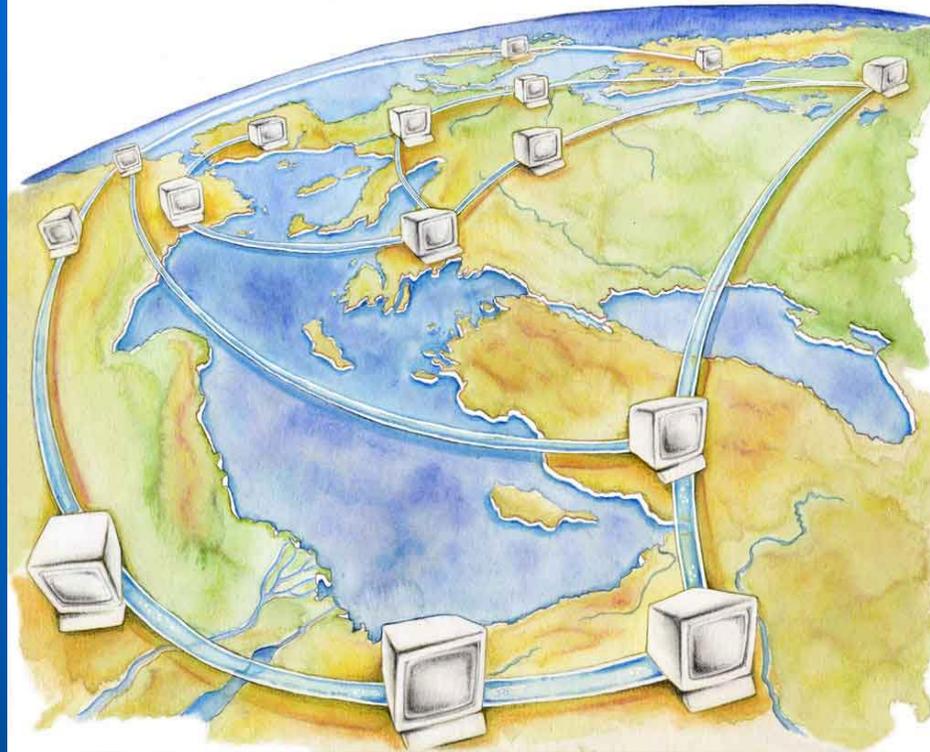


SEMIDE
EMWIS

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

Prototype metadata catalogue from
the twinning project on Water Quality
Management

Eric MINO



DG ENV

EURO-MEDITERRANEAN PARTNERSHIP





Objectives of a Metadata catalogue

- Declare (register) water related data set or services
- Search (discover) for sources of data
- View, download data and access to data services are subject to the level of access defined by the data providers.

Using

- ❑ Standardised metadata structure (ISO)
- ❑ Code lists for semantic interoperability of content



Home page

<http://www.oieaudci.net/category>

The screenshot shows the GeoNetwork website interface. At the top, there is a navigation bar with the text "GeoNetwork - The portal to spatial data and information" and "GeoNetwork Opensource Geographic data sharing for everyone". Below this, a main banner features the text "Twinning project on Water Quality Management Catalogue of data sources Operational prototype" next to a small flag icon. The page includes a search bar with the text "Text search Where?" and a "Search" button. A sidebar on the left lists "CATEGORIES" such as Dataset, Documents, Geo-dataset, and Info. system. Below the categories, there is a "RECENT CHANGES" section with a list of items like "LN_Touristic_areas" and "LN_Settlements". The browser window title is "GeoNetwork - The portal to spatial data and information - Mozilla Firefox" and the address bar shows "http://www.oieaudci.net/category/srv/en/main.home".



45 records for Egypt

Euro-Mediterranean Information Sy... x GeoNetwork - The portal to spati... x +



**Twinning project on Water Quality Management
Catalogue of data sources
Operational prototype**



Geographic data sharing for everyone

Home | Contact us | Links | About | Help | Username Password English Login

FIND INTERACTIVE MAPS, GIS DATASETS, SATELLITE IMAGERY AND RELATED APPLICATIONS

Text search

Where?    



Open Map Viewer >

- Any -

- Any -

- User defined - Egypt

Lake Nasser

World

Reset

CATEGORIES

- Dataset
- Documents
- Geo-dataset (vector/raster)
- Info. system international
- Info. system national/local
- Interactive Resources
- Maps
- z_applications
- z_audioVideo
- z_caseStudies
- z_directories
- z_photo
- z_proceedings

RECENT CHANGES 

- LN_Touristic_areas
- LN_Settlements
- LN_Roads
- LN_Protected_area
- LN_Fishingsectors
- LN_Wlevel180m
- LN_Mineral
- LN_2kmBuffer

Aggregate Results matching search criteria : 1-10/45 (page 1/5), 0 selected Sort by Relevance Select : all, none ⊕ actions on selection



CENTRAL AGENCY FOR PUBLIC MOBILISATION AND STATISTICS WEBSITE

Abstract
Keywords UP, Egypt












MINISTRY OF WATER RESOURCES AND IRRIGATION WEBSITE

Abstract
Keywords HYE, MO, UP, Egypt












NATIONAL WATER RESEARCH CENTER WEBSITE

Abstract
Keywords Egypt












MINISTRY OF HEALTH AND POPULATION WEBSITE










Done



Lake Nasser related data

GeoNetwork - The portal to spatial data and information - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://www.oieaudci.net/category/srv/en/main.home

Most Visited Water Scarcity Private HP templates & images Euro-Mediterranean In... Sedna Système Euro-Méditer... http192.70.34.1948081s... EMWISSEMIDE Public ... p0154_1.pdf (Objet ap...

Euro-Mediterranean Information Sy... GeoNetwork - The portal to spati...

Twinning project on Water Quality Management
Catalogue of data sources
Operational prototype

GeoNetwork™
 Opensource
 Geographic data sharing for everyone

Home | Contact us | Links | About | Help |

Username Password English Login

FIND INTERACTIVE MAPS, GIS DATASETS, SATELLITE IMAGERY AND RELATED APPLICATIONS

Text search
 Where?

Open Map Viewer

Lake Nasser

Search

Reset Advanced Options

CATEGORIES

- Dataset
- Documents
- Geo-dataset (vector/raster)
- Info. system international
- Info. system national/local
- Interactive Resources
- Maps
- z_applications
- z_audioVideo
- z_caseStudies
- z_directories
- z_photo
- z_proceedings

RECENT CHANGES

- LN_Touristic_areas
- LN_Settlements
- LN_Roads
- LN_Protected_area
- LN_Fishingsectors
- LN_Wlevel180m
- LN_Mineral
- LN_2kmBuffer

Aggregate Results matching search criteria : 1-10/45 (page 1/5), 0 selected Sort by Relevance Select : all, none actions on selection

LN_SETTLEMENTS

Abstract Settlements around the Lake Nasser area
 Keywords ENV, Lake Nasser Basin

Metadata

LN_TOURISTIC_AREAS

Abstract Touristic areas around Lake Nasser
 Keywords ENV, Lake Nasser Basin

Metadata

LN_2KMBUFFER

Abstract 2km Buffer zone around Lake Nasser
 Keywords ENV, Lake Nasser Basin

Done



6 records related to water monitoring

GeoNetwork - The portal to spatial data and information - Mozilla Firefox

http://www.oieaudci.net/category/srv/en/main.home

Twinning project on Water Quality Management Catalogue of data sources Operational prototype

GeoNetwork OpenSource
Geographic data sharing for everyone

Home | Contact us | Links | About | Help | Username: _____ Password: _____ English Login

FIND INTERACTIVE MAPS, GIS DATASETS, SATELLITE IMAGERY AND RELATED APPLICATIONS

Text search: mo
Where?  Open Map Viewer
Lake Nasser
Search
Reset Advanced Options

Aggregate Results matching search criteria : 1-6/6 (page 1/1), 0 selected Sort by Relevance Select : all, none actions on selection

 **MINISTRY OF WATER RESOURCES AND IRRIGATION WEBSITE**
Abstract
Keywords HYE, MO, UP, Egypt


 Metadata

 **WEBMAPPING APPLICATION PRECIPITATION DATA**
Abstract
Keywords MO, Egypt


 Metadata

 **MAP OF MONITORING STATION ON NILE RIVER**
Abstract "Monitoring Location on the river Nile and its branch" published in the Bulletin 3 of the National Water Quality Monitoring Program
Keywords MO, Egypt


CATEGORIES

- Dataset
- Documents
- Geo-dataset (vector/raster)
- Info. system international
- Info. system national/local
- Interactive Resources
- Maps
- Z_applications
- Z_audioVideo
- Z_caseStudies
- Z_directories
- Z_photo
- Z_proceedings

RECENT CHANGES

- LN_Touristic_areas
- LN_Settlements
- LN_Roads
- LN_Protected_area
- LN_Fishingsectors
- LN_Wlevel180m
- LN_Mineral
- LN_2kmBuffer

GeoRSS

Done



12 GIS layers declared

GeoNetwork - The portal to spatial data and information - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://www.oieaudci.net/category/srv/en/main.home

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Euro-Mediterranean Information Sys... GeoNetwork - The portal to spati... x

Catalogue of data sources
Operational prototype

Geographic data sharing for everyone

Home | Contact us | Links | About | Help |

Username Password Login

FIND INTERACTIVE MAPS, GIS DATASETS, SATELLITE IMAGERY AND RELATED APPLICATIONS

-Text search
Where?



Open Map Viewer

Egypt

Search

Reset Advanced Options

Aggregate Results matching search criteria : 11-12/12 (page 2/2), 0 selected Sort by Relevance Select : all, none actions on selection

LN_AGRICULT_AREAS

Abstract Planned and current agricultural areas around Lake Nasser
Keywords ENV, Lake Nasser Basin



LANDSAT IMAGES OF LAKE NASSER AREA

Abstract Lansat images existing at the MoWI information center
Keywords ENV, Lake Nasser Basin



Previous 1 2

CATEGORIES

- Dataset
- Documents
- Geo-dataset (vector/raster)
- Info. system international
- Info. system national/local
- Interactive Resources
- Maps
- z_applications
- z_audioVideo
- z_caseStudies
- z_directories
- z_photo
- z_proceedings

RECENT CHANGES

- LN_Touristic_areas
- LN_Settlements
- LN_Roads
- LN_Protected_area
- LN_Fishingsectors
- LN_Wlevel180m
- LN_Mineral
- LN_2kmBuffer
- LN_Wlevel160m
- LN_Fishfarms

GeoRSS

Done



Metadata record for MWRI website

GeoNetwork - The portal to spatial data and information - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://www.oieaudci.net/category/srv/en/main.home

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Euro-Mediterranean Information Sy... GeoNetwork - The portal to spati...

- z_applications
- z_audioVideo
- z_caseStudies
- z_directories
- z_photo
- z_proceedings

RECENT CHANGES GeoRSS

- LN_Touristic_areas
- LN_Settlements
- LN_Roads
- LN_Protected_area
- LN_Fishingsectors
- LN_Wlevel180m
- LN_Mineral
- LN_2kmBuffer
- LN_Wlevel160m
- LN_Fishfarms

IDENTIFICATION INFO

Title Ministry of Water Resources and Irrigation website
 Date type **Publication:** Date identifies when the resource was issued
 Status **On going:** Data is continually being updated

Point of contact

Role **Originator:** Party who created the resource
 Maintenance and update **As needed:** Data is updated as deemed necessary
 frequency
 Descriptive keywords HYE, MO, UP (theme).
 Descriptive keywords Egypt (place).
 Access constraints **Copyright:** Exclusive right to the publication, production, or sale of the rights to a literary, dramatic, musical, or artistic work, or to the use of a commercial print or label, granted by law for a specified period of time to an author, composer, artist, distributor
 Use constraints :
 Language English
 Character set **UTF8:** 8-bit variable size UCS Transfer Format, based on ISO/IEC 10646

Extent

Geographic bounding box

West bound 24.70680

North bound 31.64694

South bound 21.99416

East bound 36.89583

Distribution Information

Transfer options
 OnLine resource http://www.mwri.gov.eg/english/english_home.asp

Done



Sorting, printing, exporting

GeoNetwork - The portal to spatial data and information - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://www.oieaudci.net/category/srv/en/main.home

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Euro-Mediterranean Information Sy... GeoNetwork - The portal to spati... x

Catalogue of data sources
Operational prototype

Home | Contact us | Links | About | Help |

Username Password English Login

FIND INTERACTIVE MAPS, GIS DATASETS, SATELLITE IMAGERY AND RELATED APPLICATIONS

Text search Where?

 Open Map Viewer

Egypt

Search

Reset Advanced Options

CATEGORIES

- Dataset
- Documents
- Geo-dataset (vector/raster)
- Info. system international
- Info. system national/local
- Interactive Resources
- Maps
- z_applications
- z_audioVideo
- z_caseStudies
- z_directories
- z_photo
- z_proceedings

RECENT CHANGES 

- LN_Touristic_areas
- LN_Settlements
- LN_Roads
- LN_Protected_area
- LN_Fishingsectors
- LN_Wlevel180m
- LN_Mineral
- LN_2kmBuffer
- LN_Wlevel160m
- LN_Fishfarms

Done

Aggregate Results matching search criteria : 1-10/20 (page 1/2), 2 selected Sort by **Relevance** Select : all, none

MINISTRY OF WATER RESOURCES AND IRRIGATION WEBSITE

Abstract
Keywords HYE, MO, UP, Egypt

Metadata

MINISTRY OF HEALTH AND POPULATION WEBSITE

Abstract
Keywords Egypt

Metadata

MINISTRY OF AGRICULTURE AND LAND RECLAMATION WEBSITE

Abstract
Keywords Egypt

Metadata

MINISTRY OF STATE FOR ENVIRONMENTAL AFFAIRS WEBSITE

Abstract
Keywords Egypt

Metadata

actions on selection

- Display selected only
- Print selection
- Export (ZIP)
- Export (CSV)

Change date
Popularity
Rating
Relevance
Title

Identified users can access hidden resources



GeoNetwork - The portal to spatial data and information - Mozilla Firefox

http://www.oieaudci.net/category/srv/en/user.login

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Twinning project on Water Quality Management Catalogue of data sources Operational prototype

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Home | Administration | Contact us | Links | About | Help | English

User: test TEST Logout

FIND INTERACTIVE MAPS, GIS DATASETS, SATELLITE IMAGERY AND RELATED APPLICATIONS

Text search
Where?



Open Map Viewer

- Any -

Search

Reset Advanced Options

Aggregate Results matching search criteria : 1-10/46 (page 1/5), 0 selected Sort by Relevance Select : all, none actions on selection

 **TEMPLATE FOR RASTER DATA IN ISO19115**

Abstract Read the abstract and supplemental information provided in the Vector template for more details.
Keywords World

Metadata Create Edit Delete Owner: test Other actions Privileges Categories Create child

 **CENTRAL AGENCY FOR PUBLIC MOBILISATION AND STATISTICS WEBSITE**

Abstract
Keywords UP, Egypt

Metadata Create Owner: editor Create

 **NATIONAL WATER RESEARCH CENTER WEBSITE**

Abstract
Keywords Egypt

Metadata Create Owner: editor Create

 **MINISTRY OF HEALTH AND POPULATION WEBSITE**

Metadata

CATEGORIES

- Dataset
- Documents
- Geo-dataset (vector/raster)
- Info. system international
- Info. system national/local
- Interactive Resources
- Maps
- z_applications
- z_audioVideo
- z_caseStudies
- z_directories
- z_photo
- z_proceedings

RECENT CHANGES 

- Template for Raster data in ISO19115
- LN_Touristic_areas
- LN_Settlements
- LN_Roads
- LN_Protected_area
- LN_Fishingsectors
- LN_Wlevel180m

Done



Managing metadata

- **Duplicate any metadata**

- **For your group**

- Edit or delete
- Define privileges
- Assign categories
- Link with other metadata

The screenshot shows the GeoNetwork web interface. The search results are displayed in a table-like format. Each result includes a flag, a title, an abstract, and keywords. Below each result, there is a 'Metadata' section. The 'Create', 'Edit', and 'Delete' buttons are highlighted with red circles. The 'Other actions' dropdown menu is also highlighted with a green circle, showing options like 'Privileges', 'Categories', and 'Create child'. The 'Create' button for the 'editor' user is highlighted with a red circle.



Creating metadata in a category

GeoNetwork - The portal to spatial data and information - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://www.oieaudci.net/categorypt/srv/en/metadata.duplic

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Euro-Mediterranean Information Sy... GeoNetwork - The portal to spati...

 **Twinning project on Water Quality Management**
Catalogue of data sources
Operational prototype

GeoNet
OpenSO
Geographic data sharin

Home | Administration | Contact us | Links | About | Help |

User: test

METADATA CREATION

Please, specify the group to assign to the duplicated metadata
Groups

Done



Mandatory fields contextual help & suggestions

GeoNetwork - The portal to spatial data and information - Mozilla Firefox

http://www.oieaudci.net/category/srv/en/metadata.create

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Euro-Mediterranean Information Sy... GeoNetwork - The portal to spati...

Status

Point of contact

Individual name

Organisation name

Position name

Role *

Voice

Facsimile

Delivery point

City

Administrative area

Postal code

Country

Electronic mail address

Maintenance and update frequency *

Descriptive keywords

Keyword *

Type

Descriptive keywords

Keyword

Type

Access constraints

Use constraints

Other constraints

Spatial representation type

Equivalent scale

Equivalent scale (Suggestions:)

Language

Character set

Topic category code *

Extent

Temporal Extent

Begin date *

End date *

Extent

Geographic bounding box

© WGS 84

Done



Defining privileges

GeoNetwork - The portal to spatial data and information - Mozilla Firefox

http://www.oieaudci.net/category/srv/en/metadata.show?id=127

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Twinning project
Catalogue of data
Operational prototype

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Default view

- By Group
- ISO Minimum
- ISO Core
- ISO All

By Resource

- Metadata
- Identification
- Maintenance
- Constraints
- Spat. Info
- Ref. system
- Distribution
- Data quality
- App. schema
- Catalog
- Content Info
- Ext. Info
- XML view

IDENTIFICATION

Title

Date type

Presentation form

Abstract

Status

Point of contact

Role

Originator: Party who created the resource

Maintenance and update frequency

Descriptive keywords

Access constraints

Use constraints

Language

Character set

Topic category code

Extent

Geographic bounding box

Template for Raster data in ISO19115

Groups	Publish	Download	Interactive Map	Featured	Editing	Notify		
All (Internet)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			Set All	Clear All
Intranet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			Set All	Clear All
test	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Set All	Clear All				

Submit

GeoNetwork
opensource
Geographic data sharing for everyone

User: test TEST Logout

On going: Data is continually being updated

© WGS 84
North bound
90.00000



Assigning categories

The screenshot shows a Mozilla Firefox browser window displaying the GeoNetwork metadata page for 'Template for Raster data in ISO19115'. The page title is 'Twinning project on Water Quality Catalogue of data sources Operational prototype'. A dialog box titled 'Template for Raster data in ISO19115' is open, showing a list of categories with checkboxes for assignment. The categories listed are: Dataset, Documents, Geo-dataset (vector/raster), Info. system international, Info. system national/local, Interactive Resources, Maps, Z_applications, Z_audioVideo, Z_caseStudies, Z_directories, z_photo, and z_proceedings. The 'Assigned' column shows checkboxes for each category, with 'z_proceedings' checked. A 'Submit' button is at the bottom of the dialog. The background page shows the 'IDENTIFICATION INFO' section with fields for Title, Date type, Publication, Digital map, Abstract, and Status. The 'Point of contact' section includes Role, Originator, Maintenance and update frequency, Descriptive keywords, Access constraints, Use constraints, Language, Character set, and Topic category code. The 'Extent' section shows a Geographic bounding box with a North bound of 90.00000.



Thank you

http://www.oieaudci.net/category/srv/en/main.home

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Euro-Mediterranean Information Sy... GeoNetwork - The portal to spati... x +

Operational prototype Geographic data sharing for everyone

Home | Administration | Contact us | Links | About | Help | English | User: test TEST | Logout

FIND INTERACTIVE MAPS, GIS DATASETS, SATELLITE IMAGERY AND RELATED APPLICATIONS

-Text search Where?    

 Open Map Viewer

[Reset](#) [Advanced](#) [Options](#)

CATEGORIES

- Dataset
- Documents
- Geo-dataset (vector/raster)
- Info. system international
- Info. system national/local
- Interactive Resources
- Maps
- z_applications
- z_audioVideo
- z_caseStudies
- z_directories
- z_photo
- z_proceedings

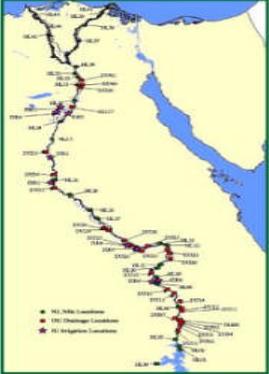
RECENT CHANGES 

- Template for Raster data in ISO19115
- Template for Raster data in ISO19115
- LN_Touristic_areas
- LN_Settlements
- LN_Roads
- LN_Protected_area
- LN_Fishingsectors
- LN_Wlevel180m

Aggregate Results matching search criteria : 1-3/3 (page 1/1), 0 selected Sort by Select : [all](#), [none](#) [actions on selection](#)

 **MAP OF MONITORING STATION ON NILE RIVER**

Abstract "Monitoring Location on the river Nile and its branch" published in the Bulletin 3 of the National Water Quality Monitoring Program
Keywords MO, Egypt

 Owner: mwri

 **MAP OF MONITORING STATION IN THE DELTA OF NILE RIVER**

Abstract "Monitoring Location in Nile delta" published in the Bulletin 3 of the National Water Quality Monitoring Program
Keywords MO, Egypt

 Owner: mwri

 **MAP OF GROUNDWATER MONITORING POINTS**

<http://www.oieaudci.net/category>



Access remote services

None selected | Select: all in page , all , none

Sort by Relevance

Web Map Service.European Topic Centre on Land Use and Land-Use Change
European Environment Agency (EEA)

WMS maintained by European Topic Centre on Land Use and Land-Use Change reference datasets at European scale. ...
WMS, EEA, UAB

http://158.109.55.144/cgi-bin/wms?

Connect

Geoserver

- Web Map Service.European Topic Centre on Land Use and Land-Use Change
 - Erosion
 - Biogeographical Regions
 - EU Mountain Areas
 - Green Urban Areas
 - Urban Morphological Zones
 - Green Background of Europe
 - Dominant Landscape Types
 - Reference Grids
 - Elevation Breakdown
 - Corine Land Cover
 - WISE
 - WISE Main Rivers extracted from ECRINS Database
 - WISE Main Lakes
 - Hydrography
 - WPS results
 - Noise

Preview layer



View remote services

GeoNetwork - The portal to spatial data and information - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://geo.semide.net/geonetwork/apps/search/#

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GeoNetwork - The portal to spatial d...

Mediterranean Water Information Datasource Catalogue

Discovery Visualization username Login English Help

None selected | Select: all in page , all , none Sort by Relevance

Web Map Service.European Topic Centre on Land Use and Spatial Information. European Environment Agency (EEA)
WMS maintained by European Topic Centre on Land Use and Spatial Information. This services includes information about Corine Land Cover at diferents resolutions among other reference datasets at European scale. ...
WMS, EEA, UAB

WGS84 (lat/lon)



1000 mi 1 : 69755965

<< | >> | 1-1 result(s) / 1

Done