

Review of existing tools for metadata management

SEMIDE – Expert workshop on metadata management & referential datasets

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Table of content

- **Methodology**
- **Results**
- **Analysis**

Methodology – Requirements on Metadata

▫ Requirements identification

- ◆ EMWIS,
- ◆ INSPIRE, WISE & Eurostat.

▫ EMWIS requirements

- ◆ Method : interviews with EMWIS technical unit,
- ◆ Result : 14 mandatory and 6 optional requirements.

Methodology – Requirements on Metadata

INSPIRE, WISE & Eurostat requirements

- ◆ Document consulted
 - ◆ The INSPIRE Directive,
 - ◆ INSPIRE Implementing Rules (IRs) for Metadata and their various technical implementations,
 - ◆ INSPIRE Network Services, INSPIRE architecture,
 - ◆ WISE Updated GIS Guidances version 1.2.
 - ◆ Eurostat / sdiinspire call for tender on the “*Development of the technical components of a European Commission Spatial Data Infrastructure compliant with the provisions of INSPIRE*”
- ◆ Result : 13 other requirements.

Requirements on Metadata to be considered

- ◆ 27 mandatory and 6 optional elements in the analysis matrix

Methodology – Existing tools identification

Method

- ◆ Already existing water metadata catalogue tools inventory:
 - ◆ Theme: Main metadata catalogues directly or indirectly linked with water resource management,
 - ◆ Scope: International, European, Country, Euro-Mediterranean.
- ◆ Already known/tested metadata catalog tools
 - ◆ Source: IOW expertise

Result

- ◆ 8 tools to be confronted to the analysis matrix.

Results

▫ First level removal

- ◆ 3 proprietary software : ESRI ArcCatalog v9.2, MetadataEditor, Conterra sdi.suite (EMWIS mandatory requirement n°4)
- ◆ 1 not mature enough OpenSource software (e.g partial implementation of ISO 19115): gvSIG metadata prototype

▫ Second level analysis

- ◆ Contacts with developing teams when possible,
- ◆ Tests.

▫ Conclusion

- ◆ Advice to use Geonetwork for the next parts of the project.

Analysis

- **Analysis matrix result**
 - ◆ Analysis matrix presentation.