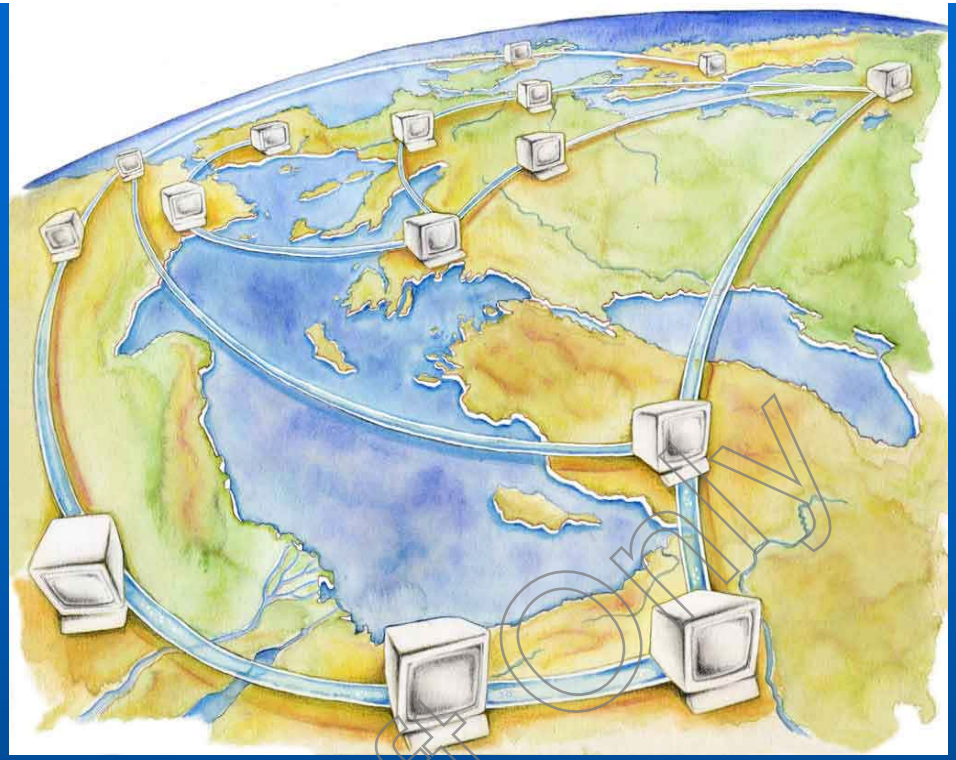
SEMIDE
EMWIS



# SEMIDE

www.semide.net

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

# EMWIS

www.emwis.net

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

النظام المعلوماتي الأورومتوسطي للمعرفة في مجال المياه

## Towards a mediterranean water data portal and related tools

Eric MINO

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DG ENV

EURO-MEDITERRANEAN PARTNERSHIP

# MedWis homepage

under construction

home | logout | admin

WISE | EMWIS portal | Sitemap | Search

## Mediterranean Water Data

– or more commonly known as Med-WIS - is your gateway to existing information on inland water issues in the Mediterranean area. It also provides guidance and tools on data management for non EU countries. For European countries, data is provided by WISE.

about Med-WIS

National level | Regional level | Tools and guidance | Themes

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## Welcome to the Mediterranean Water Data portal

This portal is provides useful hints to help Mediterranean countries in setting up Shared National Water Information Systems compatible with European standards namely the INSPIRE implementation rules on spatial information, technical guidelines from the Water Information System for Europe -WISE-In ensuring these compatibility recommendations, systems will also be inline with the latest International standards.

It also provides a discovery service to search for existing datasets, sources of data and geographical layers. Visualisation services are also provided according to access rights.

## Latest news from EMWIS

- The European Environmental Bureau (EEB) is looking for a Secretary General
- Water shortage forces Syria villagers into cities
- IDE desalination seminar trains Jordanians and Palestinians

SEMIDE EMWIS
Euro-Mediterranean Information System on know-how in the Water sector

WISE
Water Information System for Europe

European Commission

# Portal Content

- **Themes**
  - Maps, datasets, reports
  - Water scarcity and drought
  - Water quality monitoring
- **Tools and guidance**
  - Generic conceptual data model
  - Interoperability technical guidelines
  - Case studies
  - Geo-catalogue and web map viewer installation pack
- **Regional level**
  - Actors involved in data management at Med level
  - Metadata catalogue
  - Access to Mediterranean level external indicators

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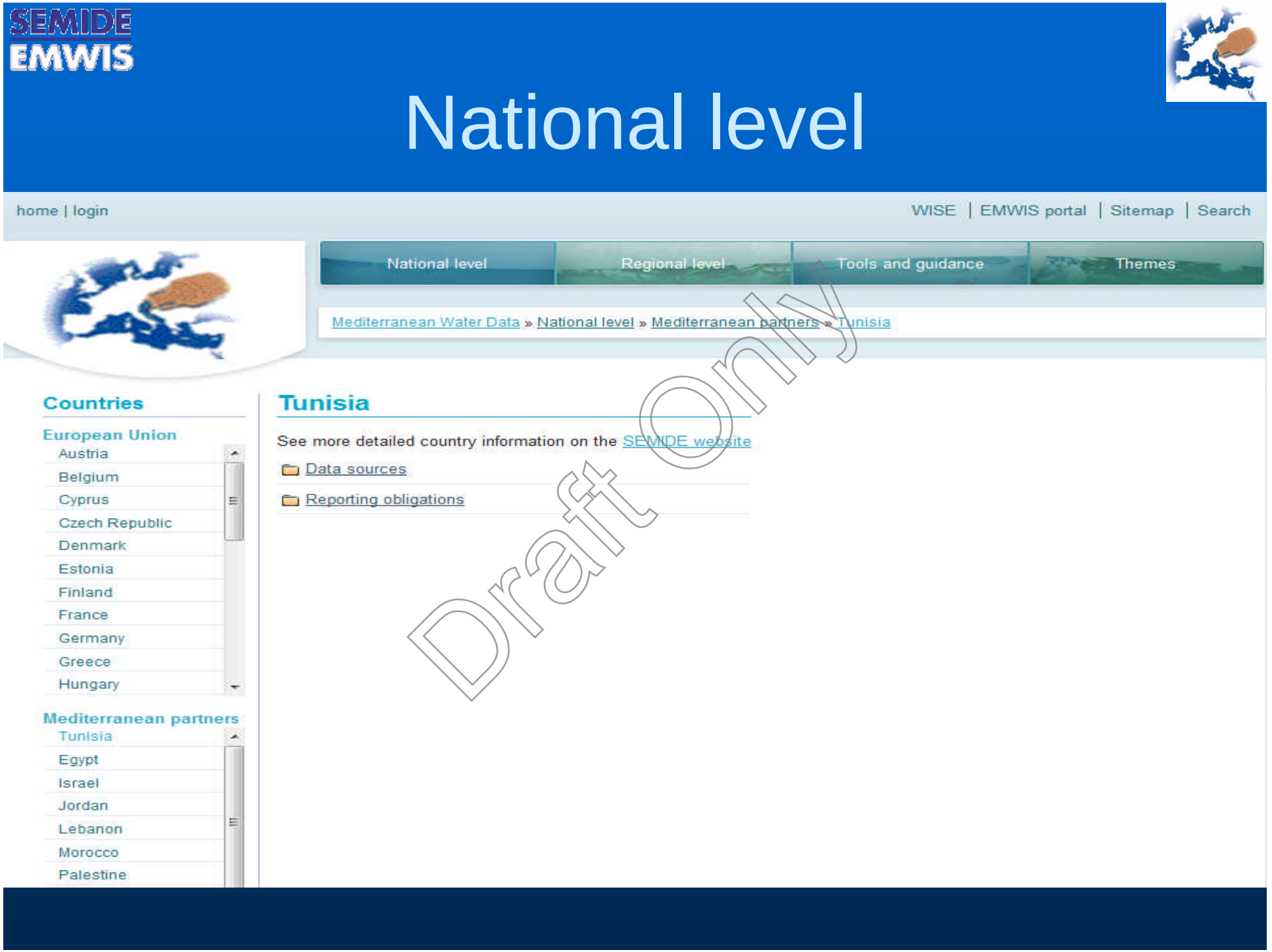
# National level

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# Reporting obligations

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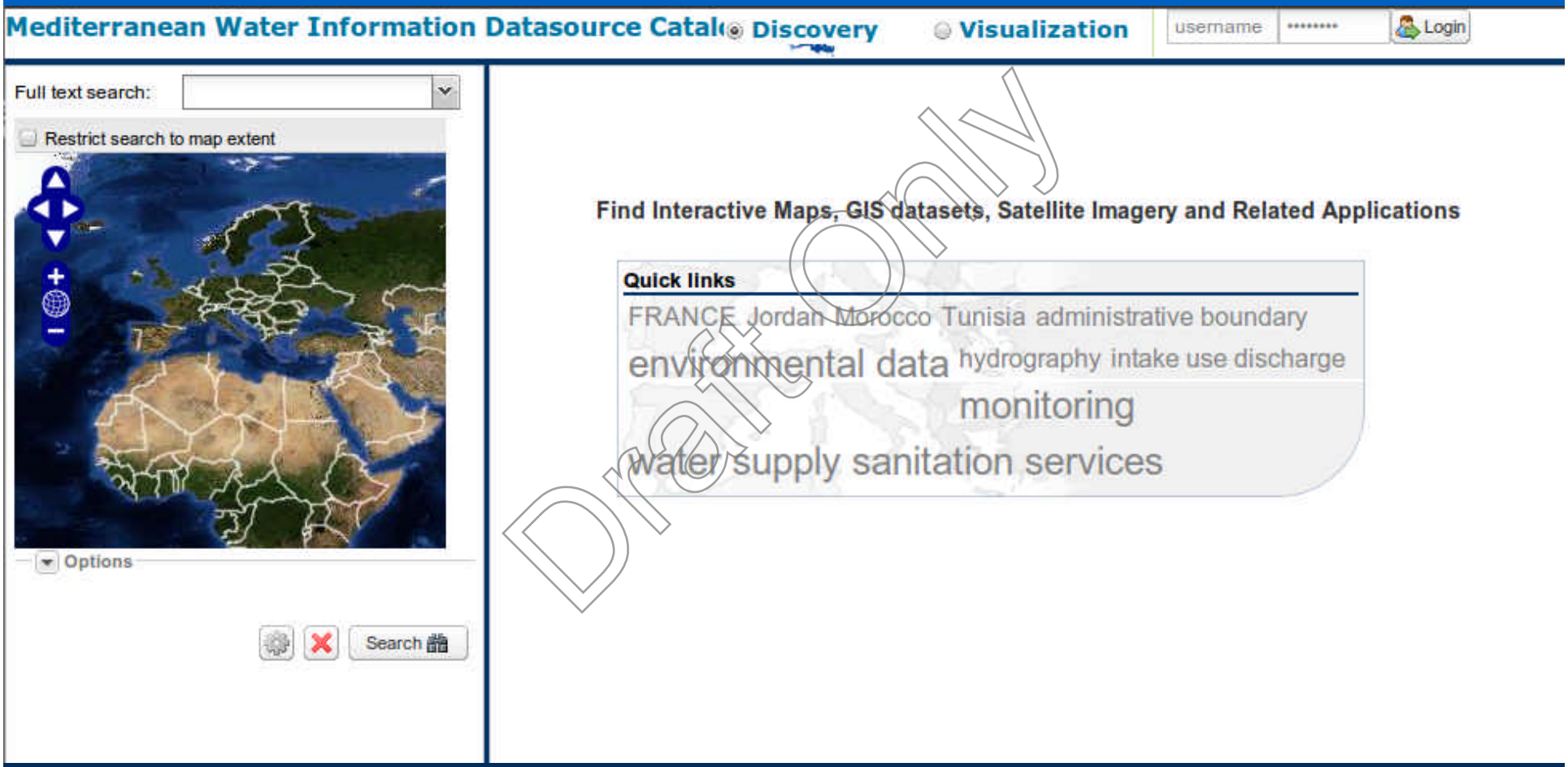
# Discovery and view

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# Objective

- **Declare and search for sources of data on the Mediterranean water sector.**
- **View, download data and access to data services are subject to the level of access defined by the data providers.**

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# Purpose

- **Use standards metadata for:**
  - Register of dataset or services
  - Discovery services i.e. search for data/services
  - View, download services
- **Focus on:**
  - supporting water management (data and services sharing): use of standards categories
  - being compatible with EU technical recommendations: WISE & INSPIRE
  - interoperability (OGC and ISO standards) with spatial web services

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# Software package set-up

- **all-in-one solutions for Spatial Data Infrastructure (catalogue, map server & map viewer, Transformation)**
- **easy to use with simple installation process**
- **multi-platforms support**
- **wide and free access (using Free & Open Source Software projects, documentation and guidelines)**

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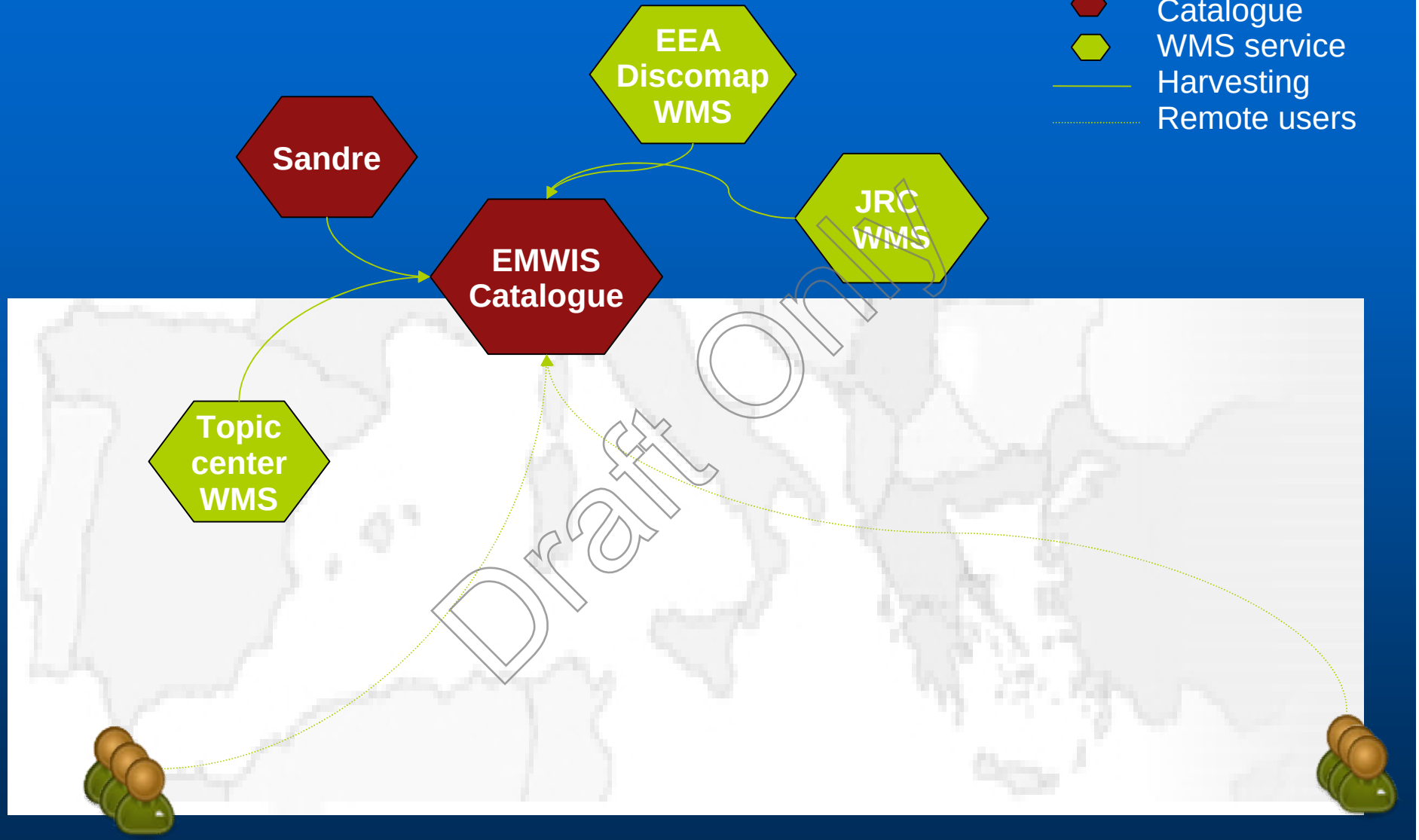
# Architecture



# Discovery & visualization interface

- **Discovery perspective**
  - Search form
  - Search results
  - Metadata visualization
  - Tag clouds
- **Visualization perspective**
  - Map navigation
  - Layer management
  - Legend
  - Add layer from registered WMS in the catalogue

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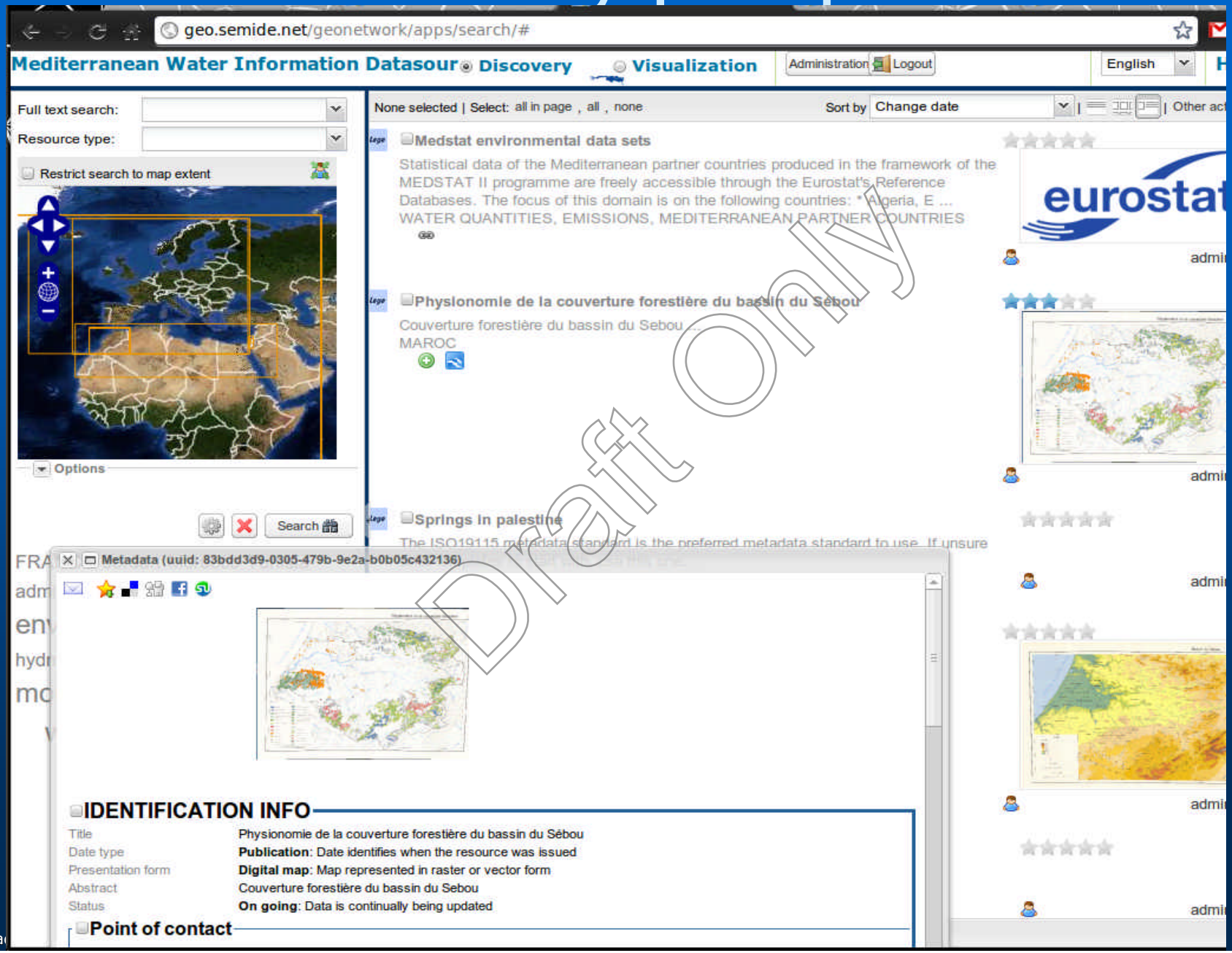
# Discovery perspective

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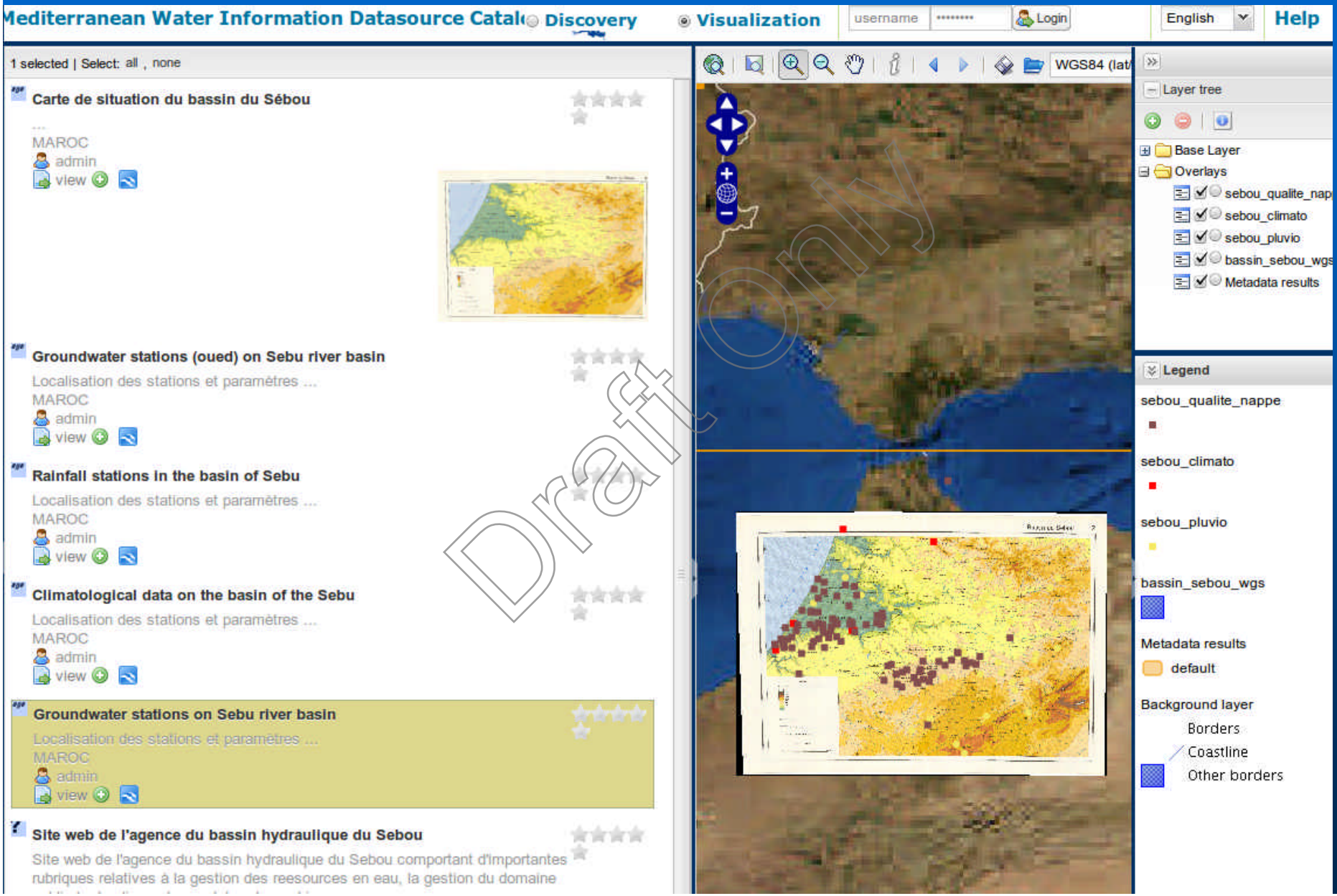
# View perspective

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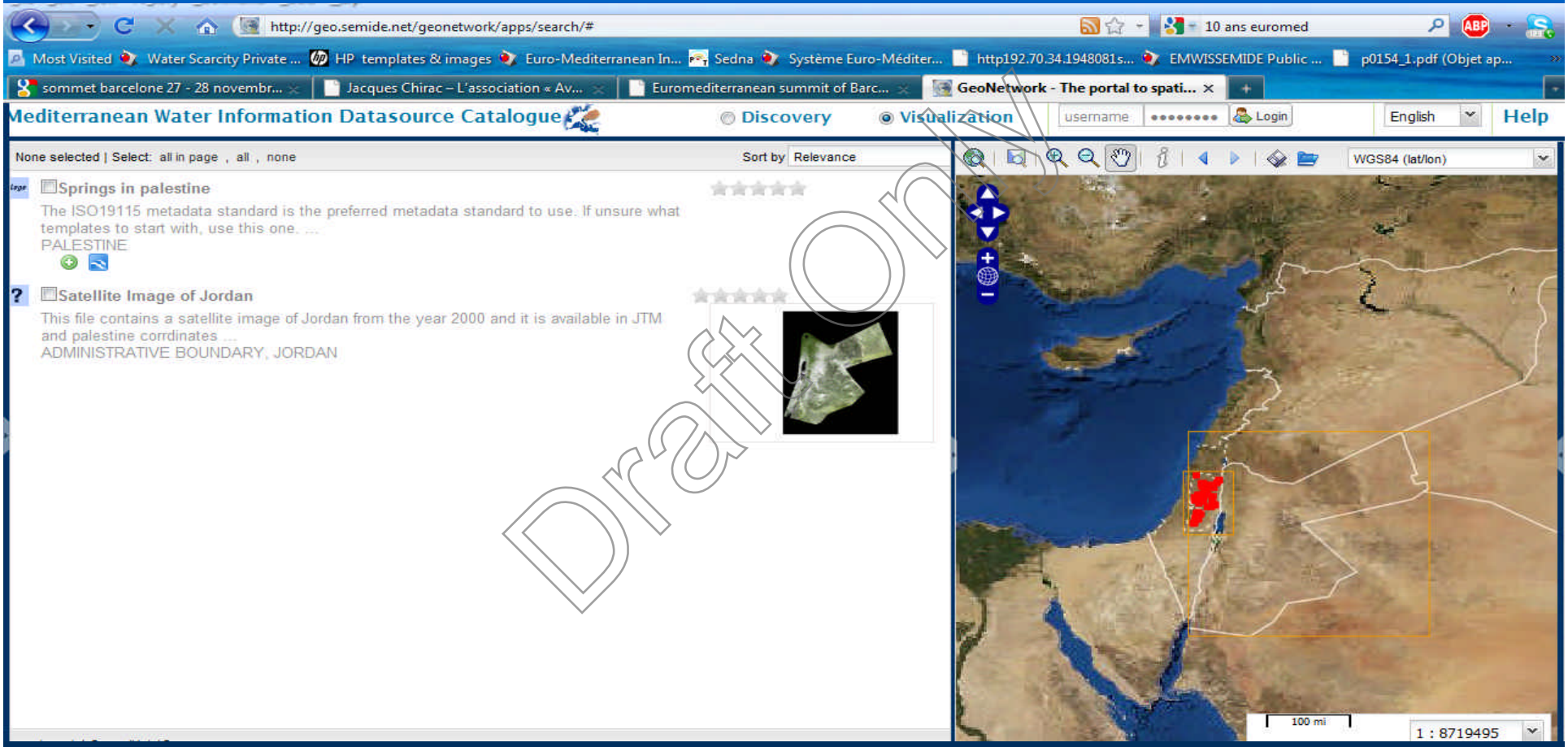
# View perspective

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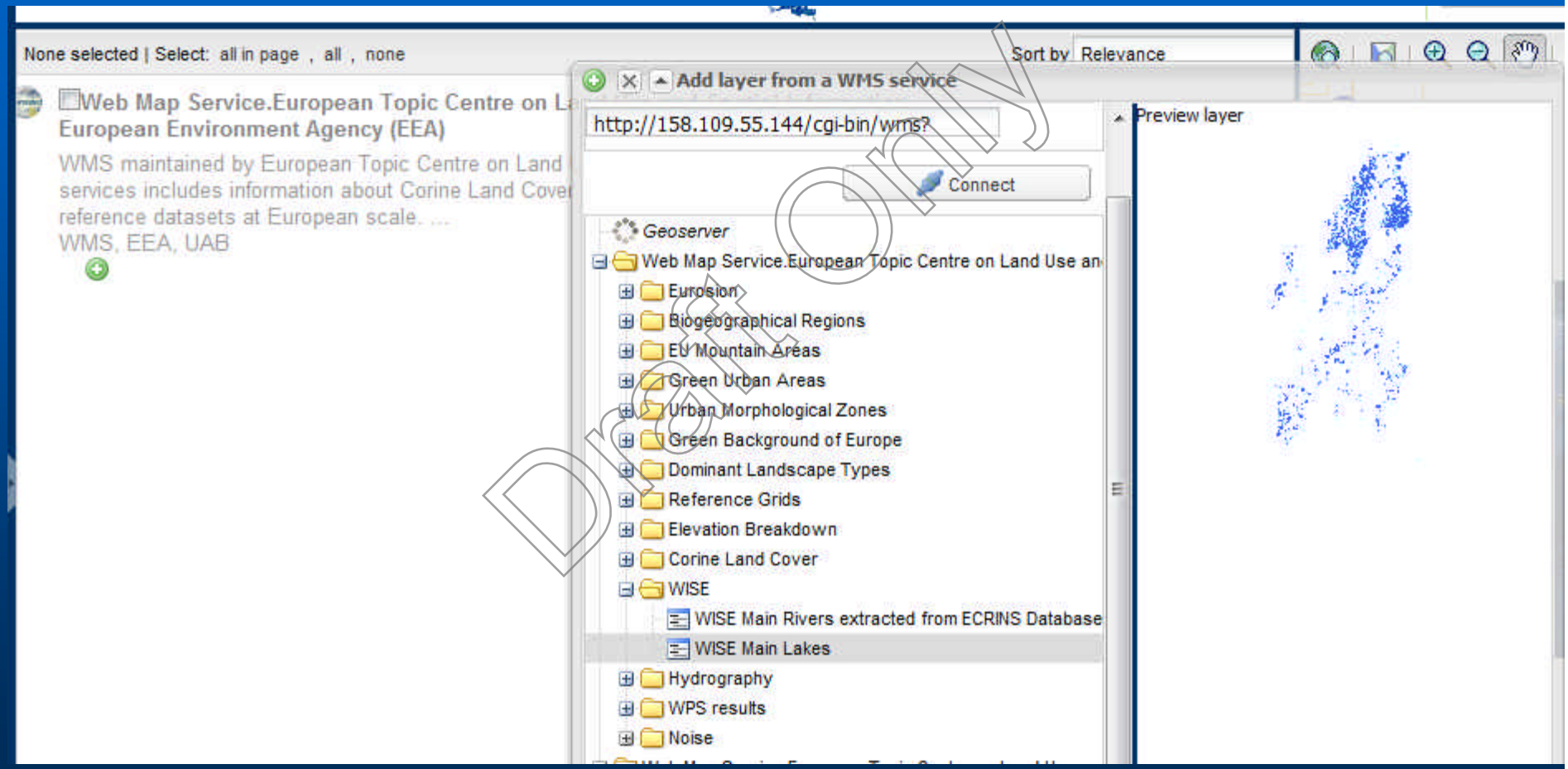
# Access remote services

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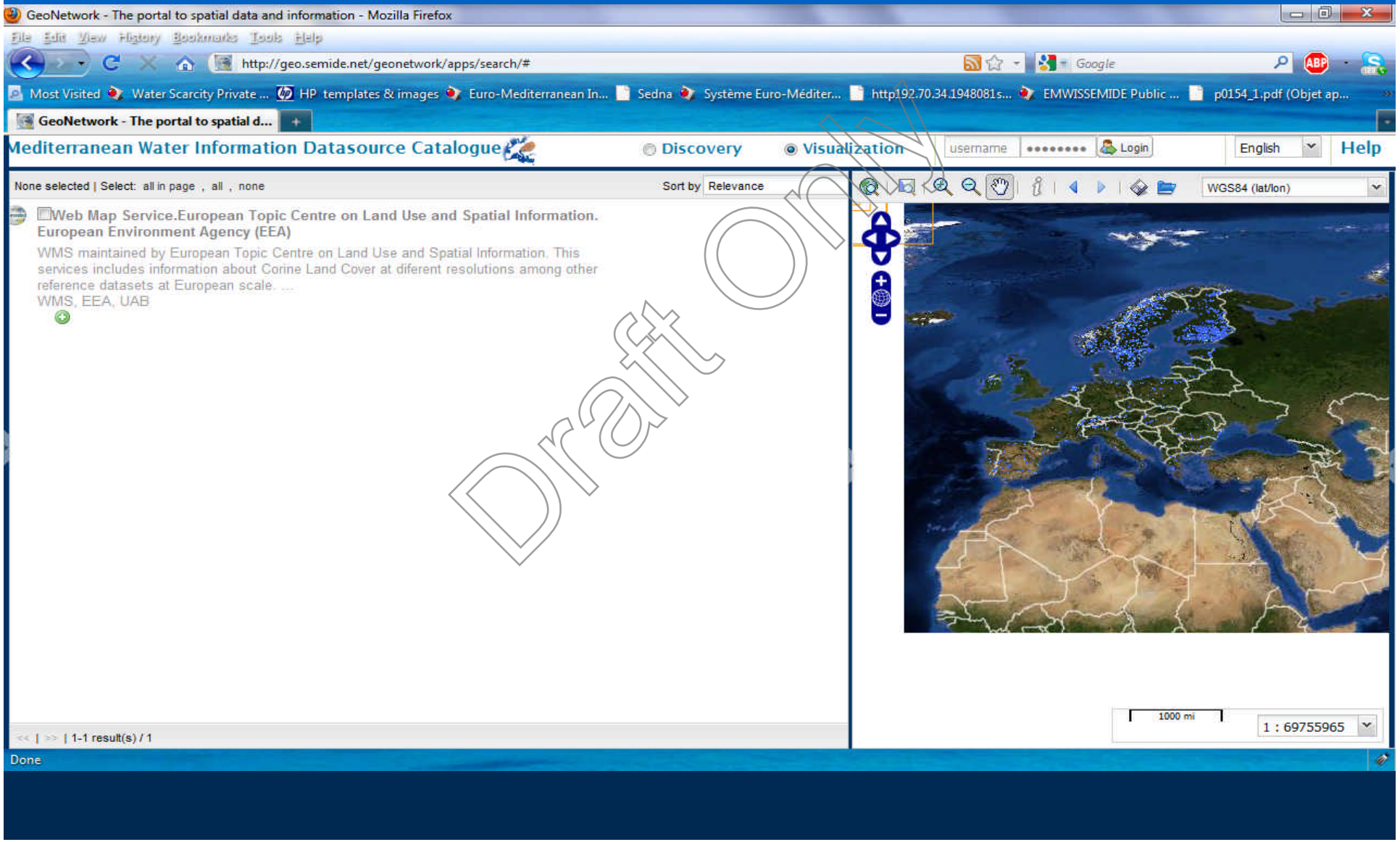
# View remote services

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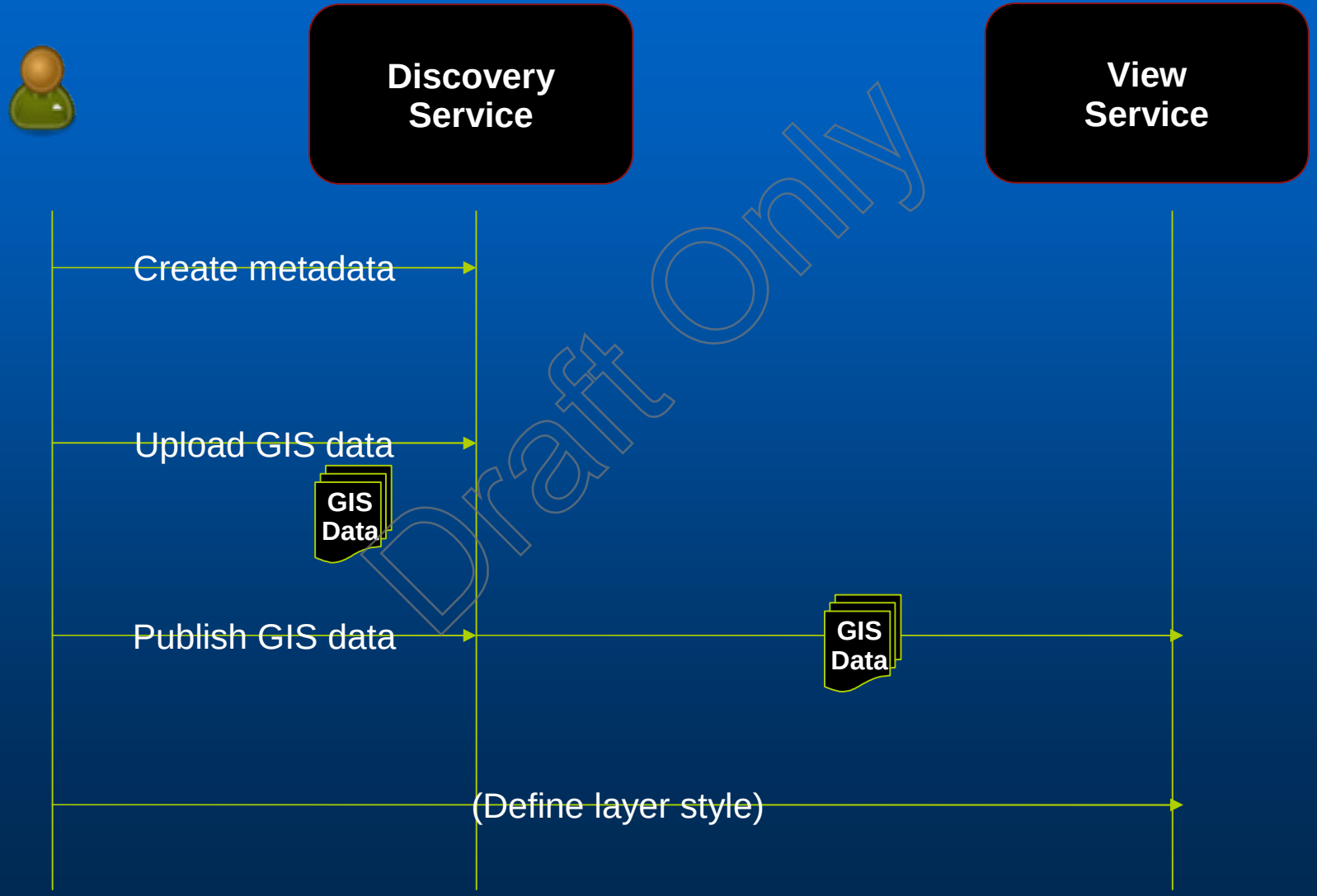
# Publish metadata and data

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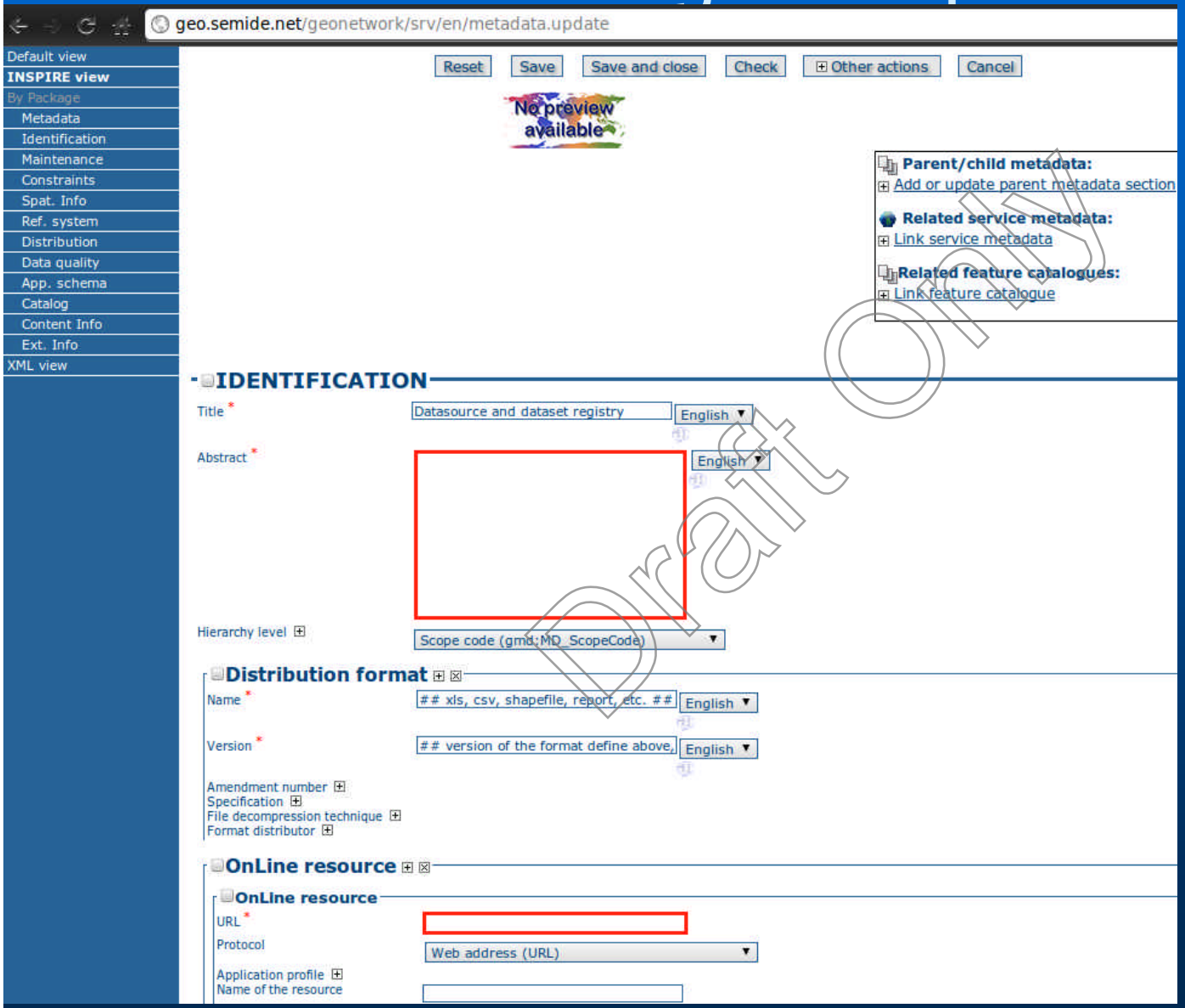
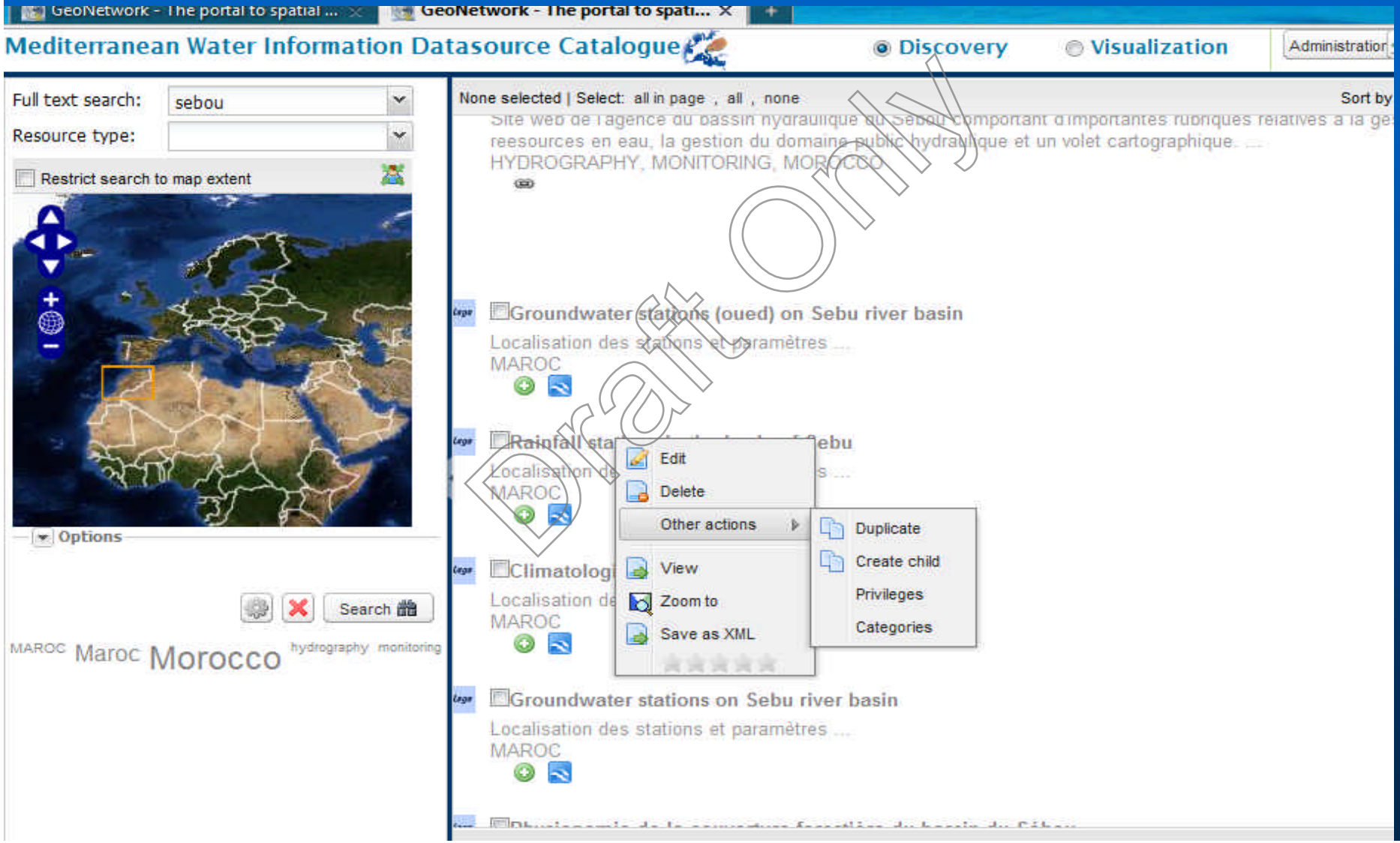
# Create metadata … using a template




- **Error validation report (including INSPIRE rules) and highlighter**
- **Compute extent from keyword analysis**
- **Suggestion list and thesaurus (eg. GEMET)**
- **Parent/child relationship link**
- **…**

# Restricting access

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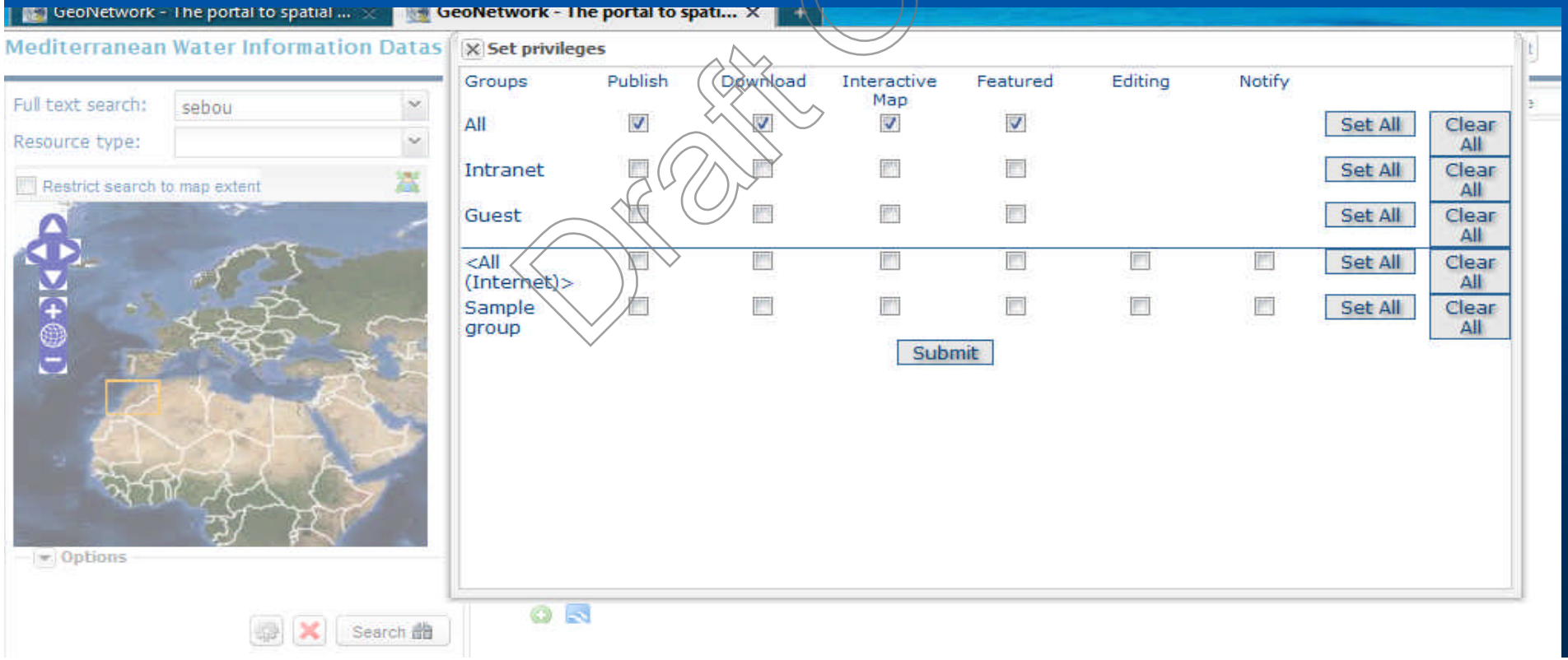
# Priviledges setting

- **Limiting metadata access**
- **Restricting data access**

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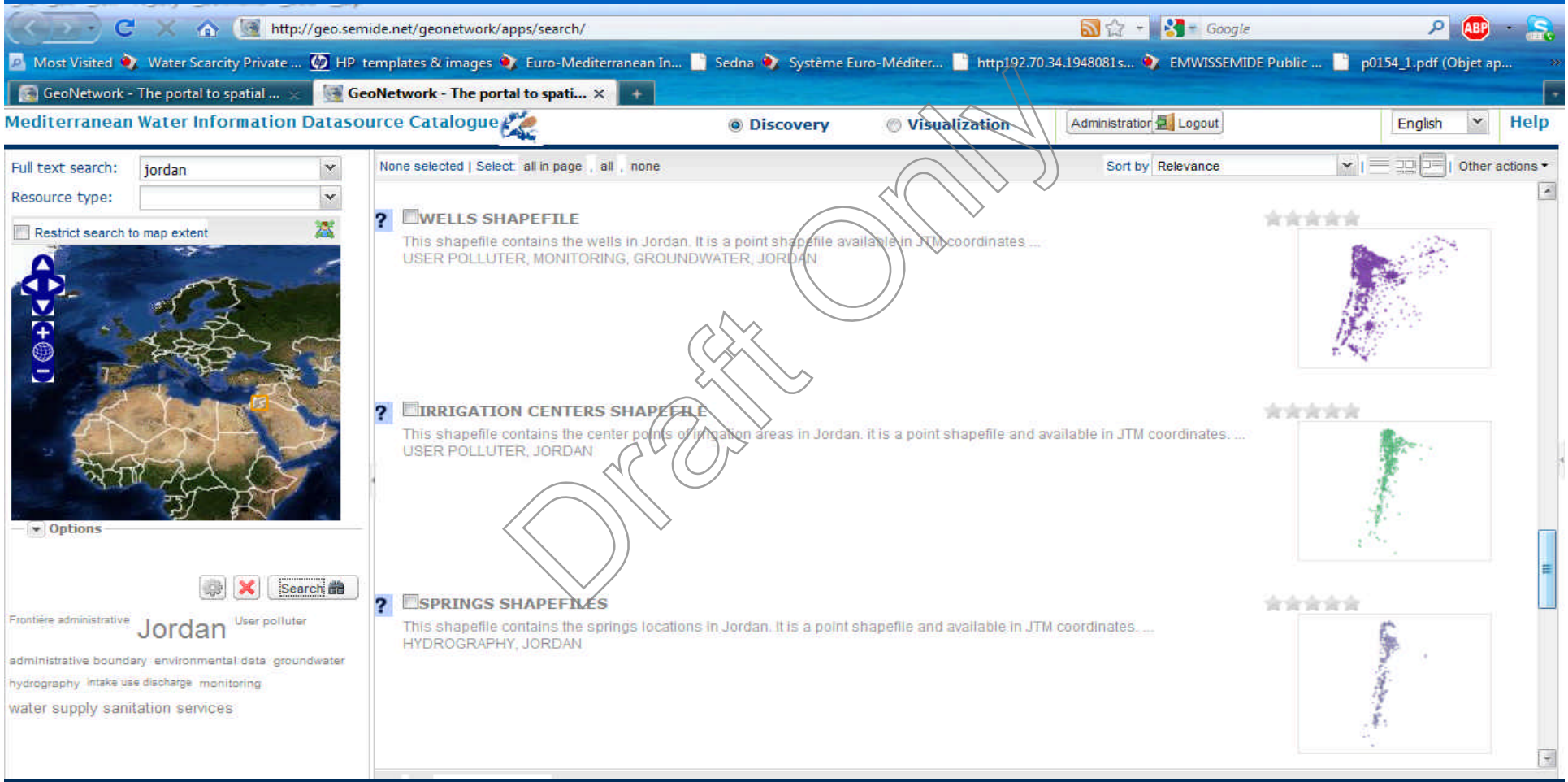
# Thank you

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**http://geo.semide.net/geonetwork**