

SEMIDE
EMWIS

SEMIDE

<http://www.semide.net>

**Système Euro-
Méditerranéen
d'information sur les
savoir-faire dans le
domaine de l'Eau**



EMWIS

<http://www.emwis.net>

**Euro-Mediterranean
Information System on
know how in the water
sector**

**النظام الأورو- متوسطي للإعلام
حول المعرفة في ميدان المياه**

Reminder on EMWIS common metadata
Jauad El Kharraz, EMWIS Technical Unit

MEDA Water



Information and training seminar for EMWIS data managers, Madrid 2006-11-13/15





Reminder

- Sharing water information requires:
 - Reperesenting/describing the information (metadata)
 - Defining a common language (values of the metadata)
 - Accessing/Retrieving the information

- **Metadata definition:** A standard & structured set of information describing a resource or an object: structured data about data

Descriptive information : title, author, publication date, editor, etc.

Information on the contents : keywords (resulting from a thesaurus or a glossary), summary

Info. on how to access: Localization, access protocol, structuring of the data ,

Administrative information : Rights, etc.



Why using Metadata?

- **For information resources, metadata are used for:**
 - Describing the resource
 - Facilitating search
 - Location
 - Management
- **Without metadata it would be difficult to manage or search for some resources (e.g. images, video)**
- **Necessary for Content Management Systems:**
 - classification, archiving ...
- **Allowing customisation of user interfaces:**
 - Linked to user profiles
- **Extending search criteria beyond the classical keywords.**
- **Providing information necessary for the administrative and technical management of the resources: date, rights.**
- **Facilitating exchanges and integration of data**



Using Metadata for EMWIS

We need to access information available on water that is coming from different remote and heterogeneous sources:

- **Identification of the information available in the Euro-Med domain**
- **Accessing this information**
- **Allow the international community to access the services developed by EMWIS**

For TU, this information is provided by:

- **NFP**
- **International partners (Projects, INBO, MED-EUWI, SMAP-RMSU...)**

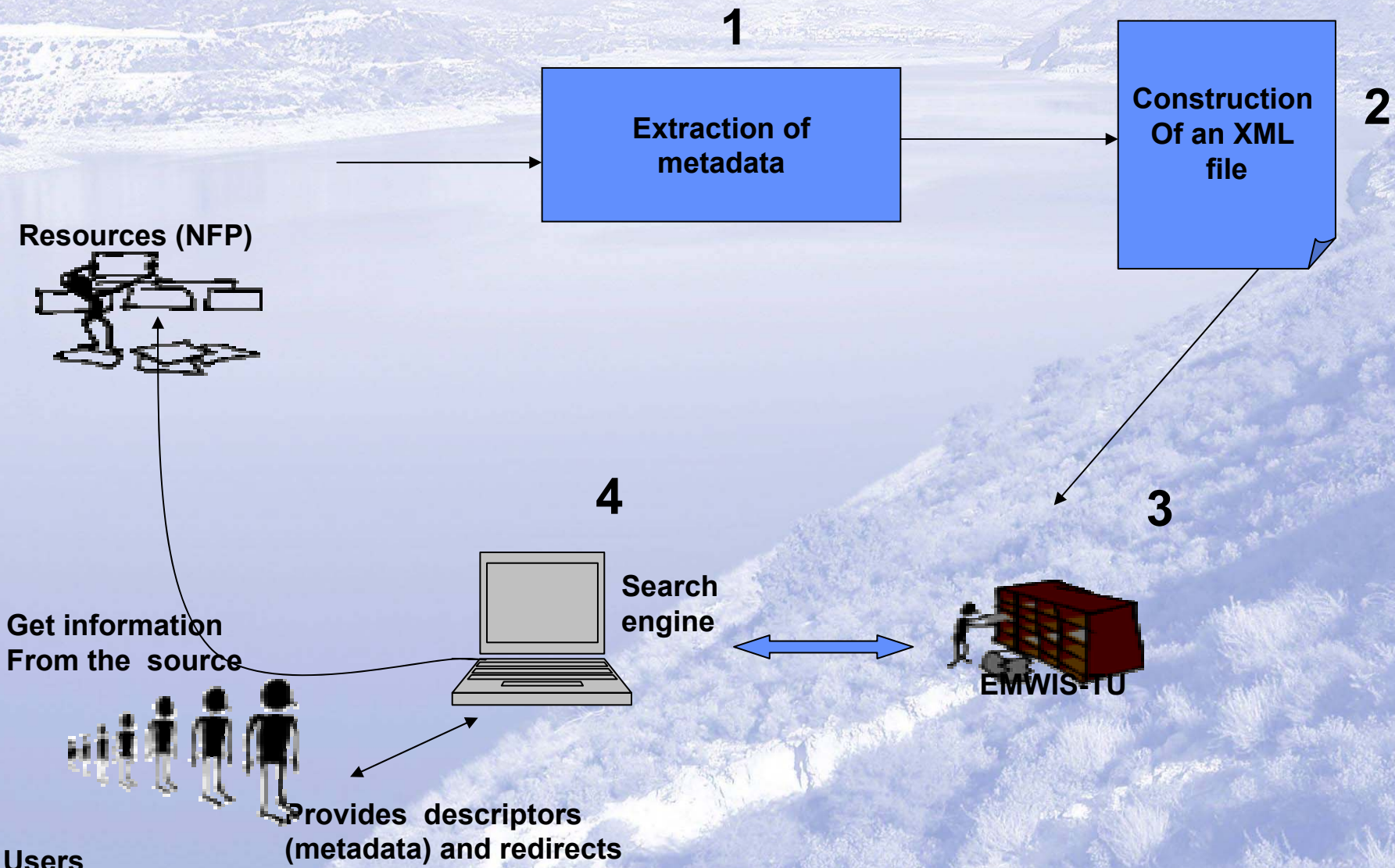
For NFP, this information is provided by:

- **National partners**
- **TU**

In this case, Common metadata are needed to exchange and integrate content.



Different steps





Types of resources

- **News**
- **Events**
- **Texts of law**
- **Multimedia**
- **Documents**
- **Projects**



EMWIS common metadata

1. News

- creator
- creator_mail
- contact_name
- contact_mail
- contact_phone
- rights
- **title**
- type_new
- format
- identifier
- file_link
- file_link_local
- source
- source_link
- language
- keywords
- description
- subject
- relation
- **coverage**
- **news_date**
- save_date



EMWIS common metadata

2. Events

- creator
- creator_mail
- contact_name
- contact_mail
- contact_phone
- rights
- **title**
- type_event
- Format
- Keywords
- description
- identifier
- file_link
- File_link_copy
- source
- source_link
- language
- subject
- relation
- **coverage**
- organizer
- geozone
- address
- duration
- **start_date**
- end_date
- date
- status_event



EMWIS common metadata

3. Texts of law

- **title**
- type_law
- identifier
- file_link
- file_link_local
- official_journal_ref
- source
- source_link
- language
- format
- keywords
- description
- subject
- relation
- **coverage**
- date
- geozone
- original language
- status



EMWIS common metadata

4. Multimedia

- creator
- creator_mail
- rights
- **title**
- type_multimedia
- format
- identifier
- file_link
- file_link_local

- **source**
- source_link
- language
- keywords
- description
- subject
- relation
- coverage
- date



EMWIS common metadata

5. Documents

- creator
- creator_mail
- publisher
- rights
- **title**
- Type_document
- format
- identifier
- file_link
- file_link_local

- **source**
- source_link
- language
- keywords
- description
- subject
- relation
- coverage
- date



EMWIS common metadata

6. Projects

- **title**
- Language
- description
- coverage
- keywords
- date
- Project_number
- subject
- acronym
- budget
- programme

- URL
- objectives
- results
- **start_date**
- **end_date**

+ metadata for partners, funding sources and field sites



News- Example

you are logged in as **jauad** [logout](#) | [Home](#) | [e-Flash](#) | [My portal](#) | [Contact](#) | [Forum](#) | [Crawler](#) | [FAQ](#) | [Thesaurus](#) | [Agenda](#) | [Sitemap](#) | [Administration](#)

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International portal

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EMWIS meetings ▼ [Home](#) » [Resources](#) » [News](#) » [Morocco: New Water director and new director of Oum Er Bia Bassin Agency](#)

Resources

- [News](#)
- [Newsletter](#)
- [Agenda](#)
- [e-Flash](#)
- [Brochure](#)
- [Communication plan](#)
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MEDA Water

Morocco: New Water director and new director of Oum Er Bia Bassin Agency

[Checkout](#) [Edit](#)

Former water director Mr. Abdelaziz ZEROUALI has been nominated director of Oum Er Bia Bassin Agency in Beni Mellal. On the other hand, Mr. Majid BEN BIBA has been nominated director of Water Research & Planning in the "Secretary of State to the Ministry of Territorial Development, Water, & Environment in Charge of Water".

Contact information	Ahmed SKIM, Coordinateur du PFN Marocain du SEMIDE (email: skim@water.gov.ma)
News type	Nomination
File link	http://www.water.gov.ma/
Source of information	SEE-MAEE
Keyword(s)	water director, bassin agency director
Subject(s)	POLICY-WATER POLICY AND WATER MANAGEMENT
Relation	http://www.emwis.net/countries/fol749974/country154256
Geographical coverage	Morocco
News date	03/10/2006
Working language(s)	FRENCH



[Add comment](#)

News metadata- Example



```
- <item rdf:about="http://www.emwis.net/thematicdirs/news/snews799235">
  <link>http://www.emwis.net/thematicdirs/news/snews799235</link>
  - <dc:title>
    Morocco: New Water director and new director of Oum Er Bia Bassin Agency
  </dc:title>
  <dc:identifier>http://www.emwis.net/thematicdirs/news/snews799235</dc:identifier>
  <dc:date>2006-10-06T00:00:00Z</dc:date>
  - <dc:description>
    Former water director Mr. Abdelaziz ZEROUALI has been nominated director of Oum Er Bia Bassin Agency in Beni Mellal. On the other hand, Mr. Majid BEN BIBA has been
    Territorial Development, Water, &amp;amp; Environment in Charge of Water&quot;.
  </dc:description>
  <dc:contributor>jauad</dc:contributor>
  <dc:language>en</dc:language>
  <dc:coverage>Morocco</dc:coverage>
  <dc:subject>water director</dc:subject>
  <dc:subject>bassin agency director</dc:subject>
  <dc:rights/>
  <dc:type>Text</dc:type>
  <dc:format>text/html</dc:format>
  <dc:source>SEE-MAEE</dc:source>
  <dc:creator>Jauad El Kharraz</dc:creator>
  <dc:publisher>EMWIS Technical Unit</dc:publisher>
  <dc:relation>countries/fo1749974/country154256</dc:relation>
  <dc:subject>POLICY-WATER POLICY AND WATER MANAGEMENT</dc:subject>
  <ut:keywords>water director</ut:keywords>
  <ut:keywords> bassin agency director</ut:keywords>
  <ut:creator_mail>jauad.el-kharraz@semide.org</ut:creator_mail>
  <ut:contact_name>Ahmed SKIM, Coordinateur du PFN Marocain du SEMIDE</ut:contact_name>
  <ut:contact_mail>skim@water.gov.ma</ut:contact_mail>
  <ut:contact_phone/>
  <ut:news_type>Nomination</ut:news_type>
  <ut:file_link>http://www.water.gov.ma/</ut:file_link>
  <ut:file_link_local/>
  <ut:source_link>http://www.water.gov.ma/</ut:source_link>
  <ut:start_date>2006-10-03T00:00:00Z</ut:start_date>
  <ut:save_date>2006-10-18T16:01:49Z</ut:save_date>
</item>
```



Proposed rules for quality control

Metadata	Checking format	List control
<i>Author name</i>		
Author mail	X	
<i>Rights</i>		
<i>Title</i>		
<i>keywords</i>		X (thesaurus (themes))
<i>Description</i>		
<i>Type</i>		X
<i>Format</i>		X
<i>Identifier</i>	X	
File link	X	
<i>Source name</i>		
Source link	X	
<i>Language</i>		X (list of languages)
Topic		X
<i>References</i>		
<i>Coverage</i>		X (glossary of countries)
date	X	

Metadata	Checking format	List control
<i>Save date</i>	X	
Country		X
Start date	X	
End date	X	
Official journal		
Jounal number		
Original language		X (list of languages)
<i>Editor</i>		

http://www.emwis.net/documents/meetings/NFP/fol385036/fol669231/metadata_V6.pdf