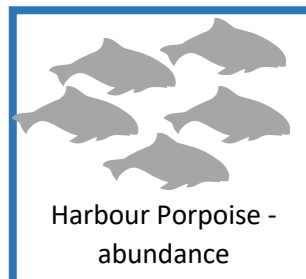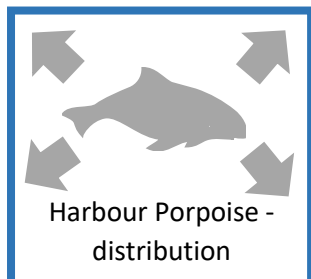| First level name	Nitrogen*	Phosphorus*	Oxygen*	Metals*	Persistent organic pollutants*	Marine litter*	Underwater noise*
Second level division (short names)	Total nitrogen	Total phosphorus	Oxygen debt	Mercury	Hexabromocyclododecane	Beach litter	Continuous noise
	Dissolved inorganic	Dissolved phosphorus	Shallow water oxygen	Lead	Polybrominated biphenyl ethers	Seafloor litter	Impulsive noise
				Cadmium	Perfluorooctane sulphonate		
				Copper	Polychlorinated biphenyls, dioxins and furans		
					Polyaromatic hydrocarbons and metabolites		

Simplified example of basic design for website

Below a simplified example of how the two-level hierarchical website presentation, and rough design idea, would be applied.
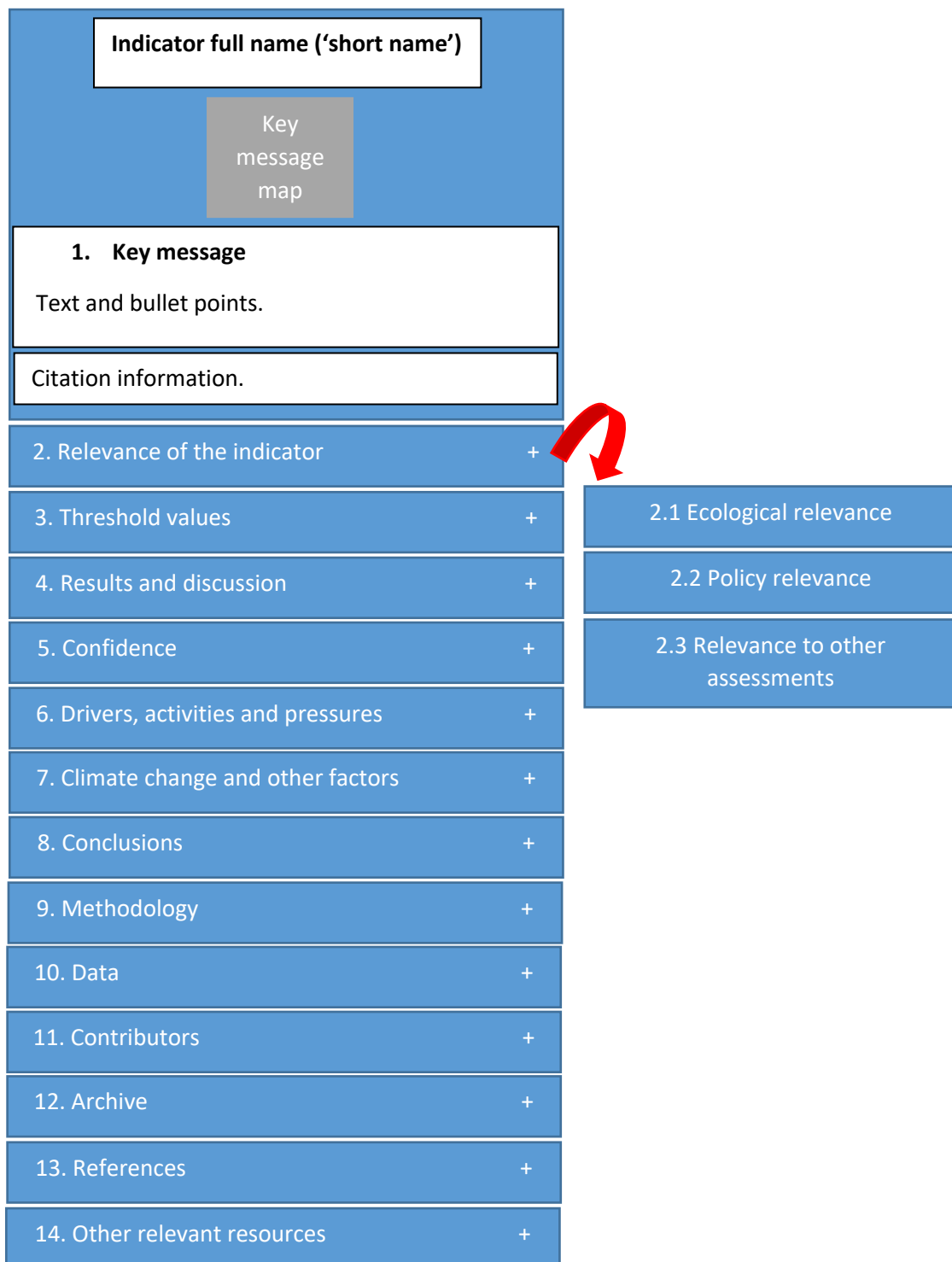
'First level'

Harbour Porpoise

'Second level'

Harbour Porpoise - distribution

Harbour Porpoise - abundance

Within indicator structure

The indicator structure online will follow the major sections of the indicator template (as described in Section 1 of this document). The title, key message, and citation section will be visible once a specific indicator has been opened. Beneath that the other major sections (i.e. the sections numbered in the indicator template with whole numbers) will be visible as a list to click on and gain more information. A simplified example is shown below.

Indicator full name ('short name')

Key message map

1. Key message

Text and bullet points.

Citation information.

2. Relevance of the indicator +

2.1 Ecological relevance

3. Threshold values +

2.2 Policy relevance

4. Results and discussion +

2.3 Relevance to other assessments

5. Confidence +

6. Drivers, activities and pressures +

7. Climate change and other factors +

8. Conclusions +

9. Methodology +

10. Data +

11. Contributors +

12. Archive +

13. References +

14. Other relevant resources +

Other factors or functionalities

The following issues or functionalities have already been identified as important to consider under the technical development/implementation phase. Guidance on further considerations would also be valuable at this stage.

- Maintain the ability to link to BSAP objectives/segments and MSFD Descriptors and Criteria to each indicator.
- Maintain the filter/search option related to these above items (BSAP/MSFD).
- Maintain option to download the entire document.
- Importance to facilitate easy template for experts and Secretariat to work with, bot as the document itself and the integration of that to the online format.
- The need for permanent reference point and archive (e.g. DOIs).
- Possible value in being able to reference to specific sections within a report (e.g. to the methods).
- The need for hyperlinks within the reports.
- The need for documents to be editable by leads and commented by HELCOM Groups, prior to final publication online.
- The possibility to derive versions where specific information is extracted directly.

The digital platform and online design aspects are not considered in this document but will be addressed once the general structure and format has been endorsed. This is to enablethe Secretariat to have an endorsed basic structure available when embarking on the development side and identifying the correct expertise needed to achieve the best solutions.