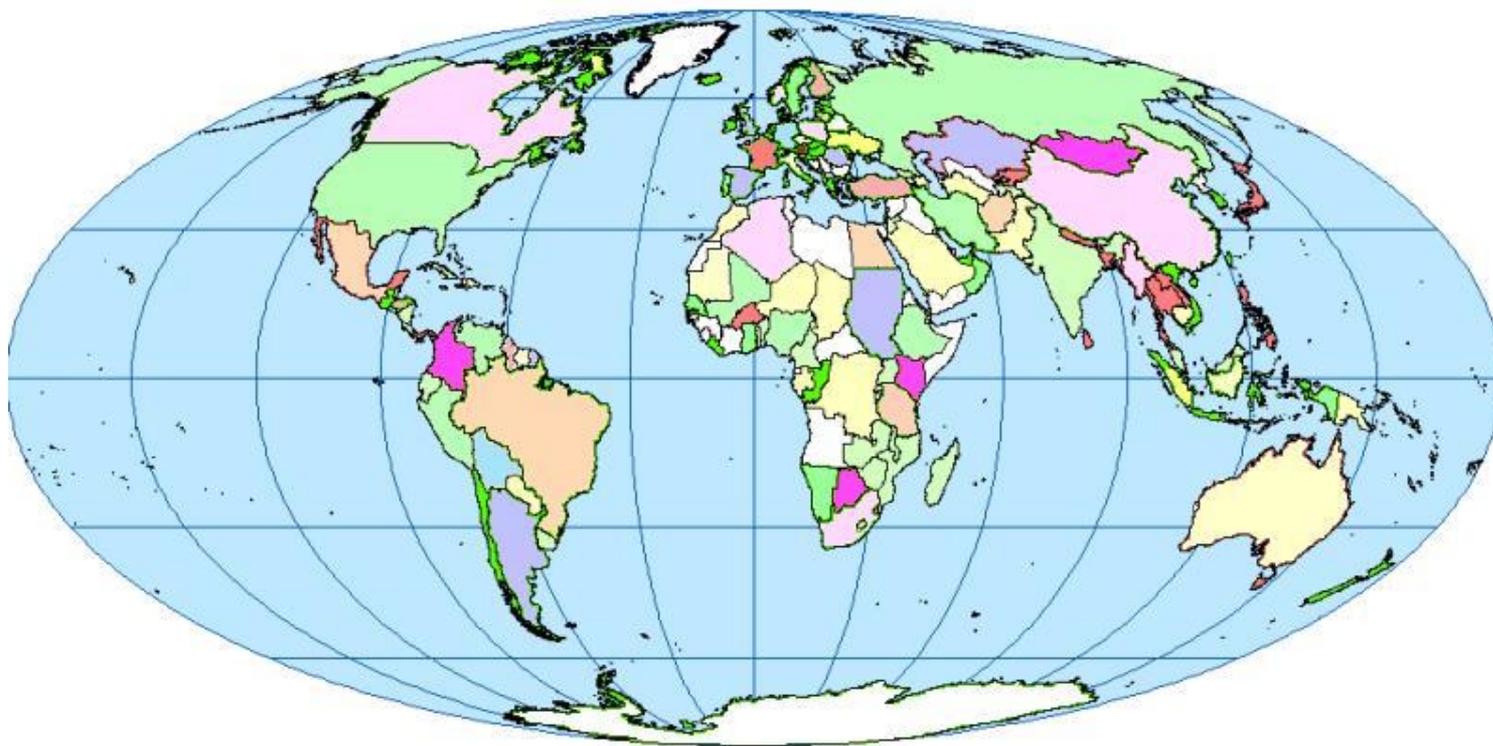


Las Infraestructuras de Datos Espaciales en el Mundo



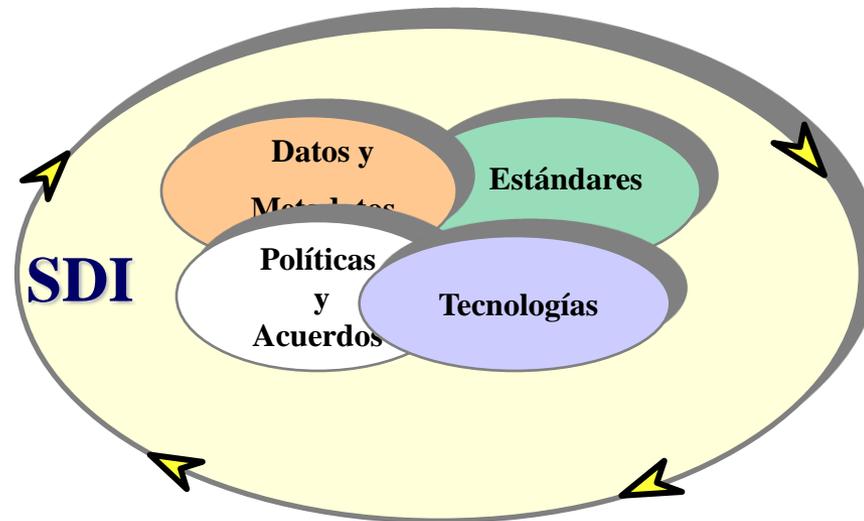
Alejandra Sánchez Maganto

JTIDEE- Zaragoza 2004

- **El Desarrollo de las SDI no es homogéneo, el modo de implementación y la velocidad de desarrollo es diferente para cada país.**

- **Los elementos Fundamentales de una SDI:**

El grado de desarrollo varía para cada país



- **Se han seleccionado una serie de SDIs para que sirvan de consulta a las organizaciones en el momento de crear su propia SDI.**



- Red de datos y servicios distribuidos vía Internet.
- Coordinada por el programa GeoConnections.
- Estándares y Tecnologías: Cumple especificaciones OGC y Norma ISO 19115

Canadian Geospatial Data Infrastructure

Home Search Help Sitemap Contact Us Français

>>Home

Welcome to CGDI/GeoConnections

GeoConnections is a national partnership initiative working to build the Canadian Geospatial Data Infrastructure (CGDI), which will make Canada's geospatial databases, tools and services readily accessible on-line.

Maps & Images
Find sources for maps, images, photos... >>

Data
Search by name, date, location, subject or product type. >>
Find free geospatial data. >>

Organizations & Services
Search for Canadian and international sources of geospatial data and services. >>

Projects
Read about the latest geospatial applications, tools and services developed for the CGDI. >>

Success Stories
FloodTrack
CGDI is becoming an essential part of international flood-response efforts, expanding the visibility and influence of Canada's geospatial community. >>

What's New
>> CGDI Developers' Guide and Online Training Now Available
>> GeoConnections facilitates new forum for real property community
>> More News & Events...

Diseño del Portal

Atractivo al usuario

Fácil manejo

Completo



Catálogo de Datos

Databases

ABCDEFGHIJKLMNOPQRSTUVWXYZ Other

Data by Province/Territory

All, Alberta, British Columbia, Manitoba, New Brunswick ...

Framework Data

Ecological Units, Hydrography, Municipalities, Provinces, Railroads...

Free Data

GeoGratis, GeoBase...

Thematic Data Types, Subject and Product Types

Atlas, Remote-sensing Data, Earthquakes, Vegetation, Air Photos ...

Other Portals/Networks

Canadian Ice Service, Climate Change, Earth Observation Catalogue...

Amplio criterio de Búsqueda de mapas, imágenes, publicaciones :

Bases de Datos, Territorio, Tema, Portal, Tipo de Producto y por Discovery Portal.

4 atributos para cada dato y servicio:

- Pertenece a Canadá.
- Tiene Metadatos.
- Es Gratuito.
- Búsqueda Online en Discovery Portal.

Search Internet databases Tutorial

Location: North:
 West: East:
 South:
 Time Period:

Databases:

Free Text: (optional)

Results Returned:

Search Duration: Maximum time to wait for Internet database to respond



Visualizador Web :

Añadir Servidor de Teledetección

Añadir Servidor

Añadir Capas

Añadir Entidad

Buscador Número de Hoja

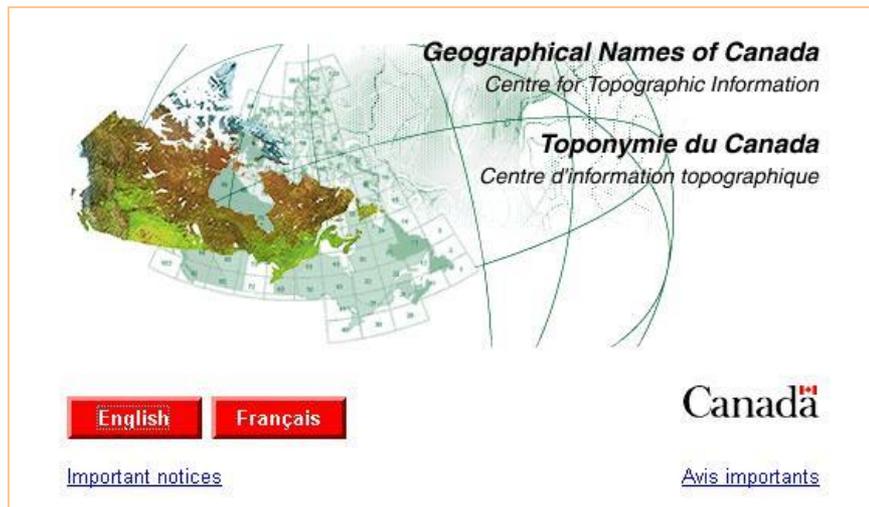
Buscador Código Postal

Ayuda

Location	Time Period (Start/End)	Search Text
83.90400	1990 January 01	
-160.212693	GML Output	-53.787307
20.096000	2004 November 02	



Nomenclator:



Muchos Criterios de consulta

Documentos sobre Nomenclátore

Muy actualizado

Recomendable mirar

http://geonames.rncan.gc.ca/index_e.php

The logo for IMAGI, featuring the word "IMAGI" in a bold, blue, sans-serif font. The logo is positioned in the top right corner of the slide, above a blue bar that contains a white compass rose graphic.

- **Proyecto en desarrollo iniciado en Febrero de 2001.**
- **Creado el Servicio de MetaInformación “GeoMis Bund”:**
 - Sistema de Búsqueda de datos y de información de sus Metadatos
 - Stándares: OGC: Catalogue Service Implementation Specifications.
ISO 19115 Geographic information - Metadata
ISO 19139 Geographic information - Metadata - Implementation specification
- **Desarrollando proyectos pilotos de Visualizadores de Mapas.**

<http://www.imagi.de>

<http://puppis.geomis.bund.de/geoportal/index.jsp>

Geo Data Search

About GeoMIS.Bund

Simple Search

Advanced Search

Assistant

FMIS Info

Info Exchange

Download

About GeoMIS.Bund

The Geo-spatial data M
Government is designe

This Higher-Level search
subject specific meta in

counties and independent businesses are to be included. GeoMIS.Bund® is a service,

of a Portal of Geo-spatial data (GeoPortal.Bund®),
various services and information, as part of a national

GeoMIS.Bund Advanced search

1. What? (Theme) [Examples](#)
Road

2. Select professional categories

<input type="checkbox"/> Biota and environment	<input checked="" type="checkbox"/> Basic data
<input type="checkbox"/> Air	<input type="checkbox"/> Water
<input type="checkbox"/> Statistics	<input type="checkbox"/> Infrastructure
<input type="checkbox"/> Geology	<input type="checkbox"/> Farming

3. Date of issue
from MM JJJJ until MM JJJJ (month | year)

GeoMIS.Bund Advanced search

What? (Theme) [Examples](#)
Natura

2. Select professional categories

<input checked="" type="checkbox"/> Biota and environment	<input checked="" type="checkbox"/> Basic data
<input checked="" type="checkbox"/> Air	<input checked="" type="checkbox"/> Water
<input type="checkbox"/> Statistics	<input type="checkbox"/> Infrastructure
<input checked="" type="checkbox"/> Geology	<input checked="" type="checkbox"/> Farming

3. Date of issue
from MM JJJJ until MM JJJJ (month | year)

4. Where? (Location) [Examples](#) [Gotheseources](#) Please
Berlin
The search will respect not only the text field but also the current map selection.



start search

Search results GeoMIS.Bund

Please select your metadatabase by clicking the link: **Results per page:** 10 **set**

1. Hamburger Metadatenkatalog (HMDK)	Biota and environment	(No answer)
2. Umweltdatenkatalog Niedersachsen	Biota and environment	(No answer)
3. Umweltdatenkatalog Hessen	Biota and environment	(1 Results)
4. Foundation Alfred Wegener Institute for Polar and Marine Research and Center for Marine Environmental Sciences	Biota and environment, Air, Water, Geology	(0 Results)
5. NOKIS	Biota and environment, Water	(0 Results)
6. Umweltbundesamt Berlin	Biota and environment	(0 Results)
7. Bundesamt für Kartographie und Geodäsie (BKG)	Basic data	(0 Results)
8. GeoForschungszentrum Potsdam (GFZ)	Air	(0 Results)
9. Fachstelle Informationstechnik der Wasser- und Schifffahrtsverwaltung (WSV)	Water	(0 Results)
10. Bundesanstalt für Geowissenschaften und Rohstoffe (BGR)	Geology	(0 Results)
11. Zentralstelle für Agrardokumentation und -information (ZADI)	Farming	(0 Results)

User Name

Password

Login

» [New Account](#)
» [Help](#)
» [Password Forgotten?](#)

The allocation of this as
On the **6th of April**, 20

Federal Ministry of the
GI, to name the Federal
the development and running
the Federal Government

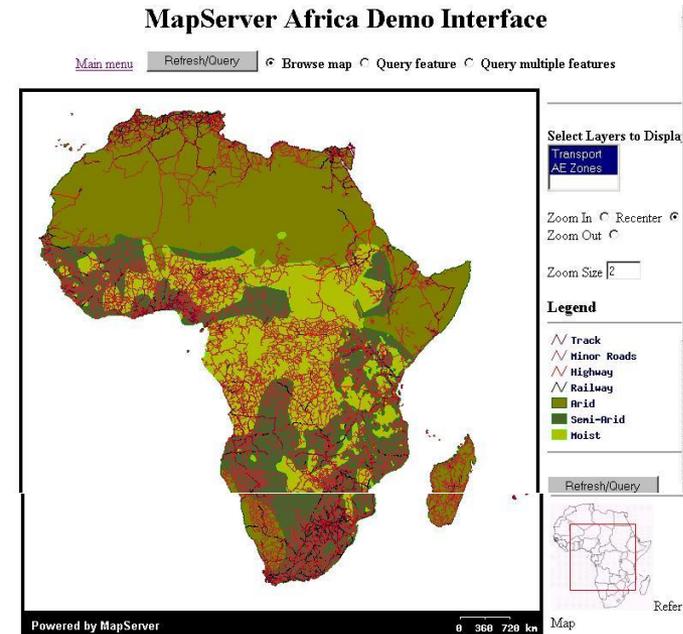
in the **27th of July**, 2000.
I was contracted by the BKG

to produce a bid of the exact requirements of the end-product and the prototype
GeoMIS.Bund/1.0.



- Creada para proporcionar datos y servicios entre organizaciones y humanitarias del cuerno de Africa.
- **Geo Depot** : Catálogo de datos con sus metadatos según el estándar de FGDC.
- **Visualizadores de Mapas**: Servidores de mapas UNEP

World	Continental	National	Local
UNCHS Cities <input type="button" value="Full"/> <input type="button" value="Lite"/>	<input type="button" value="Africa Sampler"/> <input type="button" value="Africa Refugee Camps"/>	<input type="button" value="DEPHA Somalia"/> <input type="button" value="Bhutan GLOF"/> <input type="button" value="Uganda sampler"/>	<input type="button" value="Itasca County, MN"/> <input type="button" value="Kilimanjaro"/>
IATA Airports <input type="button" value="Full"/> <input type="button" value="Lite"/>	<input type="button" value="Africa Refugee Camps 'Lite'"/> <input type="button" value="South America Waterways"/>		





- ▶ **Product Search (Map Enabled)**
- ▶ Browse Products by Title
- ▶ Search Publications & Articles by Geoscience Australia Staff

Updated: 03 December 2000

Product Search (Text Only)

The Geoscience Australia Catalog database has information on all products sold by the Sales Centre. To query the database fill in part of the form then press 'Submit' for a list of matching products.

Product/Map title:

(e.g. Mount Isa)

Product type:

Surname of one author:

Maximum number of results:

All Products

Publication

Airborne Digital Data

Data Package

Database

Educational Product

GIS Dataset

Geological Map

Geophysical Map

Gravity Digital Data

Marine Data

▶ Do you need some more help?

▶ A map enabled version of this product listing by

▶ Not sure what you want? Try searching by product title

Catálogo de Datos

Updated: 18 June 2003

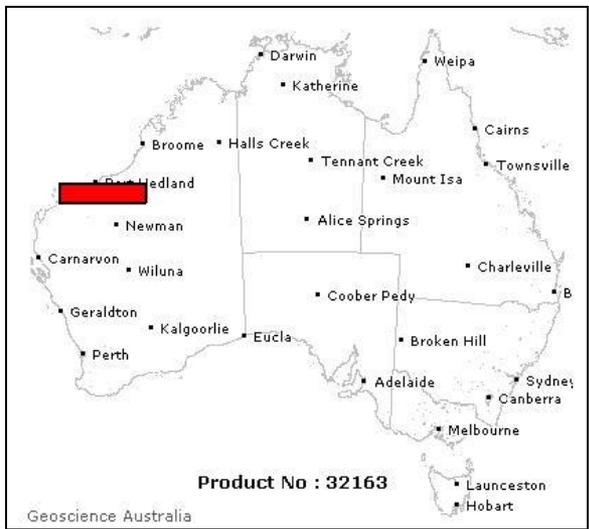
Browse Products by Title

A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
P | Q | R | S | T | U | V | W | X | Y | Z |

[\[back to top\]](#)

Click on a title to view more detailed information.
Click on [\(Map\)](#) to view location.
Click on [\(ANZLIC\)](#) to view associated ANZLIC spatial metadata.

Title	Date	Senior Author	Type	Price \$
A 'virtual' structural field trip of the North Pilbara (Map)	2000	Blewett, R.S.	GA Publication - Record	32.45
A BMR marine geoscience program in Antarctica.	1989	Stagg, H.M.J.	GA Publication - Record	32.45





Place Name Search
Compute a Distance between place names
Feature Codes used by the Gazetteer
Custodians of the Gazetteer
Corrections to the Gazetteer
Gazetteer Product Information
Metadata
Committee for Geographical Names in Australasia (CGNA)
Other Gazetteer Sites

Place Name Search

Updated: 01 March 20

Place name:

Place Type:

State:

How to Use the Place Name Search

Use this Search to find the location of places in Australia

Place Names Search: MELBOURNE

STATE: WA
CUSTODIAN: WA
FEATURE CODE: DI (Administrative)
STATUS: Official
LATITUDE: 30° 39' S [Decimal Degrees -30.666°]
LONGITUDE: 116° 10' E [Decimal Degrees 116.168°]
EASTING: 420000 [UTM zone 50, GDA 94]
NORTHING: 6607000
FEATURE NUMBER: WA100175338
100K MAP No.: 2136



- Major population centres
- 1:250 000 sheet areas
- Capital cities
- Major roads
- Major rivers
- State borders
- Water bodies

How to Use the Data

This que the Gaze

Product Search

(Map Enabled)

- ▶ BONAPARTE BASIN, Australian Petroleum Accumulations Report 5 - 2nd Edition
- ▶ Product Search (text only)
- ▶ Introduction
- ▶ Help using the map interface
- ▶ Looking for products around a particular place? Use the Place Name Search
- ▶ National scale

Visible Layers:

- 1:1 Million Map Sheets
- 1:250,000 Geological Map Sheets
- 1:250,000 Topographic Map Sheets
- 1:100,000 Map Sheets
- 1:50,000 Map Sheets (Orthophoto)
- 1:50,000 Map Sheets (Topographic)
- Geological regions
- Highways

his point in our products database.
to find out how to purchase this map.
accurate to 1 minute of latitude/longitude (approximately 1.8 km).

Product Search

(Map Enabled)

- ▶ BONAPARTE BASIN, Australian Petroleum Accumulations Report 5 - 2nd Edition
- ▶ Product Search (text only)
- ▶ Introduction
- ▶ Help using the map interface
- ▶ Looking for products around a particular place? Use the Place Name Search

Product Title	Map	Year	Senior Author	Product Type	\$ AUD (inc. G)
Melbourne gravity contour map 1:250 000 51/55-05				Geophysical Map - gravity contour	22.00
Melbourne gravity digital data			Souter, D.	Gravity Digital Data - 1M scale	99.00
South Victoria, (Melbourne, Queenscliffe), Vic, 1983 (P488)				Airborne Digital Data - Point Located / Grid	99.00

Catálogo de Productos



Metadatos

Geomet: Es una base de Datos de Metadatos conforme su propio perfil de metadatos

Enter part of dataset title (e.g. Cloncurry)

Select an ANZLIC searchword group

Select a searchword qualifier

Enter geographic extent name (e.g. Ayr)

Select category of extent name

Enter surname of one author (e.g. Smith)

Select the time span to search

Select maximum data

Visualizador Web

The screenshot displays the Geoscience Australia web viewer. At the top, there's a search bar and navigation buttons like 'SAVE', 'LOAD', 'KEY', 'CITY', 'MINE', 'REGION', 'FULL EXTENT', and 'GO!'. The main map area shows a colorful overlay of geoscience datasets over a reference map of Australia. A legend on the right lists categories such as 'Cultural/Industrial infrastructure', 'Population centres', 'Political', and 'Infrastructure'. A scale bar at the bottom indicates an approximate scale of 1:38 992 000.

Libre Descarga

Establecimiento de criterios:

Tipo de Producto

Area de Interés

Etc

Servicios de una IDE

Catálogo de Datos

Visualizador Web

Nomenclator

OGC WMS Viewer

DISCOVERY CATALOG EDIT SERVERS EDIT LAYERS EDIT CONTEXT

180,90

LAYERS LEGEND

INTERGRAPH WORLD MAP:
 CAPITALS
 -OCEAN LABEL

OGC Web Registry Service Query
SRS EPSG:4326
y-max: 90
x-min: -180 x-max: 180
y-min: -90
Theme: All Themes
Keyword:
Server: Compusult
http://205.153.241.65:8080/wrs_ogcrim
[SUBMIT] [CANCEL]

Query Results

WMS Servers Connected in Current Map:
URL: http://maps1.intergraph.com/wms/world/request.asp
INTERGRAPH WORLD MAP
DEMIS WORLD MAP SERVER
Priority: [checkbox]
[ADD NEW...] [FORMAT...] [REMOVE] [UPDATE MAPS] [CANCEL]

Layers displayed in Current Map:
Pre-defined SLD's url:
INTERGRAPH WORLD MAP
Capitals
Ocean Label
Lakes
Country
Priority: [checkbox]
[ADD NEW...] [STYLE...] [REMOVE] [RECREATE MAPS] [CANCEL]

Add New WMS Connection...
Enter your WMS URL below.
Or, browse through the following list of WMS, which are part of our Open Geospatial Network.
INTERGRAPH WORLD MAP WMS of world data provided by Intergraph Mapping and Geospatial Solutions at www.intergraph.com/gis.
INTERGRAPH U.S. SAMPLE Intergraph's World Map serves approximately 10 layers of
CCRS SPATIAL DATA WAREHOUSE
DEMIS WORLD MAP SERVER
THE GLOBE PROGRAM WMS
JPL WEB MAP SERVER
[OK] [CANCEL]

Add Layers From Selected Server...
All Layers in INTERGRAPH WORLD MAP
GLOBEImage
Admin
Country
Lakes
Railway
World Grid Lines
[OK] [CANCEL]

The screenshot displays the ArcExplorer Web interface in Microsoft Internet Explorer. The main window shows a map of the Mediterranean region with various overlays, including bathymetry and clearinghouses. The interface includes a toolbar with navigation and tool icons, and a status bar at the bottom showing a scale of 0 to 97 km.

Overlaid on the main window are three dialog boxes:

- ArcExplorer Web - Load Map - Microsoft Internet Explorer**: A message box titled "MESSAGE" with the text "Start using ArcExplorer Web with:" and three radio button options: "services from the Geography Network", "services from other Internet Servers", and "a previously saved map". It has "OK" and "CANCEL" buttons.
- ArcExplorer Web - Add Services - Microsoft Internet Explorer**: A dialog box titled "ADD SERVICES" with a "Look in:" dropdown menu set to "Internet Servers", a "Map Server URL:" text box containing "http://", an "Account:" section with a "Show restricted services" checkbox, and "OK", "CLOSE", and "HELP" buttons.
- ArcExplorer Web - Live Data and Maps**: A panel showing a table of records and a "Live Data and Maps" section.

Type of Content Shown on This Page	Records
Live Data and Maps	1
Downloadable Data	1
Offline Data	5
Applications	11
Clearinghouses	2

Live Data and Maps

Publisher: UNEP-WCMC
Content Title: Mediterranean IMAPS
Coverage Area: Mediterranean
Service Type: ArcIMS Image Service
Latest Status: Service Running

Buttons: [Link to Content](#) [View Details](#) [View Map](#) [Add to ArcExplorer Web](#)

Map Legend:

- Bathymetry
- Seagrass Areas
- Sperm Whale

Map Scale: 0 30mi 97km

GIS Clearinghouse

- Search by Subject
- Search by Organization Name
- Search by Organization Type

Base Map	Cultural	Demographic	Environmental
Health Services	Infrastructure	Public Safety	Miscellaneous

- Base Map
 - Boundaries
 - Cadastral (tax parcels)
 - Elevation
 - Geodetic Control
 - Hydrography
 - Imagery (Raster & Orthomosaic)
 - Planimetric
 - Transportation
- Cultural
 - Education
 - Historic Sites
 - Parks/Recreation
 - Political
 - Tourism/Business

Data Set Name	Organization
New York State Aquifers	Health, NYS Department of
New York State 1:3,000,000 Scale Hydrography	Cyber Security & Critical Infrastructure Coordination, Office of

Data Set Name	Description	Scale	Comments	More Info.
Hospitals in New York State	Includes information on the 260 acute care facilities licensed by the NYS Department of Health and covered by Article 28. Does not include psychiatric or federal hospitals.	N/A	The locations on the file reflect the actual location of the hospital where service is provided (which may differ from the corporate/billing location). The geographic coordinates are in NAD 83 and are based on Quadrangle data sets consisting of RASTER image files. Most reflect the center of the facility, rather than a street address.	Metadata

Organization Name	Organization Name
Adirondack Aquatic Institute	New Windsor, Town of
Adirondack Park Agency, NYS	New York, City of Department of Information and Technology
Agriculture and Markets, NYS	Northern Tier Regional Planning and Development Commission
Alcoholism and Substance Abuse, Department of	Olive Natural Heritage Society, Inc.
Allegany County	Oneida County Soil and Water Conservation District
Atlantic State Legal Foundation	Onondaga County
Audubon Society of New York State	Ontario County
Banking, NYS Department of	Orangetown
Bergen, Town of	Orleans County
Big Flats, Town of	Oswego County

Dataset Name	Dataset Description	Scale	Comments
Town Water Line Maps	Map of existing and proposed public water lines in ten towns in Orleans County, including diameters of lines. Map should not be relied upon for an engineering level of accuracy.	1:24,000	Map in not maintained in real time, but rather updated yearly at end of construction season.

[New York State Agencies](#) | [NYS County Governments](#) | [NYS Local Governments](#)
[Federal Agencies](#) | [Non-Profit Organization](#) | [Other States](#)

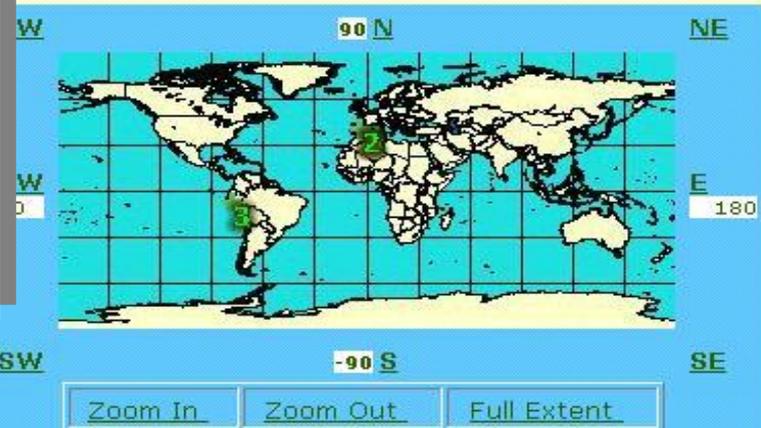
Data Set Name	Description	Scale	Comments	More Info.
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Alexandria Digital Library



- **Biblioteca Digital Distribuida.**
- **Completa: alrededor de 4,4 millones Topónimos.**
- **Búsqueda: Muchos criterios**

Alexandria Digital Library Gazetteer Server Client. Using [ESRI Server](#) [Use ADL Server](#)



Gazetteer Standard Report
Alexandria Digital Library

Reports: [Standard Report](#) | [Standard XML](#)

Feature Name:
Display name: Layos - Spain
Geographic name: Layos

Feature Class:
 populated places from *ADL Feature Type Thesaurus*
 PPL (populated place) from *NGA Feature Designation*

Spatial Reference:
Bounding Coordinates:
 Long: -4.05 Lat: 39.7667
 Long: -4.05 Lat: 39.7667

Footprints:

Geometry Type: Point
 Long: -4.05 Lat: 39.7667

Identification Code: adlgaz-1-3846181-02

Related Information:
Related Entity: part of: UTM grid VK10
Related Entity: part of: Spain
Related Entity: part of: JOG Sheet Number NJ30-0

Place Name: has all words

Layos

Feature Type: ([Feature Type Thesaurus](#))

- Any Type--
- administrative areas
- hydrographic features
- land parcels
- manmade features
- physiographic features
- regions
- military areas
- parks
- vistas

Search

Reset

Place Status: ANY Current Former Proposed

Identification Code:

¡¡Gracias por su atención!!

- **Canadá:** <http://cgdi.gc.ca/>
- **Alemania:** <http://www.imagi.de>
- **Africa:** <http://www.depha.org>
- **Australia:** <http://www.ga.gov.au>
- **Servicios:**
 - ***New York Clearinghouse:*** <http://www.nysgis.state.ny.us/>
 - ***OGC Map Viewer:***
<http://www.wmsviewer.com/main.asp?resolution=low>
 - ***ESRI ArcExplore Web:***
<http://www.geographynetwork.com/arcexplorer/arcexplorer.html>
 - ***Alexandria Digital Library Gazetteer:***
<http://middleware.alexandria.ucsb.edu/client/gaz/adl/index.jsp>

Alejandra Sánchez Maganto: asmaganto@mfom.es