Metadata based monitoring in the Czech Republic

Jitka Faugnerová
CENIA, Czech Environmental Information Agency

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According to the Czech law, data providers provide lists with indicators of their data sets and services to the NCP every year by the end of February...

NCP compiles a list of national data sets and services and sends it every year before 15th May to the European Commission.
“Monitoring reporter” operates the National INSPIRE geoportal (metadata catalogue included)
Data providers make their metadata available at the geoportal
Most of information needed to compile the monitoring table is already in metadata or metadata catalogue, e.g.
- Name of dataset, service
- Existence of metadata
- Metadata compliance
- Existence of discovery service....

Make use of resources from geoportal
How to do monitoring at the geoportal?

Monitoring tool of the geoportal can be used by registered users only.
Monitoring at the geoportal

Is my metadata available at the geoportal? (harvested or imported)

No metadata, no monitoring list from previous years

List of indicators is made from:
- Metadata made at geoportal and saved to the catalogue of the geoportal
- Metadata harvested by a catalogue service

Do I have a monitoring list already done from the previous years?

List of indicators is made from:
- Lists of indicators from a previous years (any previous year can be selected)

List of indicators is made from:
- By entering all the needed details for every record of the list (e.g. annex III data providers)
Creating a new record for monitoring

For the users with metadata on geoportal

For the users having their monitoring lists from previous years

“Do not import” = default setting
Example of summary from imported metadata

Data provider – „Výzkumný ústav vodohospodářský T.G.Masaryka, v.v.i.“

Same list of services and data sets will be uploaded to the monitoring tool.
Example of summary from imported metadata

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Uploaded list of services

“Questionnaire” with short questions from the monitoring template „i“ for an extensive help

Uploaded list data sets
**Questionnaire in detail**

### Data sets

- **Name of data set**: Hydrogeologicke rajony
- **Key word**: Metadata compliance
- **Relevant and actual area**: View service
- **Download service**: Save

### Services

- **Name of service**: HEIS VÚV - OpenGIS WMS
- **Type of service**: Key word
- **URL**: HEIS VÚV
- **Access to service**: Service compliance

*...the rest has to be completed by the data provider*
For users without metadata
New record added
Management of monitoring records

My monitoring

<table>
<thead>
<tr>
<th>Report name</th>
<th>Year</th>
<th>Author</th>
<th>Status</th>
<th>Update</th>
<th>Actions</th>
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Open record - edit
Set sharing
Approval Request
Download CSV
Delete

Monitoring is an obligation under the Commission Decision 2009/442/ES. The content of this decision has been transposed into the Decree 103/2010 Coll. In essence it is an inventory of spatial data and services provided within INSPIRE in the Czech Republic. Required providers must submit the required indicators defined in Annex 2 of the Decree:

- the existence of metadata (MD1),
- compliance with the implementing rules for metadata (MD2),
- range of spatial data (DS1),
- consistency of spatial data with the Implementing Rules (DS2),
- availability of metadata (the existence of search engines NS1),
- the existence of services and their compliance with the Implementing Rules (NS2),
- performance of services under the implementation rules (NS3),
- use of services (NSH).

Create new record (statement) for monitoring by clicking on the link "New Entry" in the header of the table with statements. In case that you have already registered your metadata to the Geoportal, the system will automatically add to the statement current information according to metadata records of data sets and services.
Summary for all data providers

### Data sets

<table>
<thead>
<tr>
<th>Dataset</th>
<th>Theme</th>
<th>Spatial Data Set</th>
<th>Existence</th>
<th>Compliant</th>
<th>Relevant</th>
<th>Actual</th>
<th>Extend</th>
<th>Compliant</th>
<th>MD access</th>
<th>View Serv</th>
<th>Download View &amp; Download services</th>
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### Services

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<th>Spatial Data Network Service?</th>
<th>Existence</th>
<th>Compliance</th>
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4 years of collection of monitoring indicators

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2010
XLS template
Questionnaire

List of (mostly) annex I data sets and services

2011
XLS template
Geoportal

List of data sets and services of all 3 annexes

2012
XLS template
Geoportal

List of data sets and services of all 3 annexes

2013
Collection of indicators only at Geoportal

Reduced list of data sets and services

Monitoring Working group
Conclusions

- User friendly tool saves time to users in trying to understand meaning of all the MDi, NSi, DSi ...indicators
- Using metadat import or import from previous years also saves time
- Collections and putting the indicators together for the national reported is easier

- Manual processing - bad inputs from the users, „cleaning“ the monitoring list of all the inputs that „are not relevant“ (based on agreement of national working group for monitoring and reporting)
Thank you for your attention

Lenka Jirásková
lenka.jiraskova@cenia.cz

Jitka Faugnerová
jitka.faugnerova@cenia.cz