

Overview of INSPIRE and BASEMAPS compatibility

Baltic Marine Environment Protection Commission



Process – 3 steps

- Step 1. First assessment to link BASEMAPS categories to INSPIRE themes
 - Selection of data based on
 - INSPIRE theme's general definition on the guidelines
 - Layers related to marine/coastal data provided by the countries in the geoportal per INSPIRE Theme
 - Table sent to Data MSP ESG
- Step 2. One country used as an example for further selection
 - Check the services that could be accessed and each layer for every dataset with relevant MSP information
 - Link selected layers with BASEMAPS dataset
 - Where those datasets and layers could be added on the current BASEMAPS structure?

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Findings

• Step 1

- Many overlaps between INSPIRE Themes (AM)
- Land based data (INSPIRE is broader than MSP)
- Content or geographical extension is not always very clear from the INSPIRE description in the geoportal (e.g. fishing areas)

• Step 2

- Many WMF/WMS not accessible
- Some empty datasets Layers not included in the Geoportal
- Datasets with few/no marine information (e.g. mineral resources)
- Frequent update of datasets and metadata links, and new data how to address future updates on data? (geoportal)
- Repetition of layers in the dataset's services and downloadable data, and between different datasets on different Themes (geoportal)
- Few INSPIRE data could actually be added on BASEMAPS from this analysis (2 out of 56 datasets)

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Process – 3 steps

- Step 3. Provide guidance on MSP data in INSPIRE
 - Clearly define what MSP information should be included for each INSPIRE Theme
 - Further link BASEMAPS categories to INSPIRE themes based <u>exclusively</u> on the guidelines
 - Data that fall under those MSP definitions was flagged for some countries, used as examples

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| 30 | | E | nergy Resource | s Coverage | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | | | Geoth | erm Types of | potential geo | othermal e | energy | | | | | | | | | | | | | | | | | | | | | | |
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| | i Baudenkn LV Specially prote te Rejestr za PS Biotopskydd beslutade av Skogsstyrelsen | | | | | | | | | | | | | $\left \right $ |
| 10 DK INSPIRE PS Habita Pohjanm | | | | | | | | | | | | | | $\left \right $ |
| 11 DK INSPIRE Beskytte Åland - N | | - 1 | | | | | | | | | | | | $\left - \right $ |
| 12 DK INSPIRE PS Prote Nurmeks 13 DK INSPIRE PS Rams Lieksan r | | | nen inspike | | | | | | | | | | | $\left - \right $ |
| 14 Fredede og bevaring Åland - F | | | | | | | | | | | | | | \vdash |
| 15 INSPIRE - Fredede Fo Valtakun | | | (MPA) | | | | | | | | | | | |
| | ä INSPIRE A 100-gadigo jūras vi ju Światowe Skyddade områden, Fornlämningar INSPIRE | ingeneroom | | | | | | | | | | | | |
| | r Man-and- 200-gadigo jūras viji Pomniki H Sveriges zonindelning för luftkvalitet | | | | | | | | | | | | | |
| 18 | Vogelschu 200-gadigo pavasa a Pomniki H Sk vddade områden, interimistiska förbud | | | | | | | | | | | | | |
| 19 | Naturschu Aizsargājamās dabas Rejestr za Skyddade områden, Världsarv INSPIRE | | | | | | | | | | | | | |
| 20 | FFH-Gebie IADT dabas pieminekļi (data) Skirddade områden, kulturreservat | | | | | | | | | | | | | |
| 21 | Biosphäre Mikroliegumu robežas (data) Skyddade områden, nationalparker | | | | | | | | | | | | | |
| 22 | INSPIRE Schutzgebiete Land Bremen Skyddade områden, naturminnen | | | | | | | | | | | | | |
| 23 | Denkmalbereiche Stadt Münster Skyddade områden, naturreservat | | | | | | | | | | | | | \square |
| 24 | Vogelschutzgebiete Deutschland Skyddade områden, naturvårdsområden | | | | | | | | | | | | | \square |
| 25 | Naturparke Deutschland Skyddade områden, RAMSAR | | | | | | | | | | | | | 4 |
| 26 27 | FFH-Gebiete Deutschland Skyddade områden, vattenskyddsområden | | | | | | | | | | | | | $\left(- \right)$ |
| 28 | Ramsar-Gebiete Deutschland Iandschaftsschutzgebiete Deutschland | | | | | | | | | | | | | \leftarrow |
| 29 | Naturschutzgebiete Deutschland | | | | | | | | | | | | | $\left - \right $ |
| 30 | Nationalparke Deutschlands | | | | | | | | | | | | | \vdash |
| 31 | Schutzgebiete - IUCN - HabitatSpeciesManagementArea | | | | | | | | | | | | | \vdash |
| 32 | ATKIS - Basis-DLM | | | | | | | | | | | | | |
| 33 | INSPIRE Datensatz - Baudenkmale im Landkreis Vorpommern-Greifswald | | | | | | | | | | | | | |
| 34 | Bauliche Gesamtanlagen | | | | | | | | | | | | | |
| 35 | Landkreis Mainz-Bingen: Digitale Denkmalliste | | | | | | | | | | | | | |
| 36 | Biosphärenreservate nach nationalem Recht | | | | | | | | | | | | | |
| 37 | Naturschutzgebiete und Pflegezonen des BR Flusslandschaft Elbe M-V | | | | | | | | | | | | | ĿĿ |
| ▲ ▶ Overall Adm | inistrative Units Agricultural and aquaculture fa Restriction Regulation Zones Ene | rgy resources | Transport ne | etworks E | nvironmenta monito | ring facilit Prote | ted sites | Land use | Utility : 🕂 | - | | | | Þ |



Findings

• Step 3

- What should be included in each Theme is not always straight-forward (no check list, but a more specific guidance)
- Overlapping themes (AM) "fuzzy boundaries"
 - Repeated datasets in different themes for the countries (AM in PS,TG)



Final product of the process

INSPIRE: Agricultural and aquaculture facilities - DATA SETS

Technical guideline: https://inspire.ec.europa.eu/id/document/tg/af

Definition: The scope of —Agricultural and Aquaculture Facilities || thematic working group refers to all the physical instruments and constructions with permanent or semi-permanent emplacement (inland or outland) that are related to Agricultural and Aquaculture Activities (under the NACE Classification –level A -—Agriculture, forestry and fishing||).

Expected MSP information: physical instruments and constructions with permanent or semi-permanent emplacement that are related to Aquaculture Activities. Catching, hunting, fishing or collection of natural resources (vegetables or animal) on their natural environment could be included under this scope when supported by relevant physical instruments and constructions, but always constraining the information to them as required on Data Specifications. Entities referring extended areas should be considered under most appropriate themes as (AM, SU or CP). Notes: No fishing data on the countries data sets

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Trackability table for BASEMAPS subcategories 👻

D Search

Deborah Shinoda DS 🖻

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| | Scientific research | 111 | Environmental monitoring facilities | | | | |
| | Cables and pipelines | III | Utility and Government Services | | | | |
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| ritage | | III | Area management/restriction/regulation zones and reporting units | | | | |
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| | Underwater cultural heritage | 111 | Land use | | | | |
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