



# The Medwet Web Information System: An SDI Application



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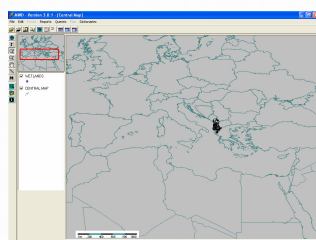
## The MedWet Initiative

The **Mediterranean Wetlands Initiative** is a permanent network that encourages international collaboration among Mediterranean countries, specialized wetland centres and international NGOs in protecting wetlands.

## Existing MedWet applications

### I. The MedWet Database:

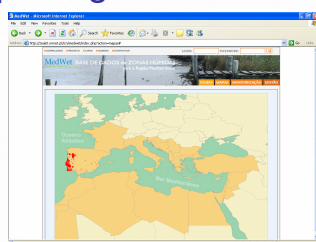
- Wetland Inventory System
- GIS subsystem



Current implementation status:  
Desktop application in use.

### II. The MedWet Web Application (INTERREG III C SUDOE):

- Descriptive data entry and reporting functions
- Web mapping system



Current implementation status:  
Web application in use.

## The MedWet Web Information System (INTERREG III C CODDE)

The MedWet Web Information System (MWIS) is a key tool for the conservation and sustainable use of wetlands. It provides access to GI and promotes interoperability of wetland inventory data among Mediterranean countries in line with SDI initiatives (GSDI, INSPIRE, GTOS).

Thus, the MWIS will encourage the participation of Mediterranean countries, European organisations and other bodies in wetland inventory and management efforts.

The tool is being developed in the context of the MedWet/CODDE project (INTERREG III C 2005-2007).

## Innovations of the MedWet Web Information System

- Additional data entry functionality (new datasheets).
- Advanced analysis, querying and reporting functionality.
- SDI features (spatial data sets, metadata, access control policy, network services).

Current implementation status:  
Web application, expected in 2007.



Wetland of Kerkini, Greece. Photo archive EKBY, 2005.



Wetland of Narta, Albania. Photo archive, EKBY 2005.

## Access Control Policy

The CODDE Access Control interface manages content access rights, usernames, passwords and user groups. The rights of the users are not defined directly but are inherited by the respective groups where they belong.

The Access Control interface provides:

- Access control scalability
- Access control flexibility
- Access traceability

## Network Services

### View services

- Web browser (HTML).
- Reports of various formats (PDF/text/XML/Doc).

### Discovery services

Search for spatial data sets based on content, keywords or metadata.

### Download service

Authorized users will be able to download spatial data sets in an open format such as GML.

### Invoke spatial data service

Invoke system procedures via XML/RPC.

## Spatial Data Sets

- Catchments (location, boundaries, area).
- Wetlands (location, boundaries, area).
- Habitats (location, boundaries, area).

## Metadata

describe spatial data sets and services and allow users to discover, inventory and use them.

- public authorities responsible for the establishment, maintenance and distribution of spatial data sets & services;
- rights of use of spatial data sets & services;
- additional information (keywords, geodetic reference systems, data quality, etc.).