

Technical implementation – tagging of priority data sets for e-Reporting

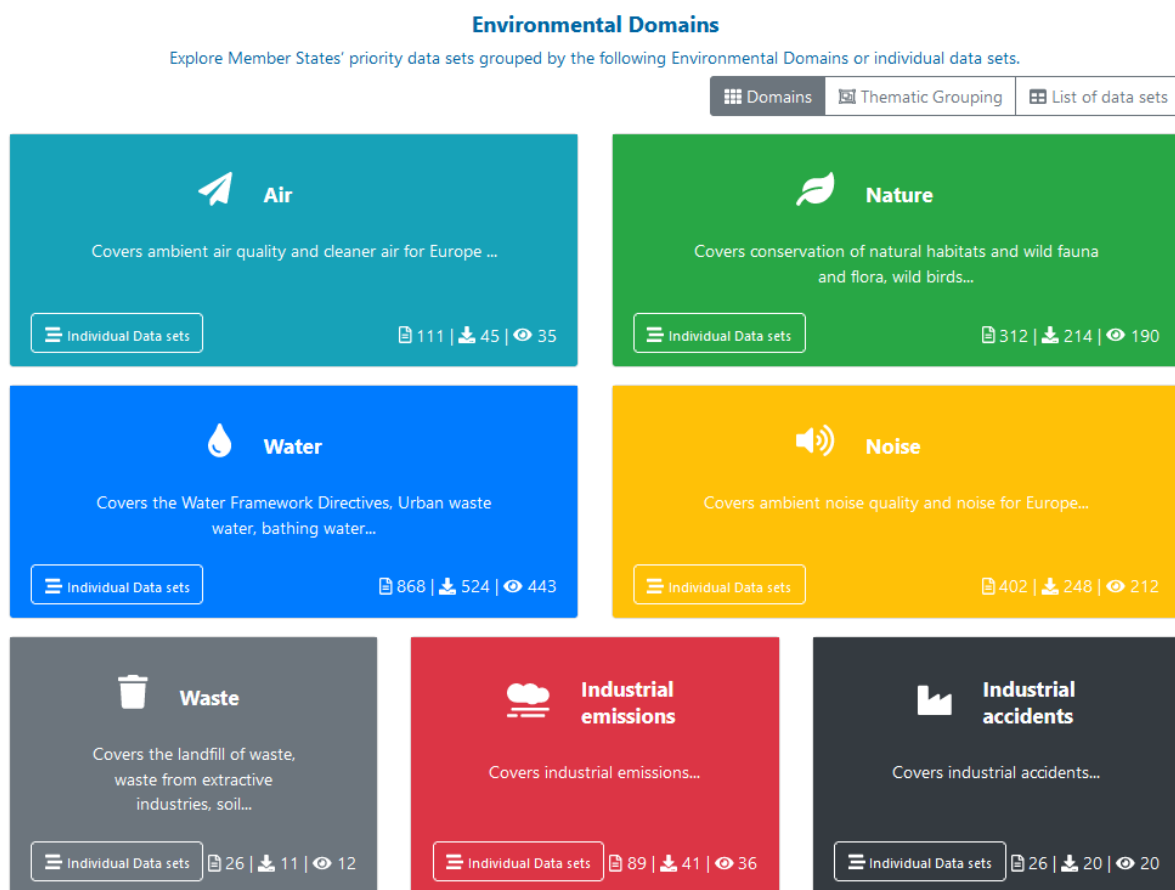
Context

The metadata keywords (tags) of priority data sets (e.g. for e-Reporting) are used in the INSPIRE Geoportal application. Priority data sets for e-Reporting are tagged with the keywords from the [INSPIRE Priority data sets](#) code list in the [INSPIRE Registry](#).

The application provides a tool to monitor the provision and use of priority data sets for e-Reporting through the following views:

- Country overview
- Environmental domains (Figure 1)
- Environmental legislation

Figure 1: Priority data sets for e-Reporting – Environmental domains



See more details about the list of [priority data sets](#) to support environmental reporting.

Source: INSPIRE Geoportal, 17.06.2021

Simplified workflow for “tagging” of priority data sets for e-Reporting

Using this list of controlled values as keywords ([INSPIRE Priority data sets](#)) inside the obligatory Keyword INSPIRE metadata element to identify the relevant data sets is the easiest way to make sure that the “tagged” data sets are:

1. the correct ones, i.e. those and only those identified by Member States (data providers) and
2. can easily be selected by the INSPIRE Geoportal thematic viewer applications (using standard INSPIRE metadata).

Workflow

1. **Identify** your priority dataset
2. Check if the INSPIRE **metadata** for the dataset is already available via the national metadata catalogue (INSPIRE Discovery service).
3. Add a **descriptive keyword** related to the Priority Dataset in the INSPIRE metadata:
 1. Select the relevant value from to the **Priority Dataset controlled vocabulary** in the **INSPIRE Registry** (<http://inspire.ec.europa.eu/metadata-codelist/PriorityDataset>)
 2. **Add the selected value** to the **keywords** section in the **metadata** of your priority dataset metadata using one of the two encoding options given below.
 3. **Add the citation information** for the used controlled vocabulary. For the citation, the following information shall be used:
 - URI of the Code list: <http://inspire.ec.europa.eu/metadata-codelist/PriorityDataset> (only for encoding 1)
 - Date type: **publication**
 - Date: **2018-04-04**
 - Title of the vocabulary: **INSPIRE priority data set**

Encoding

Implementation specification for defining metadata for INSPIRE data sets and services is ISO/TS 19139 based XML format ([guidelines](#)).

Here are the two supported options of encoding of selected keyword(s) and the used controlled vocabulary.

Option 1: Using the gmx:Anchor element

```
<gmd:descriptiveKeywords>
  <gmd:MD_Keywords>
    <gmd:keyword>
      <gmx:Anchor xlink:href="http://inspire.ec.europa.eu/metadata-codelist/PriorityDataset/Agglomerations-dir-2002-49" >Agglomerations (Noise Directive)</gmx:Anchor>
    </gmd:keyword>
    <gmd:thesaurusName>
      <gmd:CI_Citation>
        <gmd:title>
          <gmx:Anchor xlink:href="http://inspire.ec.europa.eu/metadata-codelist/PriorityDataset" >INSPIRE
            priority data set</gmx:Anchor>
        </gmd:title>
        <gmd:date>
          <gmd:CI_Date>
            <gmd:date>
              <gco:Date>2018-04-04</gco:Date>
            </gmd:date>
            <gmd:dateType>
              <gmd:CI_DateTypeCode
                codeList="http://standards.iso.org/iso/19139/resources/gmxCodelists.xml#CI\_DateTypeCode"
                codeListValue="publication">publication</gmd:CI_DateTypeCode>
              </gmd:dateType>
            </gmd:CI_Date>
          </gmd:date>
        </gmd:CI_Citation>
      </gmd:thesaurusName>
    </gmd:MD_Keywords>
  </gmd:descriptiveKeywords>
```

Option 2: Using the gco:CharacterString element

```
<gmd:descriptiveKeywords>
  <gmd:MD_Keywords>
    <gmd:keyword>
      <gco:CharacterString>Agglomerations (Noise Directive)</gco:CharacterString>
    </gmd:keyword>
    <gmd:thesaurusName>
      <gmd:CI_Citation>
        <gmd:title>
          <gco:CharacterString>INSPIRE priority data set</gco:CharacterString>
        </gmd:title>
        <gmd:date>
          <gmd:CI_Date>
            <gmd:date>
              <gco>Date>2018-04-04</gco>Date>
            </gmd:date>
            <gmd:dateType>
              <gmd:CI_DateTypeCode
                codeList="http://standards.iso.org/ittf/PubliclyAvailableStandards/ISO\_19139\_Schemas/resources/codelist/ML\_gmxCodelists.xml#CI\_DateTypeCode"
                codeListValue="publication">publication</gmd:CI_DateTypeCode>
              </gmd:dateType>
            </gmd:CI_Date>
          </gmd:date>
        </gmd:CI_Citation>
      </gmd:thesaurusName>
    </gmd:MD_Keywords>
  </gmd:descriptiveKeywords>
```