

GeoNetwork Opensource

Developing the glue for a
global geospatial data infrastructure

Jeroen Ticheler



Director



Founder and Chair



Emeritus Director - Sponsor

GeoCat focus is on knowledge of
specific parts of the SDI

Describe – Publish – Find



SERVICES

GEONETWORK OPENSOURCE IMPLEMENTATION

BRIDGE[©]

ONE CLICK DATA PUBLISHING FOR ARCGIS

LIVE[©]

SERVER

CARE

PROFESSIONAL SUPPORT

GeoCat focus is on knowledge of
Open Source Software
Development

Server software

GeoNetwork
Opensource

 **GeoServer**

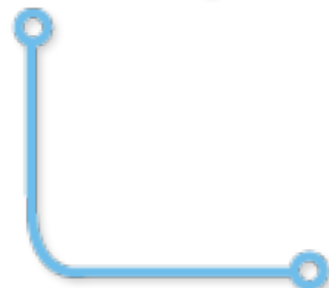
 **MapServer**
open source web mapping

PostGIS  
Geospatial Objects for PostgreSQL

Desktop or portable applications



ArcGIS™ Desktop



It started in 2000 at



with initial support from:



GeoNetwork Opensource

A very comprehensive
metadata editing and management
system

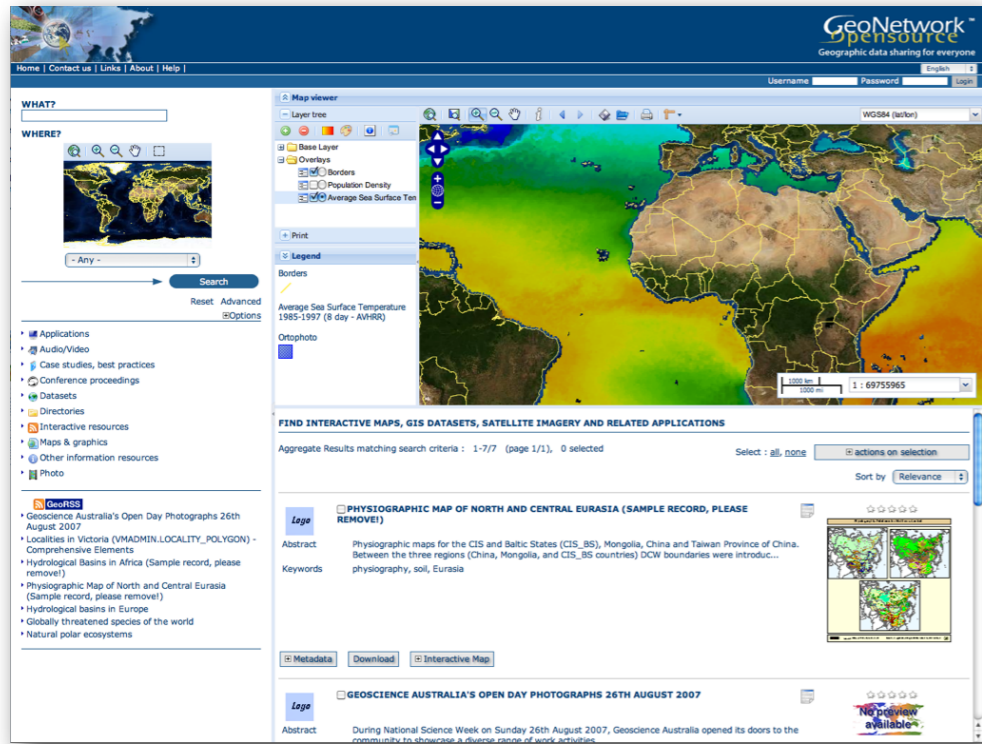
The Basic Building Blocks

- ISO TC211 Standards
- OGC Standards
(Open Geospatial Consortium)

The glue in a Spatial Data Infrastructure



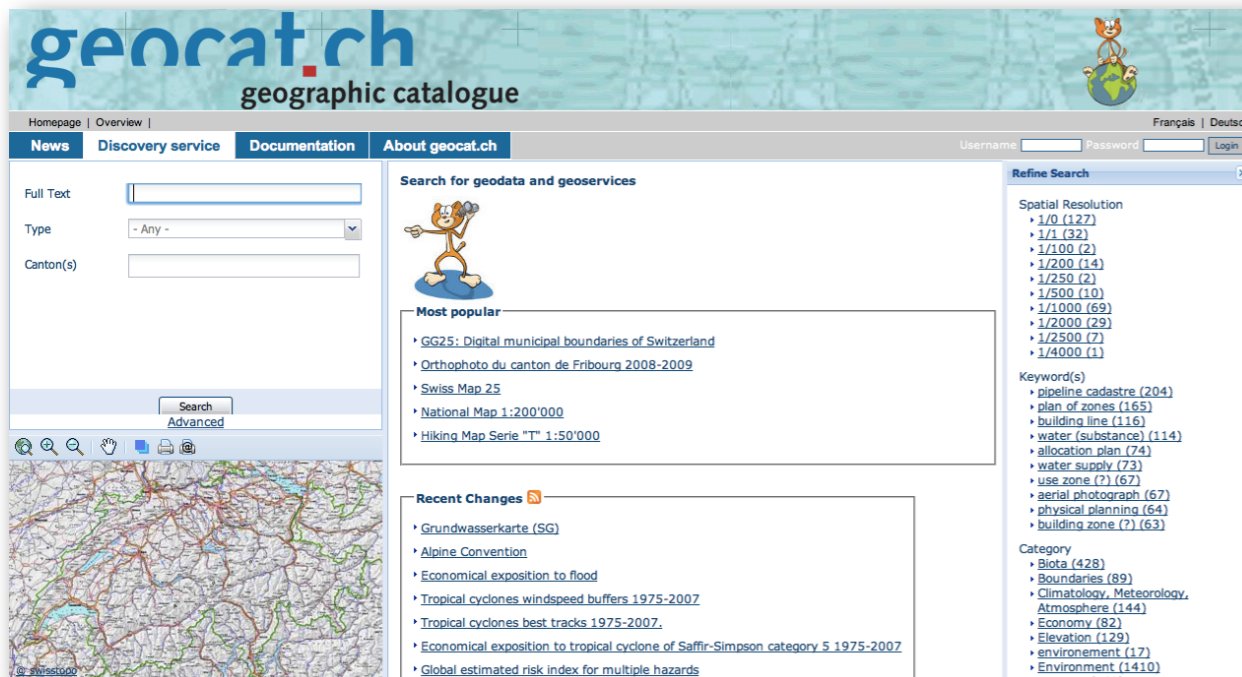
GeoNetwork opensource



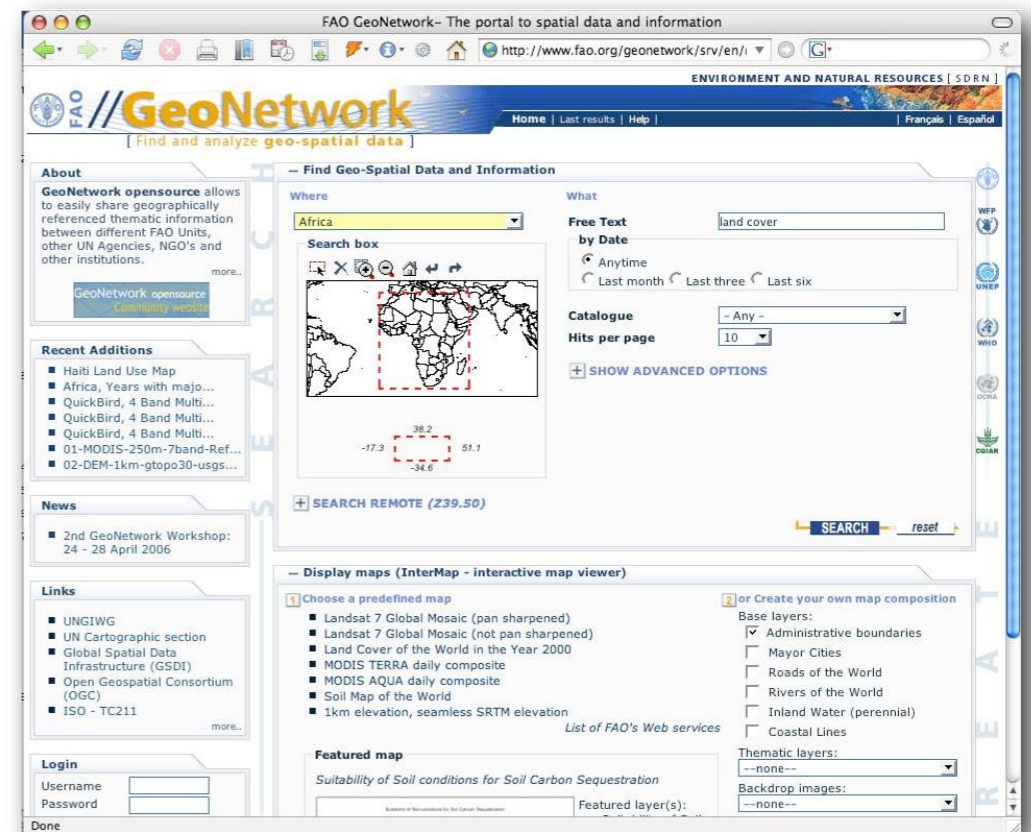
Dutch National Geo Registry



Swiss Topo geocat.ch



FAO GeoNetwork



How is it developed?

A Community Driven Project



Search Documentation...

News | Documentation | Download | Community | Gallery | Development

Home

[next](#) | [index](#)

GeoNetwork opensource

GeoNetwork is a catalog application to manage spatially referenced resources. It provides powerful metadata editing and search functions as well as an embedded interactive web map viewer. It is currently used in numerous Spatial Data Infrastructure initiatives across the world.

GeoNetwork has been developed to connect spatial information communities and their data using a modern architecture, which is at the same time powerful and low cost, based on the principles of Free and Open Source Software (FOSS) and International and Open Standards for services and protocols (a.o. from ISO/TC211 and OGC).



The software provides an easy to use web interface to search geospatial data across multiple catalogs, combine distributed map services in the embedded map viewer, publish geospatial data using the online metadata editing tools and optionally the embedded GeoServer map server. Administrators have the option to manage user and group accounts, configure the server through web based and desktop utilities and schedule metadata harvesting from other catalogs.

Main features

- Immediate search access to local and distributed geospatial catalogues
- Up- and downloading of data, graphics, documents, pdf files and any other content type
- An interactive Web Map Viewer to combine Web Map Services from distributed servers around the

Table Of Contents
GeoNetwork opensource
» Main features
» Standards Implemented
» Platform Independent
» Community and OSGeo
» Professional Support

Continue Reading
» Next: News

This Page
» Show Source

Download
Current release: 2.6.4

Latest posts
» Re: Connection problems
» Re: Connection problems
» Connection problems
» Re: Polish localization of Geonetwork
» Re: Polish localization of Geonetwork
» Re: Thredds harvester
» Re: [GeoNetwork-devel] Batch Import
Join the discussion





800+ on English user list

200+ on French and 200+ on Spanish lists

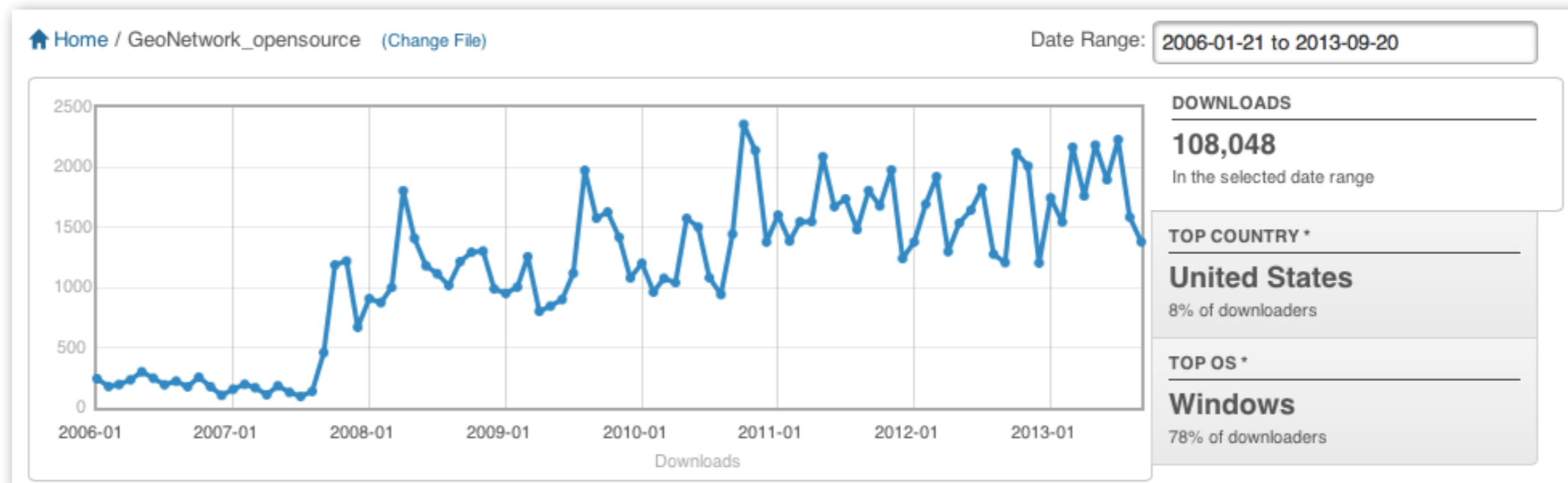
400+ on developer list

50+ on committer list

10+ active developers

Mailing lists

Downloads



How do we collaborate?

- Community driven governance
(proposal - discussion - voting - integration)
- Skype, Conference calls and Face-to-face meetings
- Work is split up in small packages
- Continuous contact between user and developer
- Commercial Support Contracts, Consulting, Development

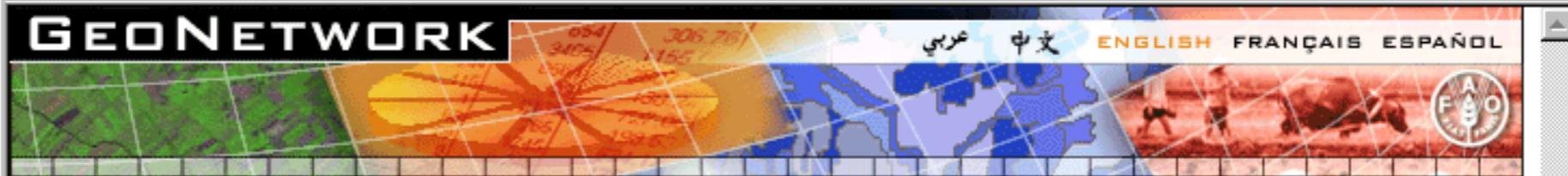
What are the benefits

- Support common requirements
- Make testing and compliance easier
- Share cost
- Prevent vendor lock-in
- Fast innovation - we all participate



<http://www.osgeo.org>

Sustainability through wide community support



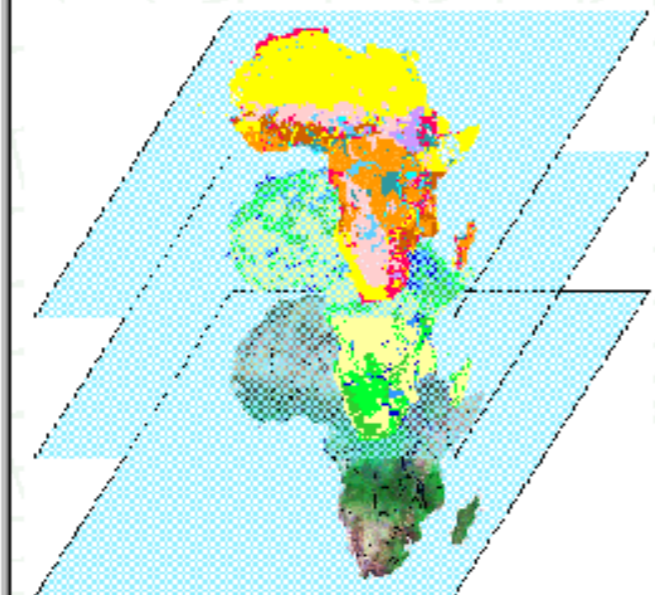
Search Text [Extended search]
Location World

SEARCH RESET

What is GeoNetwork?

GeoNetwork is an integral part of the spatial information infrastructure being developed by FAO which aims to improve access to and integrated use of spatial information to aid decision making for sustainable development among FAO member countries and stakeholders using the internet as an interoperable information exchange mechanism between UN Agencies, intergovernmental organizations and NGO's.

Username
Password
LOGIN



GeoNetwork functionality

GeoNetwork allows individuals and organizations to work interactively and visually with FAO's vast wealth of map and related information, making the earth's geography a starting point for finding, retrieving and using information. This includes population density, infrastructure, administrative boundaries, land cover/use, soils, crop zones, water, fisheries and forest resources, livestock distribution, nutrition profiles and early warning information.

For more information please contact: GeoNetwork@fao.org

FAO GeoNetwork - The portal to spatial data and information

http://www.fao.org/geonetwork/srv/en/main.home

Home Smart Bookmarks Latest Headlines BBC NEWS UNDP-APDIP Interna... GeoNetwork openso... Apple GIS-RS Mail Ticheler

ENVIRONMENT AND NATURAL RESOURCES | SDRN

FAO GeoNetwork

Home | Last results | Help | Français | Español

[Find and analyze geo-spatial data]

About

GeoNetwork opensource allows to easily share geographically referenced thematic information between different FAO Units, other UN Agencies, NGO's and other institutions.

[GeoNetwork opensource Community website](#)

Recent Additions

- Global map of irrigated areas
- Seychelles Archipelago Groupings
- Morne Seychellois National Park
- Apparent density of tse...
- Aggregated landcover da...
- Aggregated landcover da...
- Map B - Hunger and Heal...

Links

- UNGIWG
- UN Cartographic section
- Global Spatial Data Infrastructure (GSDI)
- Open Geospatial Consortium (OGC)
- ISO - TC211

Login

Username:

Password:

Login

Visitors map

Visitor locations

ClustrMaps - Click to see

Search for Data and Information

Free Text:

by Date:

Anytime Last month Last three Last six

Catalogue:

Map type: Digital Hard copy

Hits per page:

[SHOW ADVANCED OPTIONS](#)

[SEARCH](#) [reset](#)

Display maps (InterMap - interactive map viewer)

1 Choose a predefined map

- Landsat 7 Global Mosaic (pan sharpened)
- Landsat 7 Global Mosaic (not pan sharpened)
- Land Cover of the World in the Year 2000
- MODIS TERRA daily composite
- MODIS AQUA daily composite
- Soil Map of the World
- 1km elevation, seamless SRTM elevation

[List of FAO's Web services](#)

2 or Create your own map composition

Base layers:

- Administrative boundaries
- Major Cities
- Roads of the World
- Rivers of the World
- Inland Water (perennial)
- Coastal Lines

Thematic layers:

Backdrop images:

[CREATE](#)

Featured map

Aggregated Multipurpose Landcover database for Sudan (Africover)

Featured layer(s):

- Aggregated Multipurpose Landcover database for Sudan (Africover)
- Overlay base layers

[CREATE](#)

Done



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

What?

Where?

Search

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

1:22,867,724

Layers

- Country boundaries
- The World's Forests 2000
- Current global view of the earth
- WMS Global Mosaic, pan sharpened

Opaque

CATEGORIES

- Applications
- Audio/Video
- Case studies, best practices
- Conference proceedings
- Datasets
- Directories
- Interactive resources
- Maps & graphics
- Other information resources
- Photo

RECENT CHANGES

- Hydrological Basins in Africa
- Physiographic Map of North and Central Eurasia
- Kosovo - Index Map Serbian
- Kosovo - Municipalities
- Kosovo - Roads bridges and tunnels
- REPUBLIC OF KOREA-Country map
- Nepal Municipality Boundary
- Nepal District Boundary
- Nepal Major Rivers

AGGREGATE RESULTS MATCHING SEARCH CRITERIA : 1-10/97 (PAGE 1/10), SORT BY **RELEVANCE**

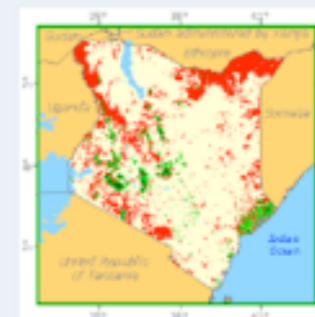


FOREST MAP OF KENYA

Abstract Expanding on the recently completed U.S. Geological Survey (USGS) global land cover characteristics database, USGS EROS Data Center is producing a global forest cover map for the United Nations Food ...

Keywords FORESTRY, FOREST RESOURCES, FOREST LAND, Kenya

[Metadata](#)



HAITI, FOREST COVER

Abstract The map has been derived from the Global Forest Cover produced in 200 by FAO-Forest Resources Assesment Programme. Four main forest classes have been identified: Closed, Open, Other Wooded Land and O...





English

SIGN IN

Home

Catalog

Map

About

[BROWSE](#) >> **SEARCH RESULTS**

landschap



Online data Data for download No direct download

[show advanced options](#)

FILTER

Sort by **relevance**



0 Selected Other actions

PREVIEW

Organizations

Provincie Zuid-Holland
Directie Leefomgeving en
Bestuur (6)

Provincie Gelderland (2)

Provincie Flevoland (1)

Provincie Limburg (1)

Provincie Groningen (1)

Keywords

society (8)

cultuurhistorie (7)

geschiedenis (6)

cultuur (6)

archeologie (6)

cultuurhistorische
waardenkaarten (6)

environment (4)

+ Show more

Types

Dataset (11)

Scale denominators

250000 (1)

100000 (2)

50000 (7)

Cultuurhistorische...



Last update: 2012-06-07

Cultuurhistorische...



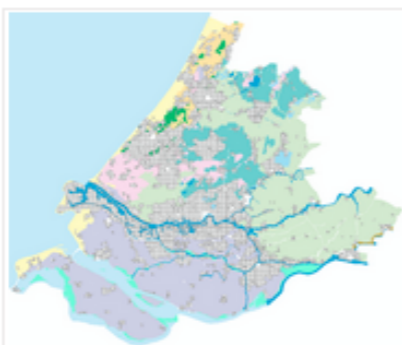
Last update: 2012-06-07

Nationaal
Landschap...

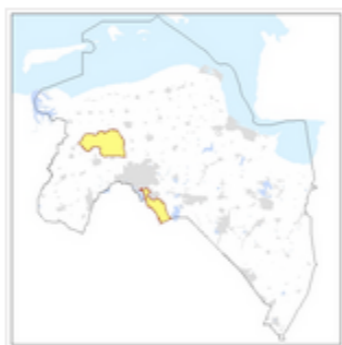


Last update: 2012-12-11

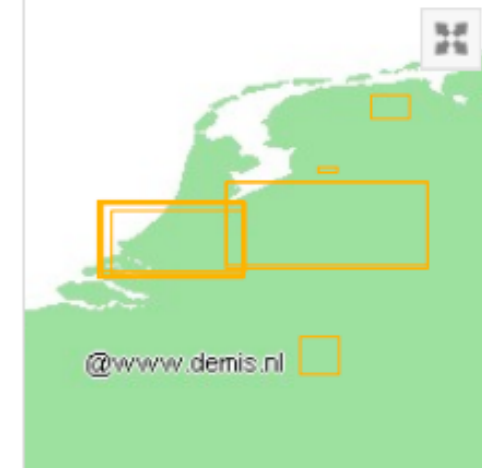
Cultuurhistorische...



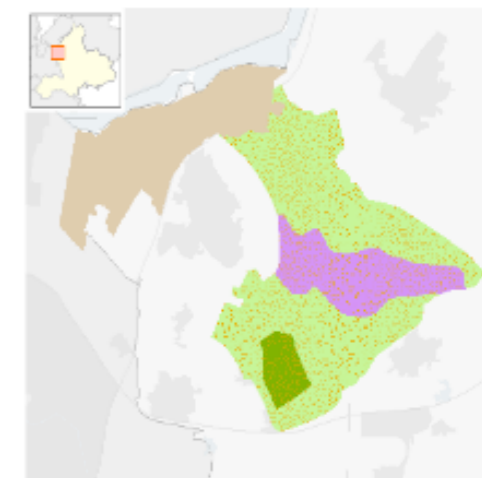
Nationaal
Landschap



Cultuurhistorische...



Cultuurhistorie- DNA-kaart, Landschap,
provincie Gelderland



National INSPIRE Catalogs in Europe

based on

GeoNetwork
Opensource



BROWSE >> SEARCH RESULTS

Online data
 Data for download
 No direct data access (contact point)
 show advanced options

FILTER

<< 1-50 result(s) / 4269 >>

Sort by Relevance

Organizations

Rijkswaterstaat Centrale Informatievoorziening (CIV) - Regionale Meet- en Informatiedienstverlening (4269)
 Rijkswaterstaat Centrale Informatievoorziening (CIV) (4262)

Keywords

aardrijkskunde (4269)
 water (4269)
 hoogte (4269)
 elevation (4269)
 landschap (4269)
 transportation (4263)
 MCB350 (180)
 + Show more

Licenses

OtherConstraints (4268)
 CC0 (1)

Resource types

dataset (4262)
 series (6)
 service (1)

Service types

view (1)

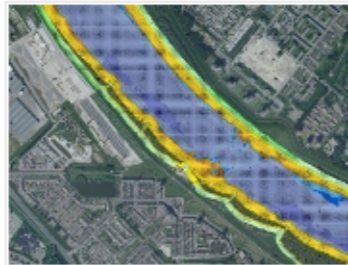
Scale denominators

10000 (1)
 5000 (3974)
 2000 (1)
 1000 (3)
 0 (289)

Years

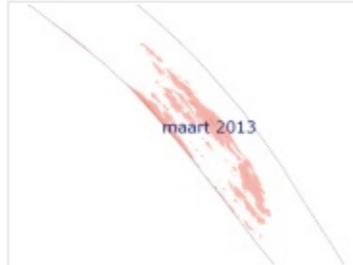
2013 (344)
 2012 (200)
 2011 (222)
 2010 (72)
 2009 (236)

Digitale terreinmodellen...



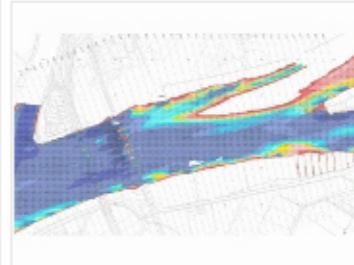
Rijkswaterstaat Centrale Informatievoorziening (CIV) - Regionale Meet- en Informatiedienstverlening

Zuid-Holland service...



Rijkswaterstaat Centrale Informatievoorziening (CIV) - Regionale Meet- en Informatiedienstverlening

Digitale terreinmodellen...



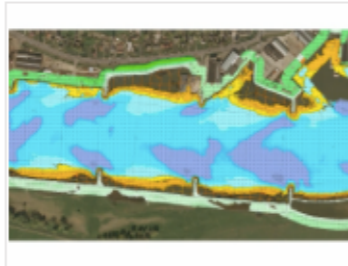
Rijkswaterstaat Centrale Informatievoorziening (CIV) - Regionale Meet- en Informatiedienstverlening

Digitale terreinmodellen...

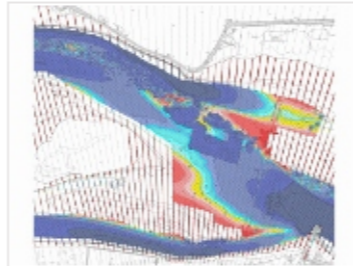


Rijkswaterstaat Centrale Informatievoorziening (CIV) - Regionale Meet- en Informatiedienstverlening

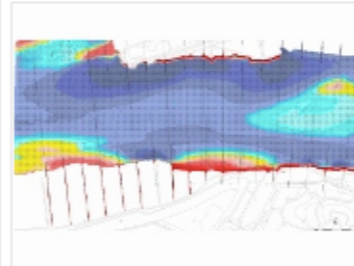
Digitale terreinmodellen...



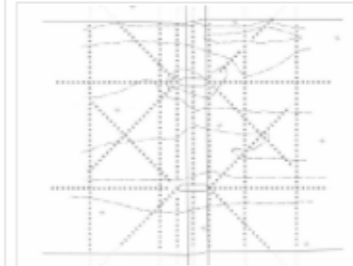
Digitale terreinmodellen...



Digitale terreinmodellen...



Afgedamde Maas Nederhemert...





Simpel søgning Avanceret søgning

Geodata-info.dk gør det muligt at søge og finde relevante geografiske data og tjenester med udgangspunkt i korte, beskrivende oplysninger - metadata.

Søg efter geografiske data

Søg

Genvej/Browse

Emnekategori

- Landbrug
- Biota
- Grænser
- Klimatologi/Meteorologi/Atmosfære
- Økonomi
- Højde
- Miljø
- Geovidenskabelig information
- Sundhed
- Billeder grundkort/Jorddække
- Efterretninger/Militær

Dataansvarlig

- Banedanmark
- By- og Landskabsstyrelsen, Miljøministeriet
- DAGI-datasættet er et standardiseret referencedata
- Danmarks Miljøportal
- EMD International A/S
- Erhvervs- og Byggestyrelsen
- Fiskeridirektoratet
- Kommunerne
- Kort & Matrikelstyrelsen, Miljøministeriet
- Kulturarvsstyrelsen
- Miljøcenter Aalborg, Miljøministeriet



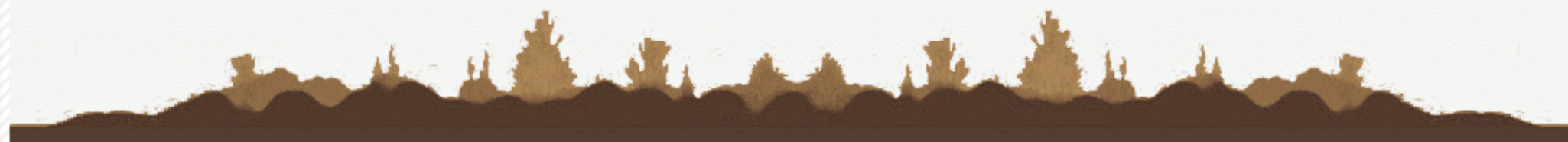
Nyheder

Geodata-info.dk er blevet opdateret med nye søgemuligheder i den avancerede søgning, popups med printervenlig præsentation af søgeresultaterne samt links til visning og download af metadata.



Sidst opdateret

- Danmarks Højdemodel, DHM/Terræn
- Danmarks Højdemodel, DHM/Overflade
- FrededeFortidsminder
- Beskyttede sten- og jorddiger.
- Geodata-info.dk



www.geocat.ch/geonetwork/srv/eng/geocat

geocat.ch

geographic catalogue

Homepage | Overview | Français | Deutsch

News | Discovery service | Documentation | About geocat.ch

Username: admin Password: [masked] Login

Type?
Type: - Any -


Where?
 Everywhere
 BBOX
 Administrative unit
 Draw on map
 Type: Completely within or equal

When?
From: [] To: []

Source?
Catalogue(s): IG-GIS x Central Catalog x

Search

Hide advanced options



Metadata []

SEARCH SERVICE FOR WWW.GEOCAT.CH (CSW 2.0.2)

Abstract: This M2M Service allows to search for metadata provided by www.geocat.ch. It is based on the OGC Standard CSW 2.0.2

Metadata []

GEO-PRODUKTE DES KANTONS BERN

Abstract: Der Kanton Bern verfügt derzeit über rund 100 Geo-Produkte aus verschiedensten Fachbereichen, die thematisch gegliedert sind. Die verfügbaren Geo-Produkte des Kantons Bern können der Produktübersicht entnommen und direkt beim Amt für Geoinformation bezogen werden.

Metadata []

ALARMSTUFEN

IG GIS *Abstract:* ; Zusätzliche Hinweise:

Metadata []

ALARMSTUFEN

IG GIS *Abstract:* ; Zusätzliche Hinweise:

Metadata []

ALPRECHT

IG GIS *Abstract:* ; Zusätzliche Hinweise:

Metadata []

» Refine Search

Spatial Representation

- Text, table (3)
- Grid (1)

Keyword(s)

- wood (4)
- protection forest (2)
- forestry practice (2)
- data description (2)
- forest use (2)
- biodiversity (2)
- stock (biological) (1)
- historic traffic route (1)
- Geodata (1)
- General map (1)

Spatial Resolution

- 1/25000 (1)

Service Type

- OGC:CSW (1)

Type

- Dataset (2033)
- basicgeodata-federal (3)
- basicgeodata (3)
- Service (1)
- service-OGC:CSW (1)

Category

- Biota (4)
- Boundaries (48)
- Climatology, meteorology, atmosphere (1)
- Economy (3)
- Environment (135)
- Farming (19)
- Imagery base maps earth cover (333)
- Inland waters (1)

Searching all content at National level

Canada

Environment Canada Data Catalogue *Describe, Publish, Discover*

[Home](#) [Search](#) [Browse](#) [Map](#) [Request an account](#) [Log In](#) [Help](#)

Home

Home

EC Data Catalogue Search

[Advanced Search](#)

The Environment Canada (EC) Data Catalogue is a one stop solution for (1) describing, (2) publishing and (3) discovering EC datasets.

1. **Describe:** Data stewards create metadata within the catalogue to describe EC Datasets.
2. **Publish:** Data stewards publish EC datasets to the Data Catalogue tool (intranet) and external data portals (internet), such as Government of Canada Open Data Portal and GeoConnections Data Portal (Canadian Geospatial Data Infrastructure).
3. **Discover:** Stakeholders search the published datasets to discover and access EC data.

EC Data Catalogue Benefits:

- EC's data assets are identified.
- EC's data assets are preserved over time
- EC's datasets can be found and accessed in a timely manner.
- EC's datasets can be easily published internally and externally, without having to maintain many copies of metadata on several portals.
- Canadians, scientists and other stakeholders can easily find and leverage EC datasets to their full potential – increasing the value and transparency of EC data!

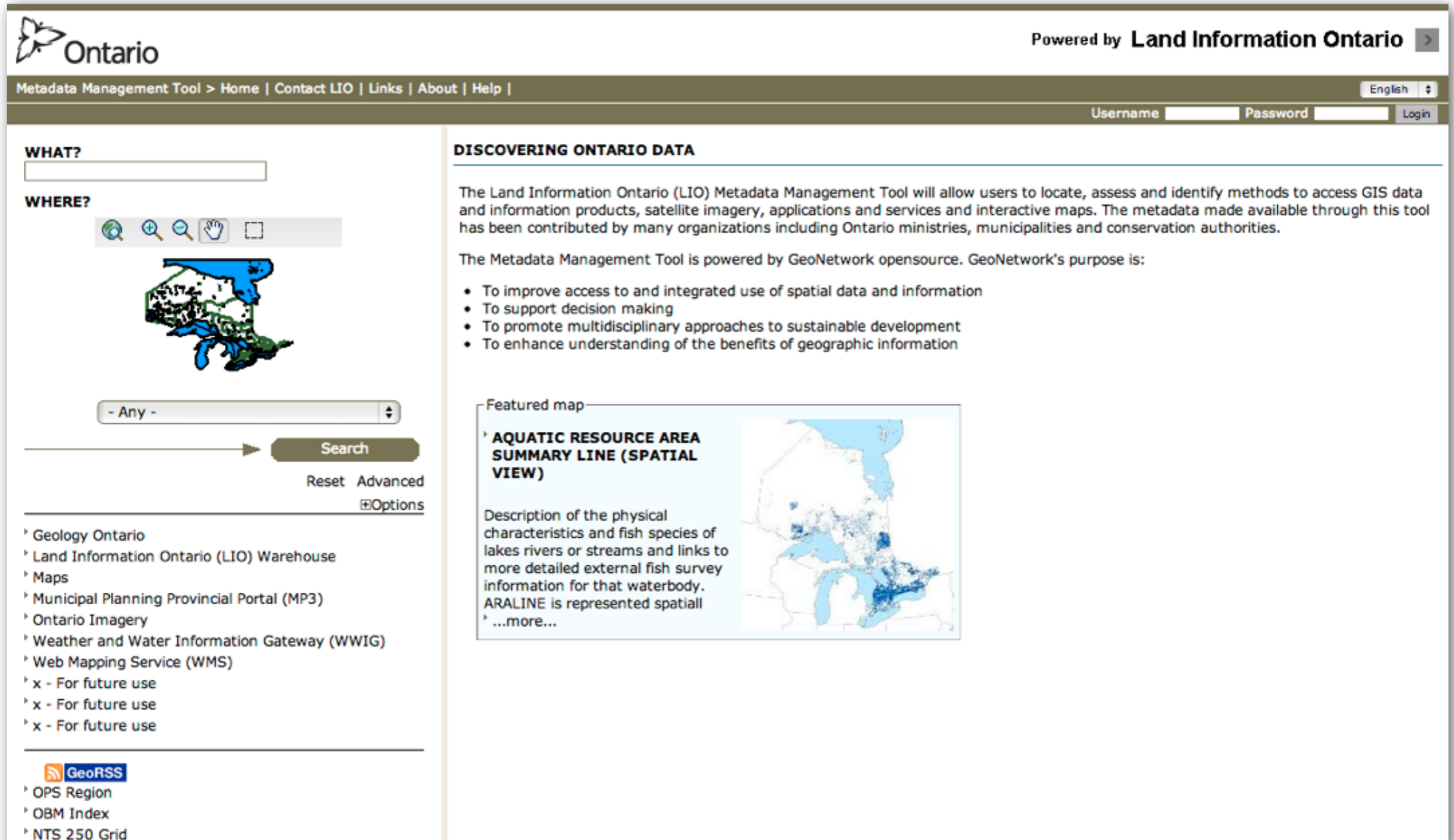
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INTRANET



The screenshot shows the Metadata Management Tool interface. At the top left is the Ontario logo and the text "Ontario". At the top right, it says "Powered by Land Information Ontario". Below this is a navigation bar with links: "Metadata Management Tool > Home | Contact LIO | Links | About | Help |". On the right side of the navigation bar, there is a language selector set to "English" and a login section with fields for "Username" and "Password" and a "Login" button.

The main content area is divided into two columns. The left column has a search section with a "WHAT?" label and an empty text input field. Below that is a "WHERE?" section with a map of Ontario and several navigation icons (home, search, zoom in, zoom out, pan, full screen). A dropdown menu below the map is set to "- Any -". A "Search" button is located below the dropdown, with "Reset" and "Advanced Options" links nearby.

The right column has a section titled "DISCOVERING ONTARIO DATA". It contains a paragraph: "The Land Information Ontario (LIO) Metadata Management Tool will allow users to locate, assess and identify methods to access GIS data and information products, satellite imagery, applications and services and interactive maps. The metadata made available through this tool has been contributed by many organizations including Ontario ministries, municipalities and conservation authorities." Below this is another paragraph: "The Metadata Management Tool is powered by GeoNetwork opensource. GeoNetwork's purpose is:" followed by a bulleted list:

- To improve access to and integrated use of spatial data and information
- To support decision making
- To promote multidisciplinary approaches to sustainable development
- To enhance understanding of the benefits of geographic information

Below the list is a "Featured map" section. It has a title "AQUATIC RESOURCE AREA SUMMARY LINE (SPATIAL VIEW)" and a description: "Description of the physical characteristics and fish species of lakes rivers or streams and links to more detailed external fish survey information for that waterbody. ARALINE is represented spatially ...more...". To the right of the text is a map of Ontario showing blue areas representing aquatic resource areas.

At the bottom left of the page, there is a "GeoRSS" logo and a list of links: "OPS Region", "OBM Index", and "NTS 250 Grid".

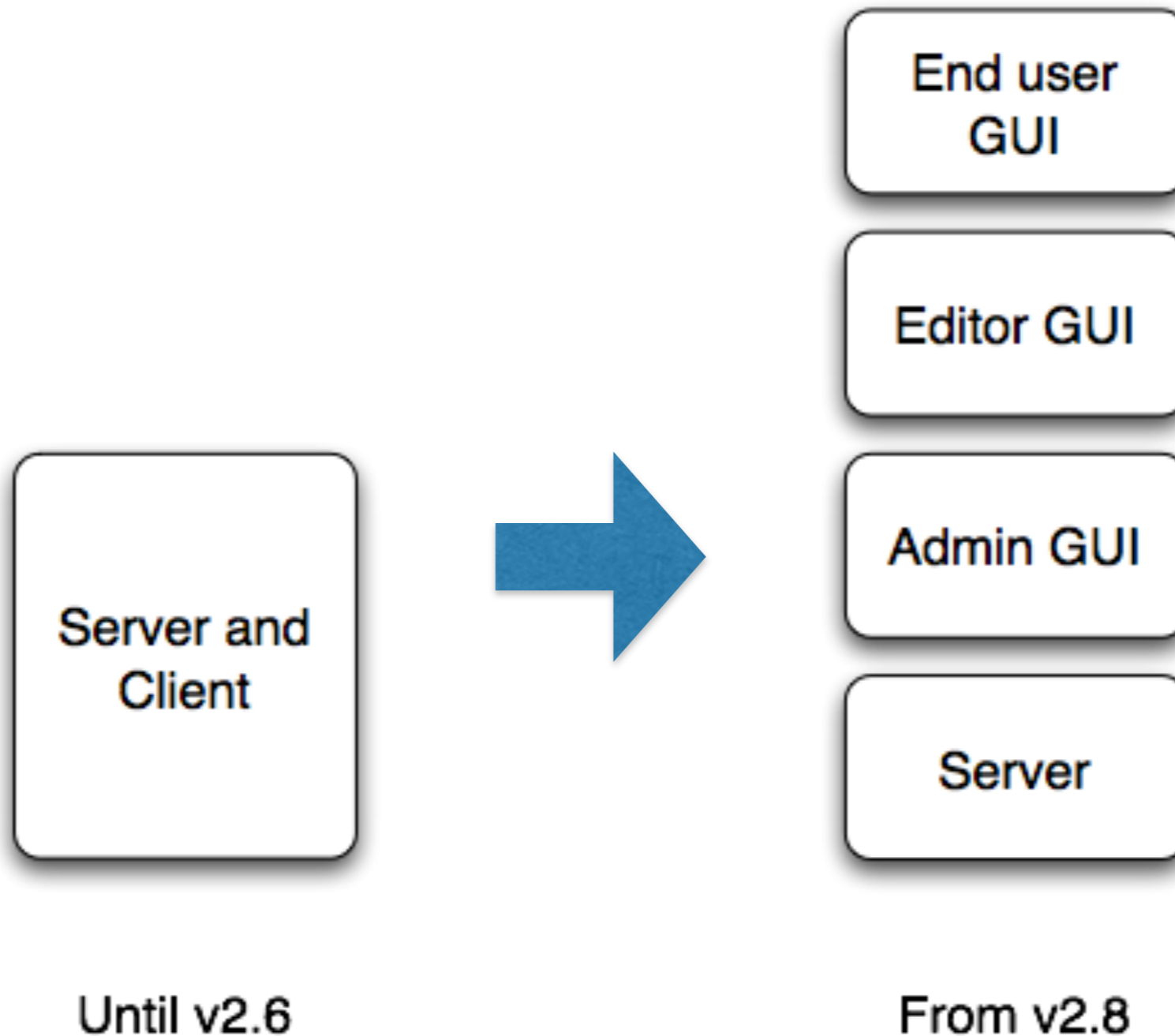
What are we working on?

Development of version 3.0

- New administration User Interface
- New metadata editor User Interface
- New Search User Interface

Most of this is build upon
existing functionality in v2.10!

Changing Architecture



New Administration UI

Based on Angular.js, D3 and Bootstrap

Administration console

The screenshot shows the 'Admin console' interface for 'My GeoNetwork catalogue'. The user is logged in as 'admin admin (Administrator)'. The dashboard features a grid of functional modules and two summary cards on the right.

Navigation and User Information:

- Page Title: My GeoNetwork catalogue Admin console
- User: admin admin (Administrator)
- Language: English

Functional Modules:

- Metadata and templates
- Import/Export
- Harvesting
- Statistics and status
- Reports
- Classification systems
- Standards
- Users and groups
- Settings
- Tools

Summary Cards:

- 1 Dataset
- 1 records in the catalog

Footer: localhost:8080/geonetwork/srv/eng/admin.console#dashboard

Define schematron rules

The screenshot shows the 'Schematron' configuration page in the GeoNetwork Admin console. The page is titled 'My GeoNetwork catalogue Admin console' and shows the user 'admin admin (Administrator)'. The language is set to 'English'. The main navigation includes 'Metadata & templates', 'Sort metadata templates', 'Formatter', and 'Schematron'. The left sidebar shows a tree view of Schematrons under 'iso19139', with 'ISO Validation Rules' selected. The main content area is titled 'Schematron Applicability' and contains a list of criteria. The first criterion is '*Generated*' and the second is 'This criteria passes when the metadata has 'Keyword' with the value 'buildings''. A 'Group' dropdown is set to 'sample group (2)'. A blue callout box highlights the 'sample group (2)' text in the dropdown.

My GeoNetwork catalogue Admin console admin admin (Administrator) English

Metadata & templates Sort metadata templates Formatter Schematron

Schematrons

iso19139

- ISO Validation Rules 1
- Geonetwork Validation Rules 1
- INSPIRE Validation Rules 1
- Inspire strict rules extension 1

Schematron Applicability

Generated +

Required to be valid

- This criteria always passes x
- This criteria passes when the metadata has 'Keyword' with the value 'buildings' x

Group sample group (2) Save xCancel

Sample group (2)

Contact directory

My GeoNetwork catalogue Admin console admin admin (Administrator) English

Manage directory Organizations & contacts Online resources

Entries +

1 record

Name of the responsible organization: Name of the responsible person- surname, given name, title separated by a delimiter

Responsible party

Individual name Name of the responsible person- surname, given name, title separated by a deli

Organisation name Name of the responsible organization

Position name Function performed by the responsible party

Contact Information

Contact

Phone

Telephone

Voice Telephone number at which the organization or individual may be contacted

Facsimile Telephone number of a facsimile machine for the responsible organization or

Responsible party Contact

Virtual CSW configuration

My GeoNetwork catalogue Admin console admin admin (Administrator) English

Settings Logo CSW **Virtual CSW** CSW test Map servers

Virtual CSW

Filter

+ New virtual CSW

New virtual CSW **csw-datasets** (capabilities) Save

Service description

Name

csw-datasets

The virtual CSW name MUST start with csw-.

Description

CSW end-point for metadata with the category Datasets

A short description of this endpoint.

Filters

Full text	<input type="text"/>
Title	<input type="text"/>
Abstract	<input type="text"/>
Keyword	<input type="text"/>
denominator	<input type="text"/>
Catalog	<input type="text"/>
Category	Datasets
Published in that group	

Thesaurus management

My GeoNetwork catalogue Admin console admin admin (Administrator) English

Thesaurus Directory Category

Thesaurus

Filter

Region (place)

[+ Add thesaurus](#)

Region (place) [download](#) [Delete](#)

Title
Region

Identifier
regions.rdf

Namespace
http://geonetwork-opensource.org/regions#

Thesaurus type
Place

Enable

External thesaurus are in read only mode.

Thesaurus of type place contains bounding box of each concept. They could be use to automatically compute record extent from keywords.

Keywords

Filter keyword

Number of keywords returned

- [Afghanistan](#)
- [Africa](#)
- [Albania](#)

[i](#)
[i](#)
[i](#)

Thesaurus

Filter

Region (place)

+ Add thesaurus

Africa

Label
Africa

Definition

Identifier
http://geonetwork-opensource.org/regions#338

Coordinates

East
51.1

North
38.2

South
-34.6

West
-17.3

Relation

Broader

- country

Relation

Broader

- country

Cancel




Delete

they could be use to automatically

- Antarctica
- Antigua and Barbuda

System Status

My GeoNetwork catalogue Admin console

Signed in as admin admin (Administrator)   

Status

Information

Search statistics

Content statistics

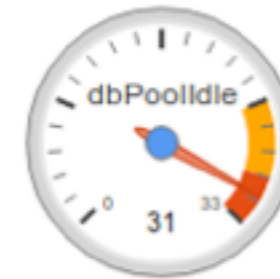
System status

Csw
GetCapabilities

Database
Connection

Lucene Index

Database status



Number of searches

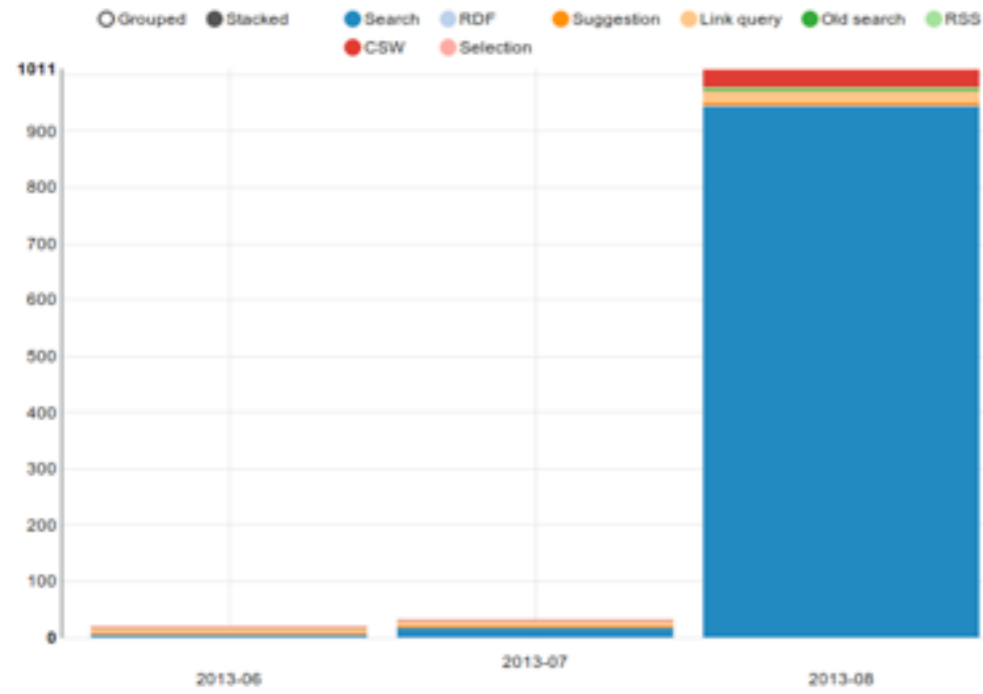
From

2013-06-19T11:17:00

To

2013-08-06T15:28:10

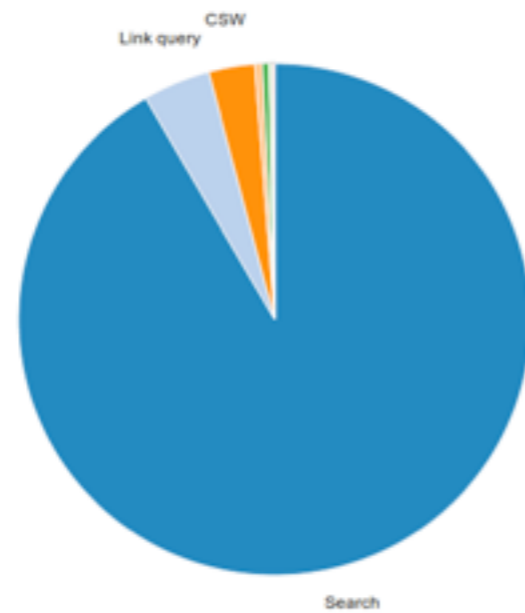
by hour day month year



Export as CSV

Type of services used for search

Search Link query CSW Suggestion RSS Old search RDF Selection

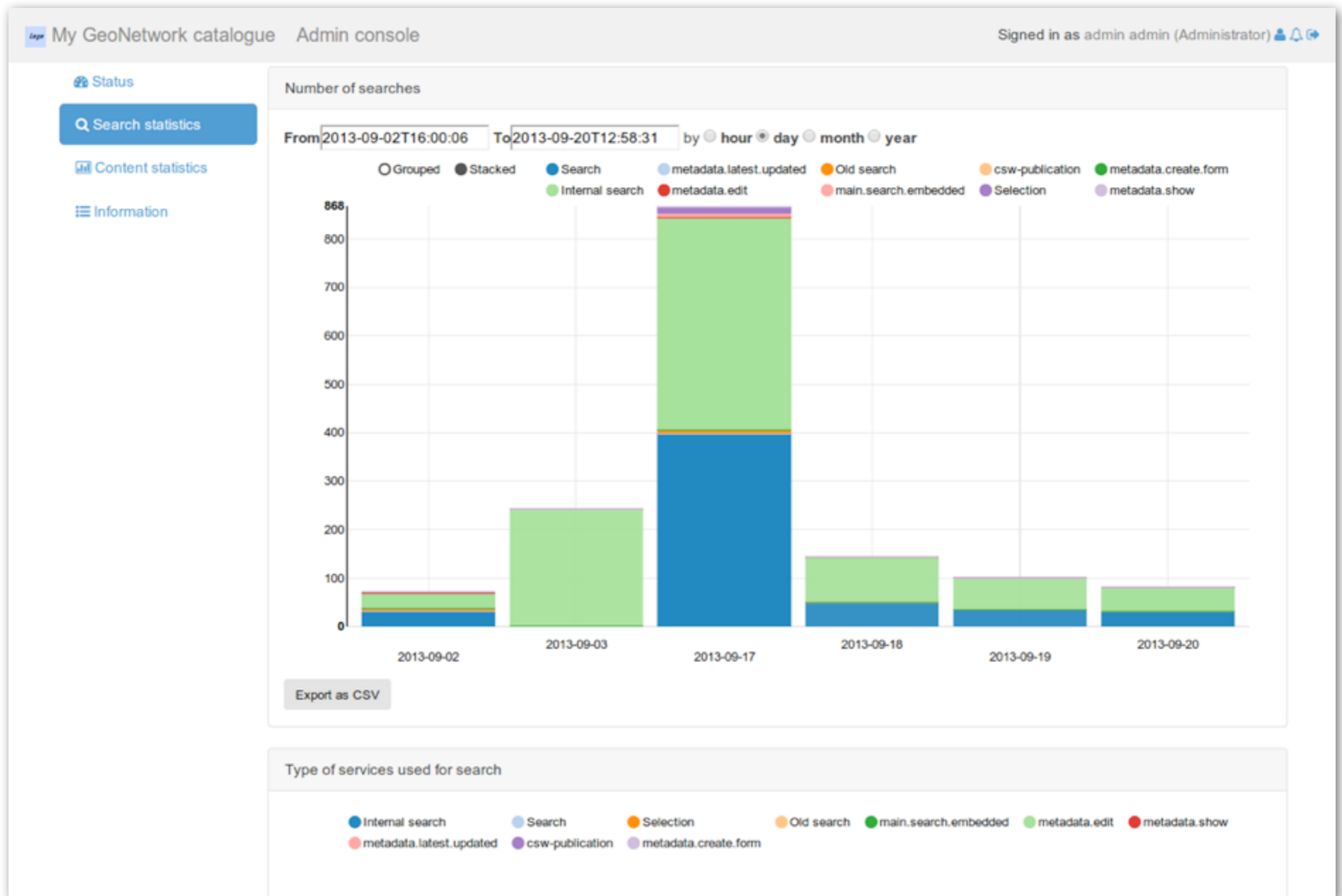


Export as CSV

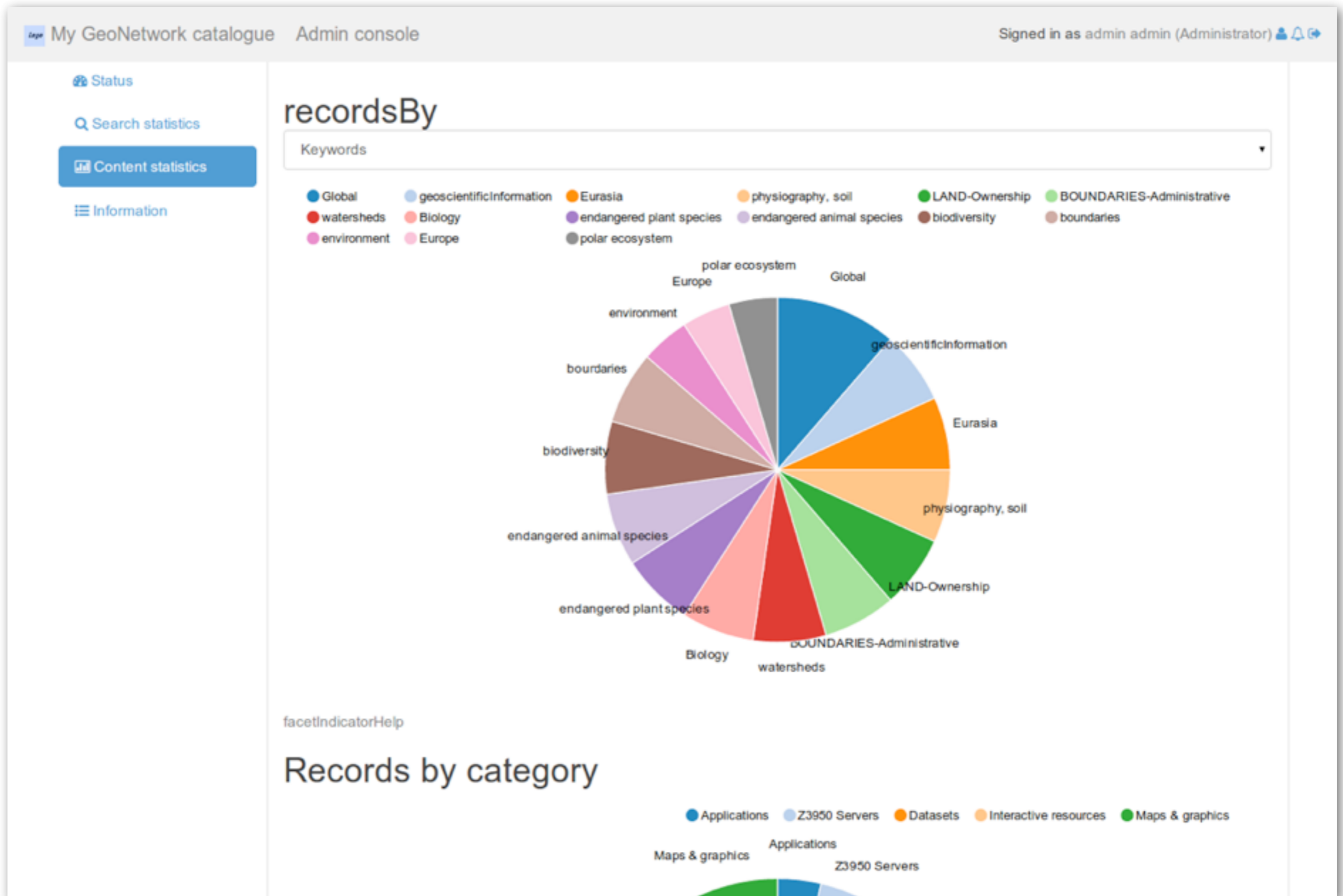
The sidebar menu includes the following sections:

- Most popular:** A list of records with their respective counts.
- Best rated:** A list of records with their respective ratings.
- Records by category:** A pie chart showing the distribution of records across different categories.
- By owner:** A pie chart showing the distribution of records by owner.
- By group:** A pie chart showing the distribution of records by group.
- Current workflow status:** A pie chart showing the distribution of records by their current workflow status.
- By validation status:** A pie chart showing the distribution of records by their validation status.
- Type of metadata records:** Two pie charts showing the distribution of records by metadata type and by standard.

Search statistics



Content statistics



Harvester configuration

The screenshot shows the 'Harvester' configuration page in the GeoNetwork Admin console. The page is titled 'Update harvester fao' and is signed in as 'admin admin (Administrator)'. The interface is divided into several sections:

- Harvester List:** A sidebar on the left shows a list of harvesters: 'Demo (GeoNetwork protocol)', 'fao (GeoNetwork protocol)', 'sandre zonage (OGC Web Services)', and 'test (OGC Web Services)'. A '+ New harvester' button is at the bottom.
- Update harvester fao:** The main content area has a title bar with 'Delete', 'Save', and 'Harvest' buttons.
- Identification:** Contains a 'Node name' field with the value 'fao' and a 'Group' field. A note states: 'The name describing the remote node. Only catalog administrator or user admin of this group will be able to manage this node.'
- Schedule:** Contains an 'every' field with the value '0 0 0 ? * *' and a checkbox for 'Only one run'. A note states: 'This harvester will run only once and not schedule in the future.'
- Configuration:** Contains a 'geonetworkhost' field with the value 'http://fao.org/geonetwork' and a 'geonetworkhostHelp' field.
- Advanced options:** Contains a checkbox for 'Remote authentication'.
- Privileges for harvested records:** Contains three buttons: 'Public', 'Not published', and 'Custom privileges'.

Metadata templates

GEOCAT My GeoNetwork catalogue Admin console

Metadata & templates Sort metadata templates Formatter Schematron

Load samples and templates for metadata standards

Standards available

0 selected ▾

Dublin Core - CSW Metadata records produced by CSW services.
Dublin Core
Federal Geographic Data Committee (FGDC)
Geographic information - Methodology for feature cataloguing (ISO 19110:2005)
Geographic information - Metadata (ISO 19115-DIS:2003) Draft International Standard of ISO19115. Used for backward compatibility with old metadata catalog (before 2007).
Geographic information - Metadata (ISO/TS 19139:2007)
iso19139.napm iso19139.napm-help

Load templates for selected standards **Load samples for selected standards**

Metadata Schema Plugin

METADATA SCHEMA OPERATIONS

Enter a name for the schema to be added

Source of schema zip archive:

Path to Schema Zip Archive

URL of Schema Zip Archive

UUID of local metadata record with
GeoNetwork Metadata Schema Archive
(URL) as online resource

Add

<http://metadata101.org>

- A location to collect, develop and maintain metadata profiles
- Easy collaboration
- Github repository
- Versioning
- Permissive licensing to allow incorporation in open source and proprietary software

New Editor UI

Based on Angular.js, D3 and Bootstrap

Select a metadata template

GEOCAT My GeoNetwork catalogue Admin console admin admin (Admin)

Create a

Create a **Dataset**

- Dataset
- Feature catalog
- Map
- Service
- Others

From **NAP:ISO 19115 Geographic Information Metadata(Min Vector Template v5)**

- Deegree22 WFS Fragments Philosopher Database Test Template
- Geoserver WFS Fragments Country Boundaries Test Template
- HARVESTING TEMPLATE - THREDDS - UNIDATA DISCOVERY
- NAP:ISO 19115 Geographic Information Metadata(Min Vector Template v5)**
- Template for Raster data in ISO19139
- Template for Vector data in ISO19139 (preferred!)
- Template for Vector data in ISO19139 (multilingual)

In ...

Sample group

+ Create

Metadata editor

Metadata Template

Save Validate Cancel Save & close

Identification info

Title Frangais
NAP:ISO 19115 Geographic Information Metadata(Vector)

Title English
NAP:ISO 19115 Geographic Information Metadata(Vector)

Date 12/05/2014 --:--

Date type Creation

Cited responsible party

Individual name Jeroen Ticheler English Français

Organisation name Geocat bv English Français

Position name English Français

Voice

Facsimile

Address

Associated resources

Validation

Suggestions

[Need help?](#)

- Identification info
- Cited responsible party
- Extent
- Metadata
- Metadata author



Metadata

Template



Save

Validate

Cancel

Save & close

Identification info

Title

Français

NAP:ISO 19115 Geographic Information Metadata(Vector)

English

NAP:ISO 19115 Geographic Information Metadata(Vector)

One

Date

12/05/2014

--:--



Date type

Creation

Cited responsible party

Individual name

Jeroen Ticheler

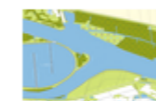
All English Français

Organisation name

Geocat bv

All English Français

Associated resources



Validation



Suggestions



Current record does not contain resource identifier.
Compute resource identifier from metadata record identifier.

Select or add keywords

Descriptive keywords	+Add new keywords	or select them in a thesaurus ▼
Language		Region

Select regions

Region ✕

Netherlands ✕ United Kingdom| ⚙️

⚙️

+Add new keyw

Language

All English French

- Tanzania, United Rep of
- United Arab Emirates
- United Kingdom**
- United States of America

Bounding boxes

Extent ✕

Geographic bounding box ✕

Country ▾

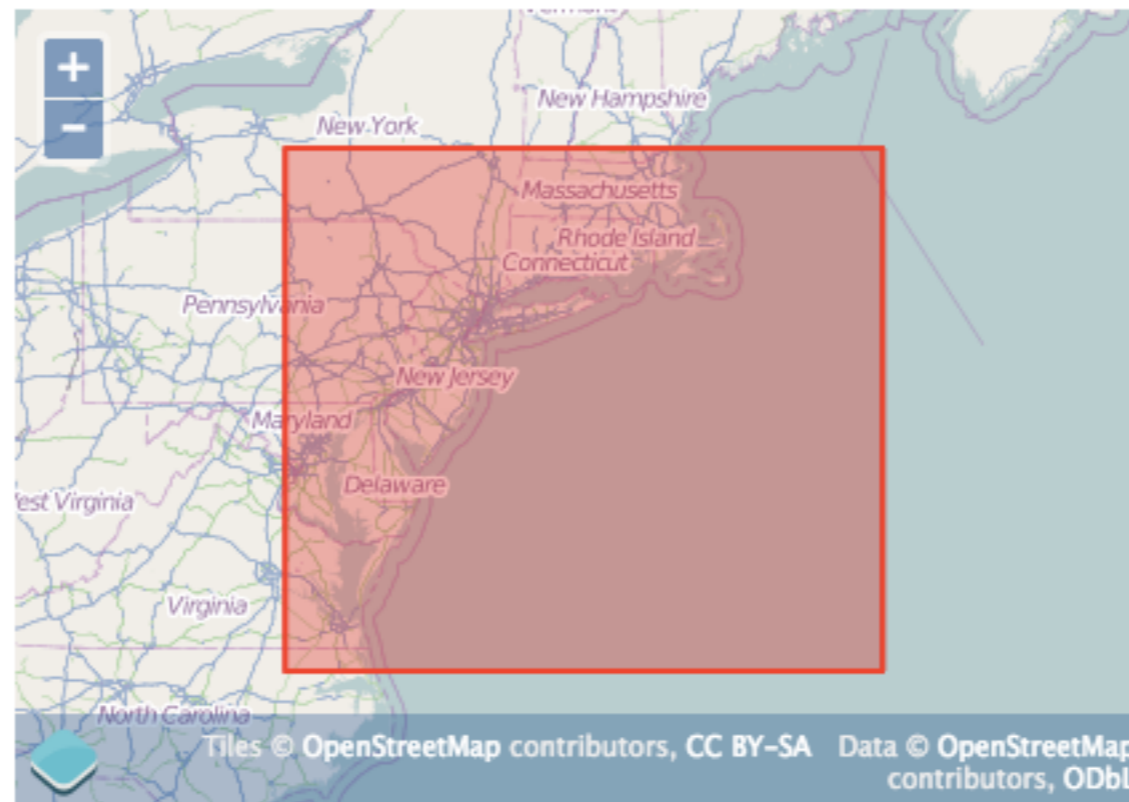
Choose a region

WGS84 (EPSG:4326) ▾

42,86032609021:

 Draw rectangle

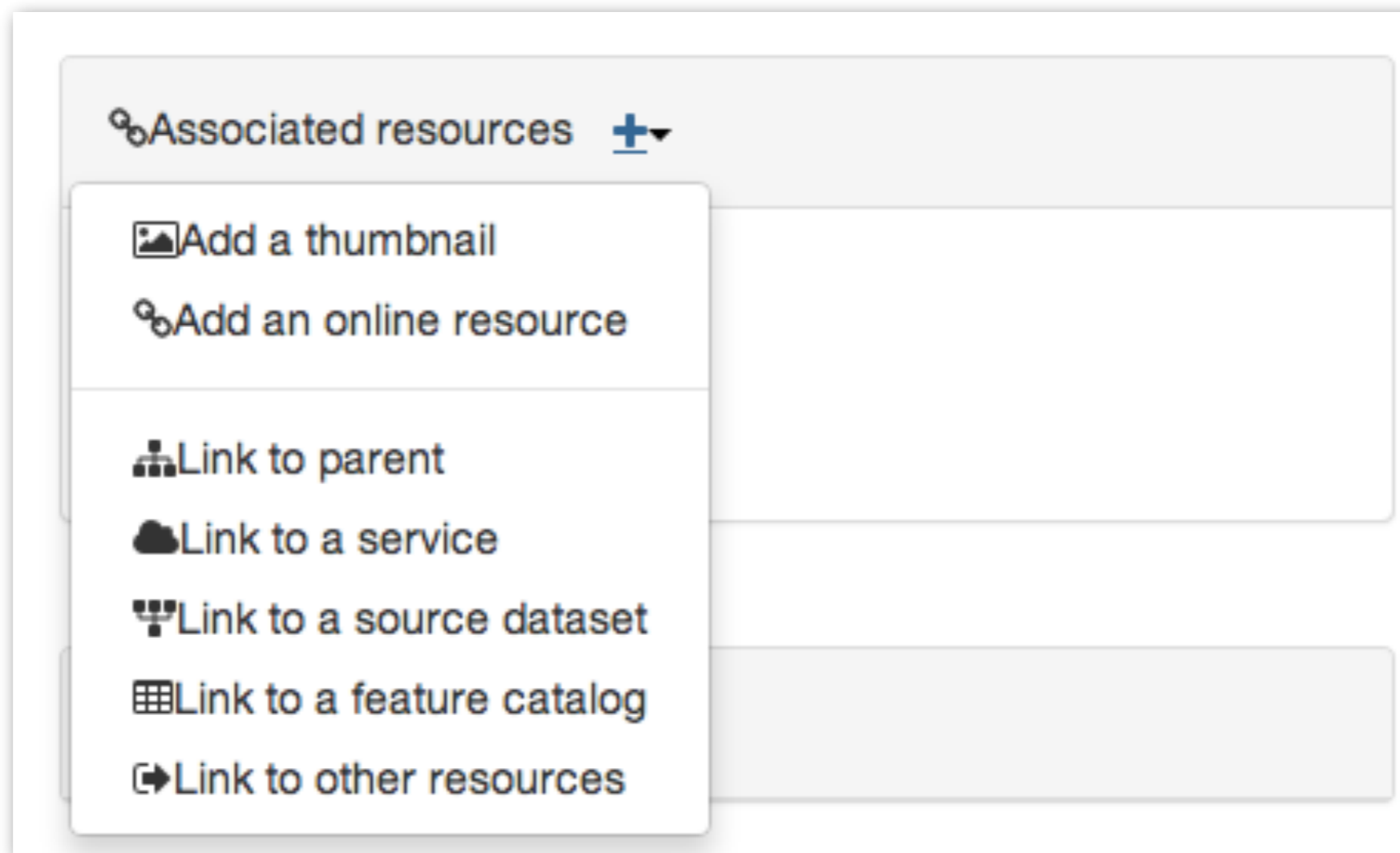
-77,21783828735



-67,37408828735

36,22706328254

Add associated resources



Add a thumbnail

The screenshot shows a dialog box titled "Add an overview to the current metadata" with a close button (X) in the top right corner. The dialog has three tabs: "URL", "Upload", and "Create thumbnail", with "Upload" currently selected. Below the tabs, the word "upload" is displayed. A large green button with a plus sign and the text "+Choose or drop resource here" is positioned above a list of items. The list contains one item: "metart_spot-veg_page.gif (image/gif / 120.20 KB)" with a trash icon to its right. Below the list, there is a checked checkbox labeled "Create small". At the bottom left of the dialog, there is a green button with a thumbnail icon and the text "Add a thumbnail". The background of the application shows a toolbar with "Save" and "Validate" buttons, and a "validation" button at the bottom right.


01913

net//g
ob7d
cess=

validation

Validation of metadata

Date	12/05/2014	--:--	🕒
Date type	Creation		
Cited responsible party	✘		
Individual name	Jeroen Ticheler	✘	
	All English Français		
Organisation name	Geocat bv	✘	
	All English Français		
Position name		✘	
	All English Français		
Voice		✘	
Facsimile		✘	
Address	✘		
Delivery point		✘	
	All English Français		
City		✘	

Validation  [Show only errors](#)

XSD Validation Error 0 Error



Schematron validation / GeoNetwork recommendations 2 / 2

[Language] - Metadata language is not defined and other language are declared and Main metadata language MUST NOT be defined in other language section.
Main metadata language is: "eng"

[Language] - Metadata language is not defined and other language are declared and Main metadata language MUST NOT be defined in other language section.
No duplicate languages found.

Schematron validation for ISO 19115(19139) 4 / 6

[ISOFTDS19139:2005-TableA1-Row24] - A name is required for contact

You must specify one or more of individualName, organisationName or positionName. Suggestions: Check contact information for metadata contact or cited responsible party in identification section for example  

Set privileges

Set privileges - NAP:ISO 19115 Geographic Information Metadata(Vector)

Filter group ...

Group ^	Publish	Download	Editing	Notify	Interactive ...	Featured	Check all/none
- All -	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- Guest -	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- Intranet -	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample group	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
s1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
s2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Save

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

work OpenSource

If you have ideas or needs,
please join and help

Our goal is for GeoNetwork to be
the best geographic metadata catalog in the world

Questions?

Jeroen Ticheler



<http://geocat.net>



<http://geonetwork-opensource.org>



<http://www.osgeo.org>