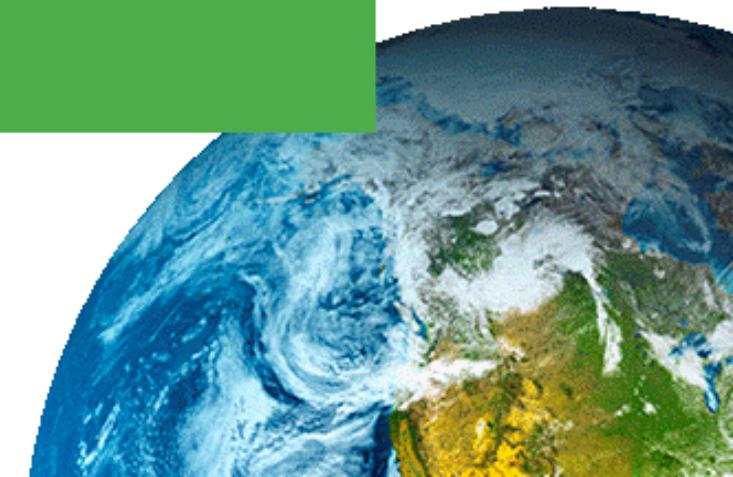


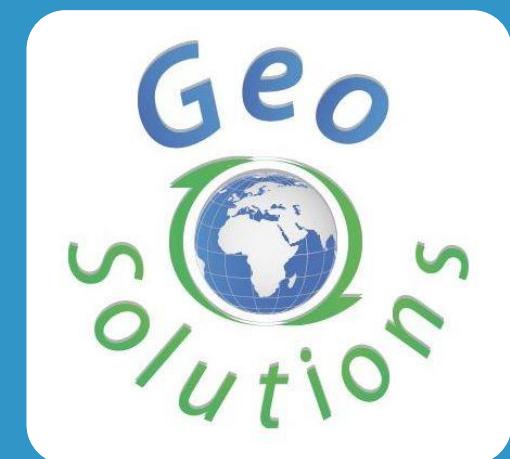


Ing. Mauro Bartolomeoli
Dott. Lorenzo Natali
GeoSolutions



GeoSolutions

- Founded in Italy in late 2006
- Expertise
 - Image Processing, GeoSpatial Data Fusion
 - Java, Java Enterprise, C++, Python
 - JPEG2000, JPIP, Advanced 2D visualization
- Supporting/Developing FOSS4G projects
 - GeoServer, MapStore
 - GeoNetwork, GeoNode, Ckan
- Clients
 - Public Agencies
 - Private Companies
- <http://www.geo-solutions.it>





Contents

- What is MapStore?
- What does MapStore Do?
- Who is using MapStore?
- Where is MapStore going?



What is MapStore?



What is MapStore2?



MapStore

<https://mapstore.geo-solutions.it/mapstore/>



What is MapStore?



It's a Framework

Autorizzazione Unica Ambientale (AUA) - Recupero rifiuti
Codice SIRA impianto=1122

DATI GENERALI	
Codice SIRA	1122
Provincia	NO
Comune	Trecate
Tipo di provvedimento	Autorizzazione Unica Ambientale (A.U.A.) Recupero di rifiuti non pericolosi
Num. Autorizzazione	55-005
Data autorizzazione	
Tipologie impiantistiche	ALTRA TIPOLOGIA
Note	

RIEPILOGO RECUPERO RIFIUTI

Numero sche...	Tipo recupero	Tipologia di rifi...	Desc...
1	recupero ambientale (art. 5 del d.m. 05/02/1998)	7.1	rif. costit. da laterizi, intonaci e conglomerati ce...
2	recupero ambientale (art. 5 del d.m. 05/02/1998)	7.2	rifiuti di rocce da cave autorizzate
3	recupero di materia (art. 3 del d.m. 05/02/1998)	7.6	conglomerato bituminoso, frammenti di piatte

You can build many different applications with its plugins (and by developing your own)

What is MapStore?



It's a Framework

So you need to be a developer to use it this way
...and need some basic knowledge

ES2015

ReactJS

Redux

RxJS

Less / CSS

...or ask «someone» to build the application for you

*If you are familiar with all of this technologies
you can also send us your resume!*





What is MapStore?



It is also a Product

The screenshot shows the MapStore application interface. At the top, there is a navigation bar with the Genova logo, 'Featured', and 'Contents'. A search bar with a magnifying glass icon is located above the main content area. The main area is divided into sections: 'Featured' (displaying four cards: 'Livello 3 del Piano Urbanistico Comunale', 'Interventi LLPP da luglio 2017', 'EMERGENZA MORANDI', and 'Protezione Civile per il cittadino'), 'Contents' (listing 'Maps (30)' and 'Dashboards (0)'), and 'Maps' (listing 'Anagrafe', 'Ante', 'Geologia', and 'Protezio'). On the right side, there is a large satellite map of Genoa with several red dashed lines and dots indicating specific locations. A legend box at the bottom right defines the symbols: 'ZONA ROSSA (ordinanza del 04/02/2019)', 'STRADE INTERDET.', 'STRADE CON RESTRIZIONI', and 'CIVICI SOGGETTI A SGOMBERO'. The bottom right corner includes the Genova logo, 'Elaborazione: Direzione Sistemi Informativi - Ufficio ICD', and a scale bar.

Use it as is or slightly modifying the look&feel



What is MapStore?



It is also a Product

So you DON'T need to be a developer to use it this way

...just edit some configuration

...and basic css

...using the documentation (*we are improving this*)

...and ask on the mailing list when in doubt



Functionalities





Basic GeoPortal Stuff



Featured Contents

search...

Featured

Historical Maps of Florence
OSM from Maps @ GeoSolutions
Global Sentinel 2 Cloudless
EUMETSAT Sample data

Results 4 of 7

Contents

Maps (94) Dashboards (5)

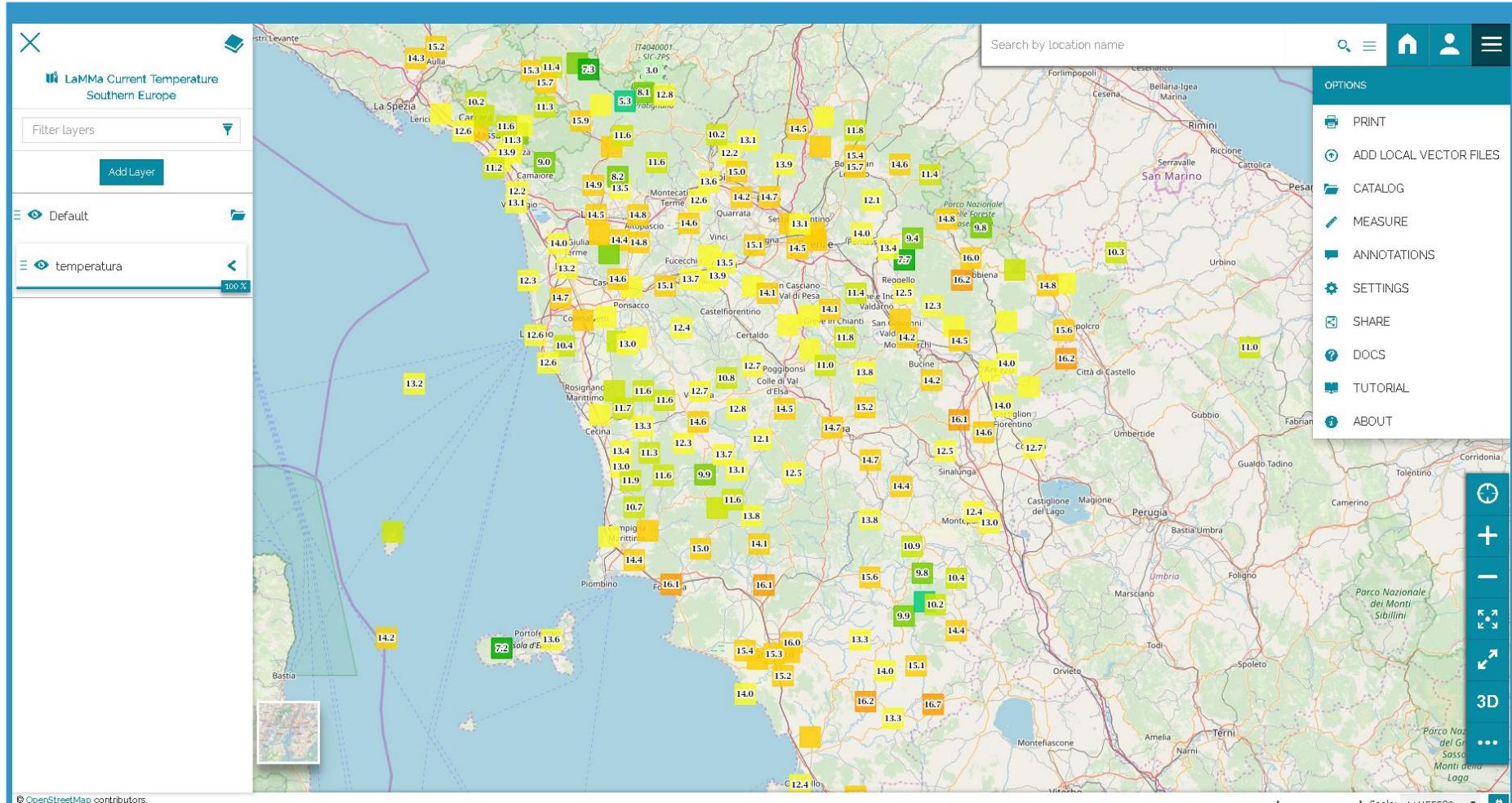
Maps

Global Sentinel 2 Cloudless
Vector with date and time fields
LaMMA Current Temperature Southern Europe
OWS14 Daraa Map
view fixed
Treviso
test_cc_style
test geoscopio

MapManager



Basic GeoPortal Stuff



MapViewer





Basic GeoPortal Stuff



Create Map

Load Layers

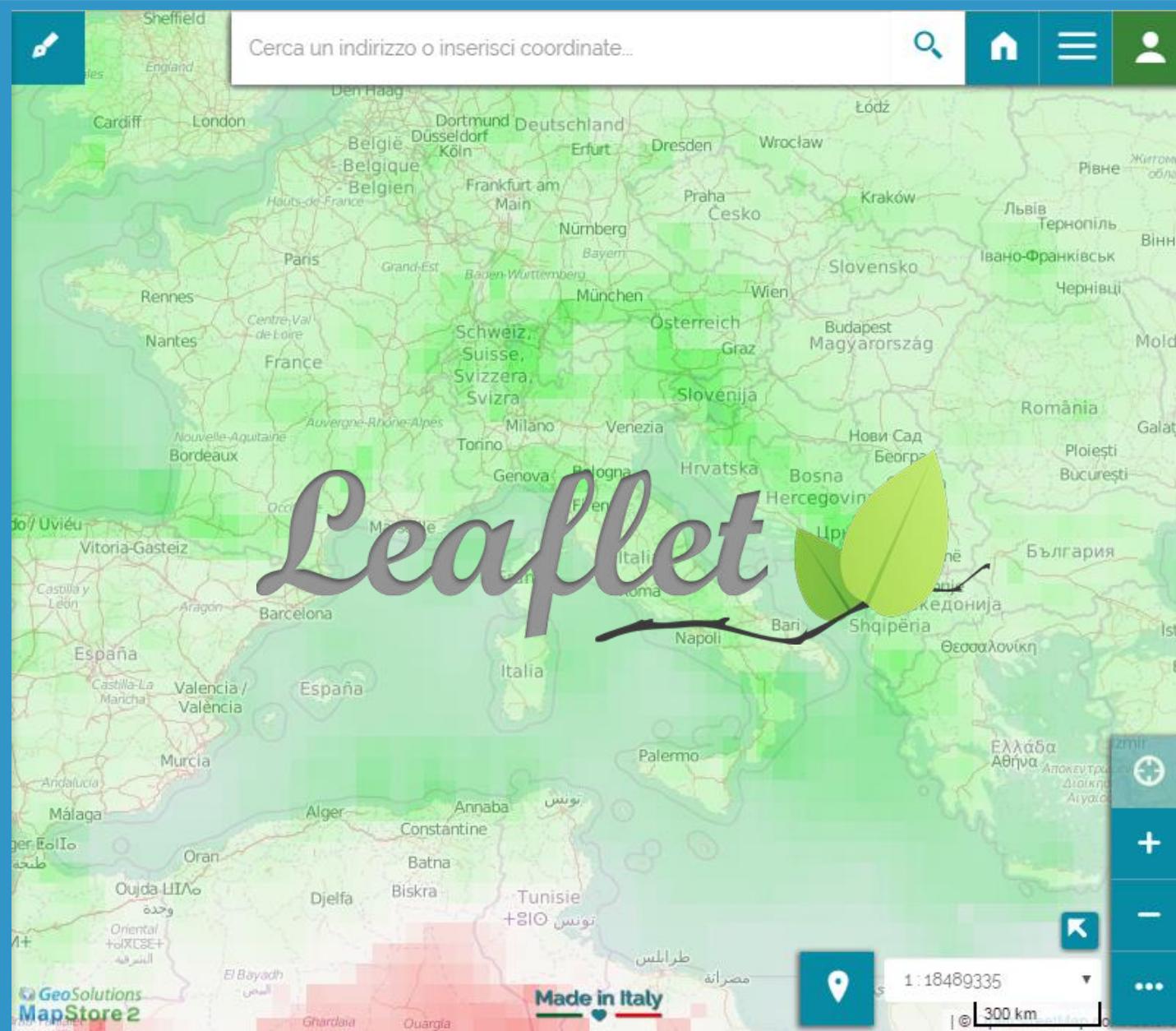
Save Map

Share it

Set Permissions



Multiple Mapping Engines





Multiple Mapping Engines



Cerca un indirizzo o inserisci coordinate...

OpenLayers

Made in Italy

1:18489335

300 km

Multiple Mapping Engines





Basic GeoPortal Stuff



search for users...

Manage Users

+New User

Manage Groups

User	Role	Groups
aime	USER	everyone othergroup geosolutions
alab	USER	everyone othergroup
albertkundi	USER	everyone
allyoucanimap	USER	everyone
alpa	USER	everyone testgroup
andrefi	USER	everyone
andreozzi	USER	everyone
anna	USER	everyone
appliconisit	USER	everyone
admin	ADMIN	everyone geosolutions
acolapic	USER	everyone

UserManager

GroupManager



Access and Edit Vector Data



US Population Statistics

Search by location name

Sync map with filter

Use this tool to synchronize the map with the selected filter
Don't show this message again

Quit edit mode

STATE_NAME STATE_FIPS SUB_REGION

STATE_NAME	STATE_FIPS	SUB_REGION
Illinois	17	E N Cen
Missouri	29	W N Cen
Arizona	04	Mtn
Oklahoma	40	W S Cen

49 Items

OpenStreetMap contributors

STATE_NAME STATE_FIPS SUB_REGION STATE_ABBR LAND_KM WATER_KM PERSONS FAMILIES HOUSEHOLD

STATE_NAME	STATE_FIPS	SUB_REGION	STATE_ABBR	LAND_KM	WATER_KM	PERSONS	FAMILIES	HOUSEHOLD
Illinois	17	E N Cen	IL	143996.61	1990.035	11430602	2924600	4202240

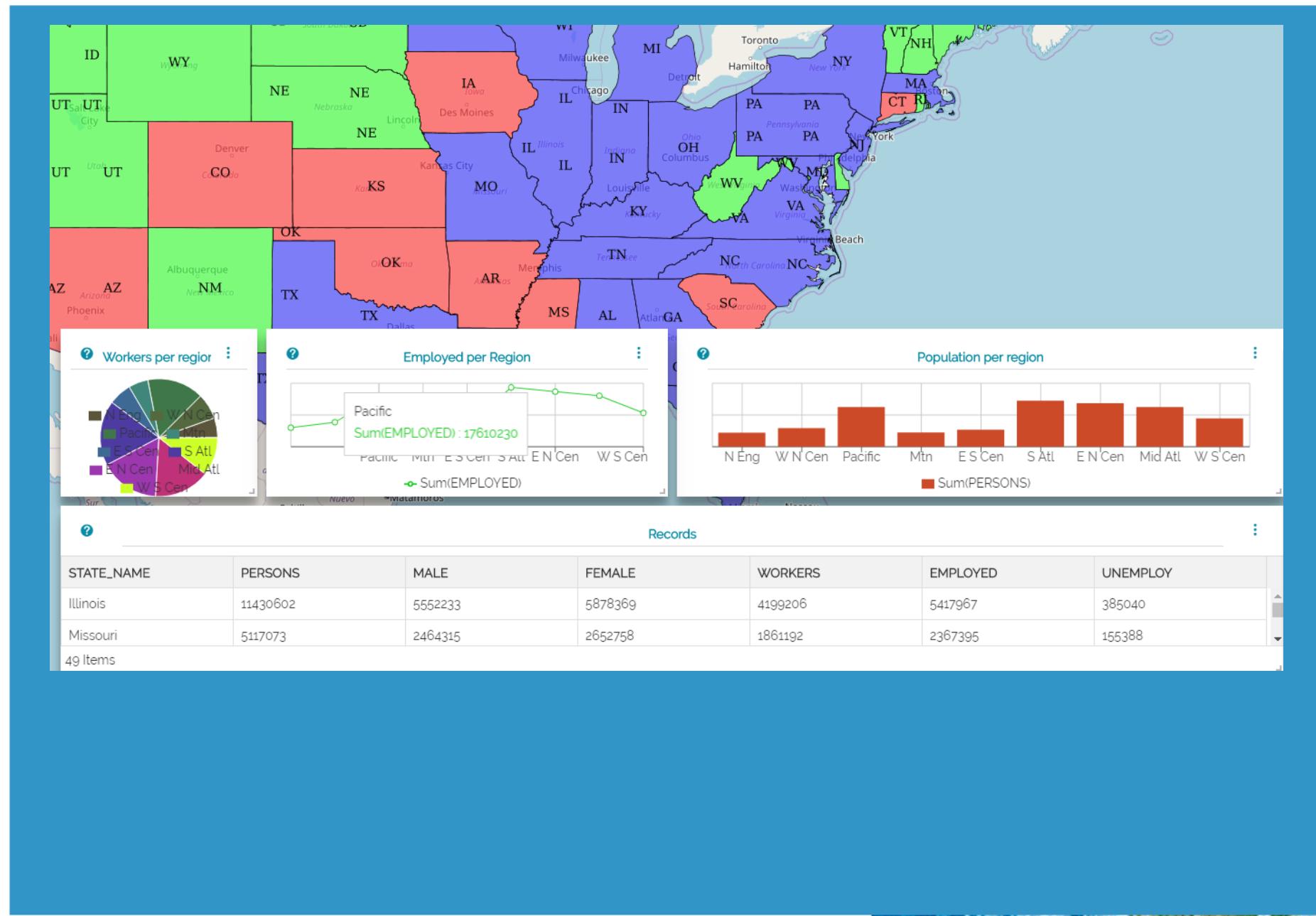
USA Population

STATE_NAME STATE_FIPS SUB_REGION STATE_ABBR LAND_KM WATER_KM PERSONS FAMILIES HOUSEHOLD

STATE_NAME	STATE_FIPS	SUB_REGION	STATE_ABBR	LAND_KM	WATER_KM	PERSONS	FAMILIES	HOUSEHOLD
Illinois	17	E N Cen	IL	143996.61	1990.035	11430602	2924600	4202240

20 km Scale: 1:1055583

Charts and Widgets





Dashboards



U.S. States dashboard

Sample dashboard to show all widgets and connection. It contains:

- Sample chart widget
- Sample counter widget
- Map and Legend widget
- Table widget
- Text widget (this one)

All the widget are connected to browse data only in the map viewport.

Population per region

Region	Population
N Eng	11430602
W N Cen	5117073
Pacific	3665228
Mtn	344685
E S Cen	6628829
S Atl	4829958
E N Cen	1712020
Mid Atl	1379559
W S Cen	4040587

Map of united states

Legend

USA Population

- < 2M
- 2M - 4M
- > 4M
- / Boundary

States

STATE_NAME	SUB_REGION	PERSONS	MALE	FEMALE
Illinois	E N Cen	11430602	5552233	5873309
Missouri	W N Cen	5117073	2464315	2652758
Arizona	Mtn	3665228	1810691	1854537
Oklahoma	W S Cen	344685	1630819	1614766
North Carolina	S Atl	6628829	3211286	3414343
Tennessee	E S Cen	4829958	236184	2503774
Texas	W S Cen	1712020	843340.00000001	868674
New Mexico	Mtn	1379559	677870	70169
Alabama	E S Cen	4040587	1936162	2104425

Unesco Poi

UNESCO is an Organization for Peace and works to give a human face to globalization. Its actions contribute to the achievement of the Sustainable Development Goals defined in Agenda 2030, adopted by the UN General Assembly in 2015.

Items visible in map

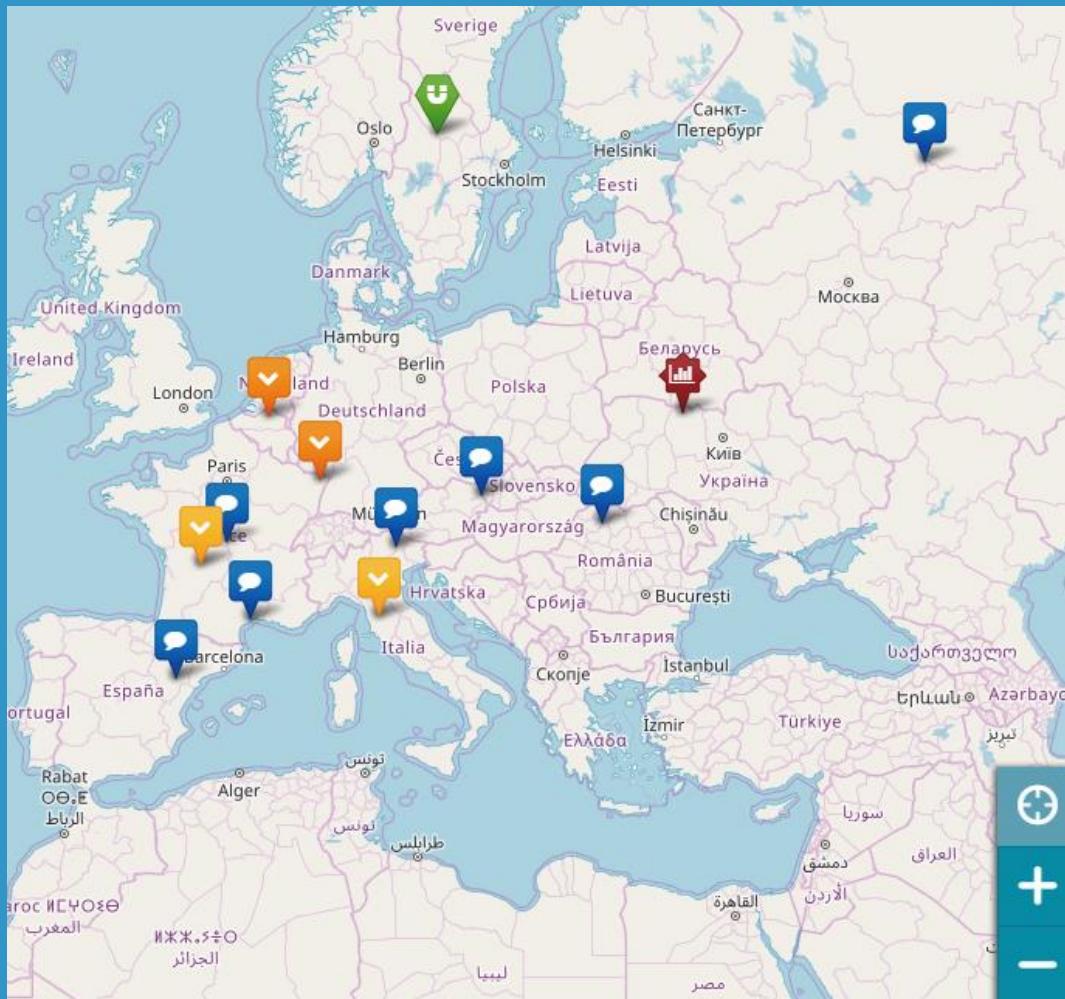
186

cod_unesco	sito	seriale	cod_compon	componente	tipo_area
IT_549 rev	Il Palazzo Reale del X th c.	0		Acquedotto	sito
IT_823	Residenze Sabaudie	1	823-005	Villa della Regina	sito
IT/VA_g1bis	Centro storico di Rom	1	091-009(b)	Palazzi detti dei Propri	sito
IT/VA_g1bis	Centro storico di Rom	1	091-009(a)	Palazzi detti dei Propri	sito
IT/VA_g1bis	Centro storico di Rom	1	091-010	Palazzo Pio	sito
IT/VA_g1bis	Centro storico di Rom	1	091-007	Palazzo delle Convert	sito
IT/VA_g1bis	Centro storico di Rom	1	091-006	Palazzo di Propagand	sito
IT/VA_g1bis	Centro storico di Rom	1	091-004(a)	Palazzo di San Callisti	sito
IT/VA_g1bis	Centro storico di Rom	1	091-004(b)	Edifici su via Sant'Egic	sito
IT/VA_g1bis	Centro storico di Rom	1	091-013	Basilica di San Paolo f	sito
IT/VA_g1bis	Centro storico di Rom	1	091-002(b)	Complesso della Sant	sito
IT/VA_g1bis	Centro storico di Rom	1	091-003	Complesso di Santa M	sito
IT_823	Residenze Sabaudie	1	823-002	Palazzo Madama, Tori	sito
IT_1237rev	Le Dolomiti	1	1237rev_001	Peitmo-Croda da Lago	sito
IT/VA_g1bis	Centro storico di Rom	1	091-005	Palazzo della Cancelli	sito

186 Elementi



MapAnnotations



+ New

Filter annotations...

My Title



Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullamcorper accumsan. Praesent posuere, libero ut lobortis mattis nulla, vel lacinia augue arcu a nisi. Vestibulum placer

Other



b



a
c



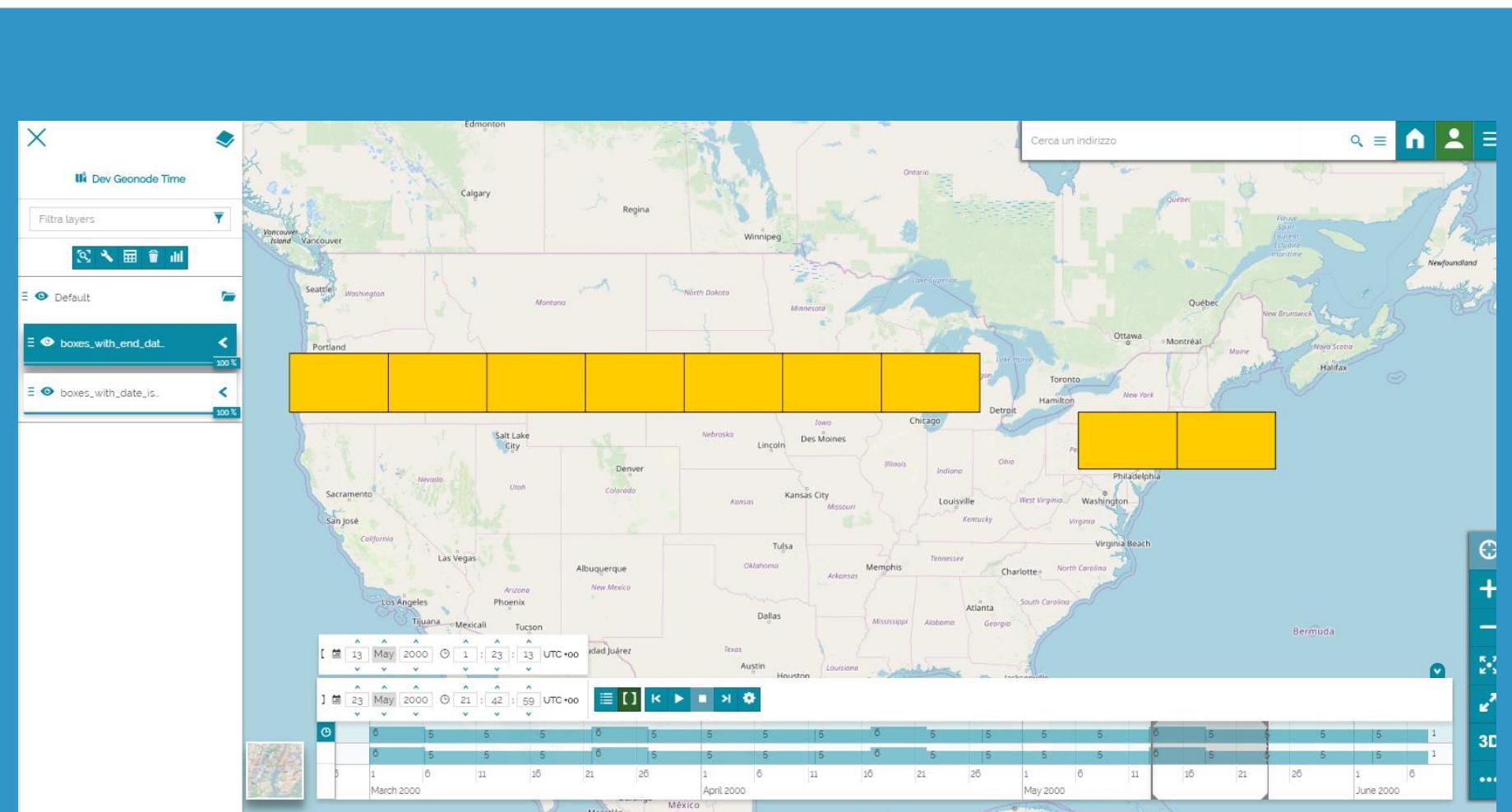
f
g



h
i



Time Slider





Mobile Ready



The screenshots show the following features:

- Left Screenshot:** A map of Southern Europe (Italy, France, Spain) with a specific location highlighted by a green polygon. The status bar shows signal strength, battery level (55%), and time (12:07). The URL in the address bar is dev.mapstore2.geo-solutic.
- Middle Screenshot:** The same map view, but with a modal window open titled "OPTIONS". It contains a "SETTINGS" button and a "Close" button at the bottom right.
- Right Screenshot:** A search results screen. The search term "Address" is entered in the search bar. The results list "Corsica del Sud, Corsica, Francia metropolitana, Francia". On the left, there's a "Layers" panel showing "Default" and "N-32-40_2000". On the right, a small map snippet shows the location in Italy. The status bar shows signal strength, battery level (55%), and time (12:09). The URL in the address bar is dev.mapstore2.geo-solutic.



User Guide



<https://mapstore.readthedocs.io/en/latest/>

MapStore

Search

geosolutions-it/MapStore2
130 Stars · 110 Forks

Home User Guide Developer Guide

Framework API JavaScript API Plugins Downloads

User Guide

Home Page Overview

Managing Users and Groups ^

- Overview
- Managing Users
- Managing Groups
- Managing User Rights on Maps

Exploring Maps ^

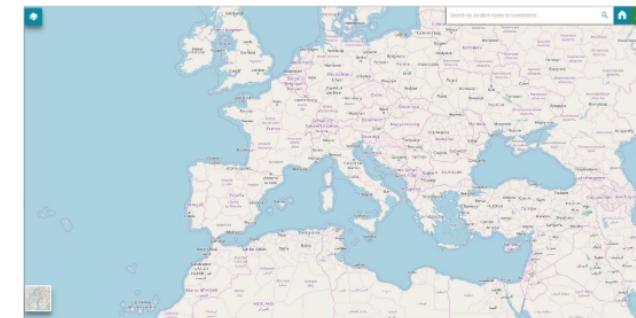
- Overview
- Table of Contents
- Managing Layer Settings
- Attribute Table
- Creating Widgets
- Menu Bar
- Printing a Map
- Adding Local Vector Files
- Managing Remote Services from the Catalog
- Saving a Map
- Performing Measurements
- Adding Annotations
- Sharing a Map
- Side Bar

Overview

In cartography, a map is any two-dimensional graphic representation of the spatial relationships of the whole or a part of the earth. In digital cartography as in [MapStore](#), a map consists in overlaying various layers of geographic data and their styles in data frames, it contains various map elements such as a legend and a scale bar.

Let us discover the WebGIS portal interface and its main components by creating a simple map and adding a layer.

From the *Home Page*, [Click on the New Map icon](#). You will be addressed directly to the map viewer.





Downstream Products



Neftex WebMapper



HALLIBURTON

Landmark

Web Mapper

Choose one of these predefined template maps or "Empty map" to launch the interactive web mapper. A help guide can be found [here](#)

Present Day Content

- Empty Base Map**
Start with an empty map in the present day
- Gross Depositional Environment Maps**
Included within this base map are the layers required for displaying present day Gross Depositional Environment Maps, preservation extents are also available. Use the timeslider to choose the surface of interest.
- Reports and Summaries**
Hyperlinked spatially tagged reports and thematic map summaries including StoryMaps, Insight Articles, Biostratigraphy Basin Reports and Basin Product Guides.

Geodynamics Content

- Palinspastic GDE Maps**
A geodynamic reconstruction of depositional facies belts and constraining datasets from their present-day distribution, including a global paleo digital elevation model representing surface topography and bathymetry
- Palinspastic GDE Maps - Low Bandwidth Version (beta)**
A core set of grouped layers. Optimised for slow internet connections

Web Mapper

This screenshot shows the Neftex WebMapper interface. It features a large central map view of the world, showing geological features like oil fields, reservoirs, and facies belts. The map includes a legend, a scale bar (1:15,680,000), and coordinates (Longitude: 080.1 Latitude: 33.8). On the left, there's a detailed sidebar with a tree view of map layers, including sections for Active Facies, Facies, Facies Models, Facies Frameworks, Facies Resources, and Basements. On the right, another sidebar provides options for creating a new basemap, opening a WMS layer, and creating a PDF. The top navigation bar includes links for Home, Web Mapper, Exploration Insights, and Log Out.



CSI Piemonte SIRA



SP
SISTEMA CONOSCENZE AMBIENTALI
LISTA MAPPA 1

SEARCH RESULTS LIST
X

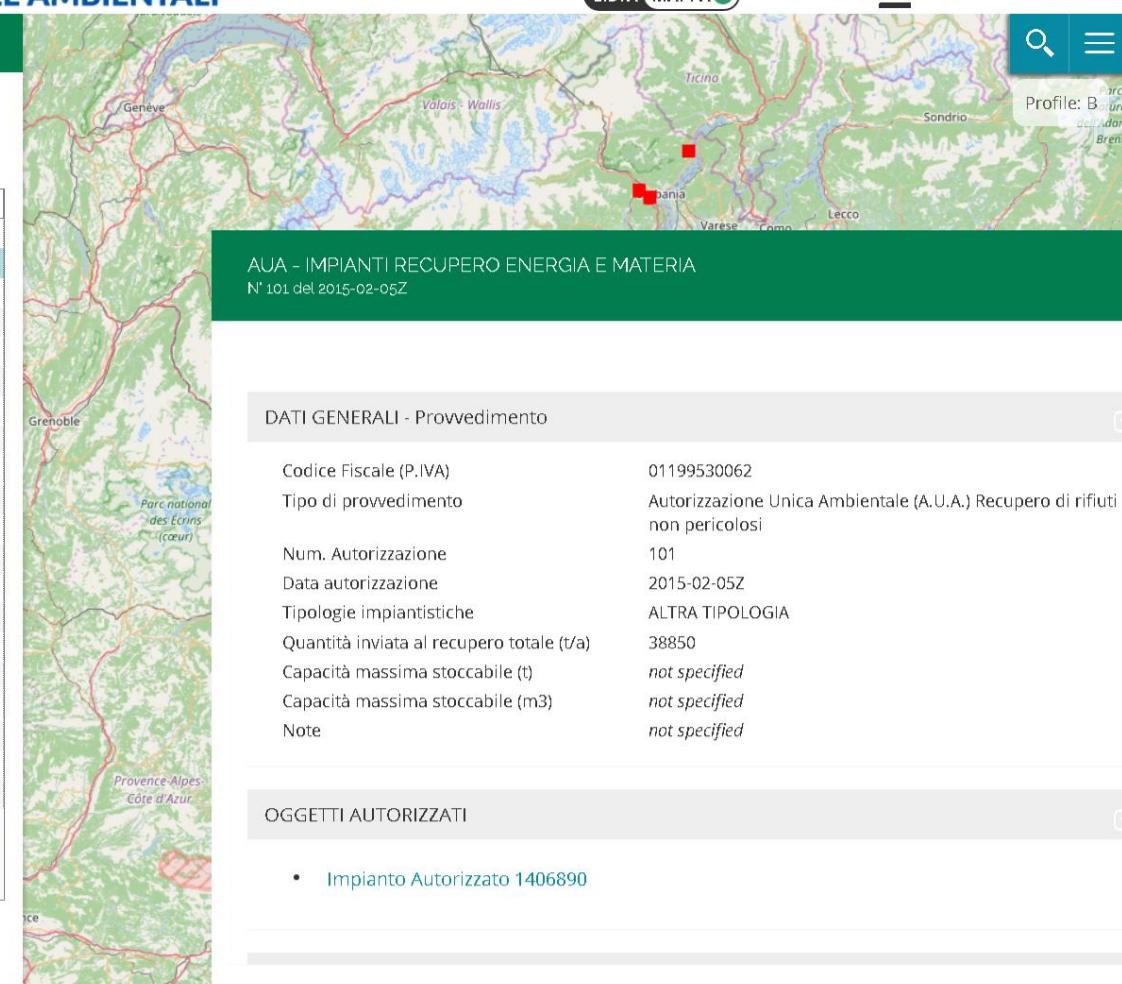
[Back to search](#)
[Profile: B...ura della dom...Brenta](#)

Risultati - 7859

Codice SIRA	Codice fiscale ...	Comune	Autorizzazioni ...
1406944	00109880500	Novi Ligure	Recupero di rifiut...
1406890	01199530062	Frassineto Po	Recupero di rifiut...
1407023	00435070065	Silvano d'Orba	Recupero di rifiut...
1407038	00865120067	Ticineto	Recupero di rifiut...
1407042	00932510043	Tortona	Recupero di rifiut...
1408478	01545840066	Borghetto di Bor...	Recupero di rifiut...
1407057	03383830100	Tortona	Recupero di rifiut...
1407082	02291260061	Valenza	Recupero di rifiut...
1429320	02321940062	ALESSANDRIA	Recupero di rifiut...
1407078	01278020068	Valenza	Recupero di rifiut...
141994	00109880500	Novi Ligure	Recupero di rifiut...
1406810	01980160012	Carbonara Scrivia	Recupero di rifiut...
1422199	02122770064	Sezzadio	Recupero di rifiut...
141940	01199530062	Frassineto Po	Recupero di rifiut...
142073	00435070065	Silvano d'Orba	Recupero di rifiut...
1428316	01416470068	Occimiano	Recupero di rifiut...
1406954	01435600067	Ovada	Recupero di rifiut...
1422191	02118260062	Predosa	Recupero di rifiut...
1421525	00170660062	Casal Cermelli	Recupero di rifiut...
1428708	01230410068	Valenza	Recupero di rifiut...

1 to 20 of more
[|<](#)
[|>](#)
Page 1 of more
[|>|](#)

[Q](#)
[Export](#)
[Tool Panel](#)
 Select All



AUA - IMPIANTI RECUPERO ENERGIA E MATERIA
 N° 101 del 2015-02-05Z

DATI GENERALI - Provvedimento

Codice Fiscale (P.IVA)	01199530062
Tipo di provvedimento	Autorizzazione Unica Ambientale (A.U.A.) Recupero di rifiuti non pericolosi
Num. Autorizzazione	101
Data autorizzazione	2015-02-05Z
Tipologie impiantistiche	ALTRA TIPOLOGIA
Quantità inviata al recupero totale (t/a)	38850
Capacità massima stoccativa (t)	not specified
Capacità massima stoccativa (m ³)	not specified
Note	not specified

OGGETTI AUTORIZZATI

- Impianto Autorizzato 1406890



Idaho Local Highway Technical Assistance Council



Statistics

DOWNLOAD AND STATISTICS

Select download format: CSV

All: 108472
Selected: 202
Highlighted: 0

All Crashes in selected area(s): 507
Local Crashes in selected area(s): 507
Shown on map (filtered): 507

CRASH LOCATIONS

[Clear Selections](#)

Search by location name or coordinates ...

Map showing crash locations in Idaho Falls, Idaho. The map displays major highways like US 20, US 26, and US 91, along with local roads and streets. A large cluster of crash locations is highlighted in blue in the central business district area. A legend on the right indicates crash types: red for fatal, orange for serious, yellow for minor, and green for report only.

1:144448 1 mi

Serial Number	Highway System	Severity	Accide.. Year	Accident Date	Accide.. Time	Day of Week	Intersect Related	Street 1	Street 2	Reference Street	Dist from Intersect	Road Type	Direction of Travel	Driver Action	Vision Obstruction	Impaired
10C255997	local	C Injury Accident	2010	2010-01-01	21:35	Friday	true	Eagle Dr	Derrald Ave		200 ft E	2-Way & No...	S	Going Straight	None	false
10C255969	local	Property Dmg Report	2010	2010-01-05	14:58	Tuesday	false	17th St	Driveway	25 East Rd	200 ft E	2-Way & 2...	W	Turning Left	None	false
10C256672	local	C Injury Accident	2010	2010-01-15	14:10	Friday	false	17th St		Hilt Rd	100 ft E	2-Way & 2 ...	W	Going Straight	None	false
10C257510	local	B Injury Accident	2010	2010-01-25	17:21	Monday	true	Curlew Dr	Chasewood...		200 ft E	2-Way & No...	S	Going Straight	None	false



NPA Terrain Explorer



CGG Passion for Geoscience

search for projects...

Empty Project Create a new project

Sample: SeepExplorer 2 Sample project for seep explorer 2

Correct Raster Processing This maps shows the result of correctly preprocessing raster data in order to remove artifacts.

Sample: Land Classification Sample land classification project

Seep Explorer

Sample: DEM Sample DEM project

RSF5 RSF5

Import Data Access Rules

drop here files to add it to this session

target workspace: terrain

Import Sessions / Session 4 / Package 0

Import Package

General Info	Original File	Target Store
Status: COMPLETE Update Mode: CREATE	File Name: RSF-5 - DEM.tif Format: GeoTIFF	Store Type: GeoTIFF Store Name: RSF-5 - DEM

Layer

name: RSF-5 - DEM1
title: RSF-5 - DEM
description: Generated from GeoTIFF

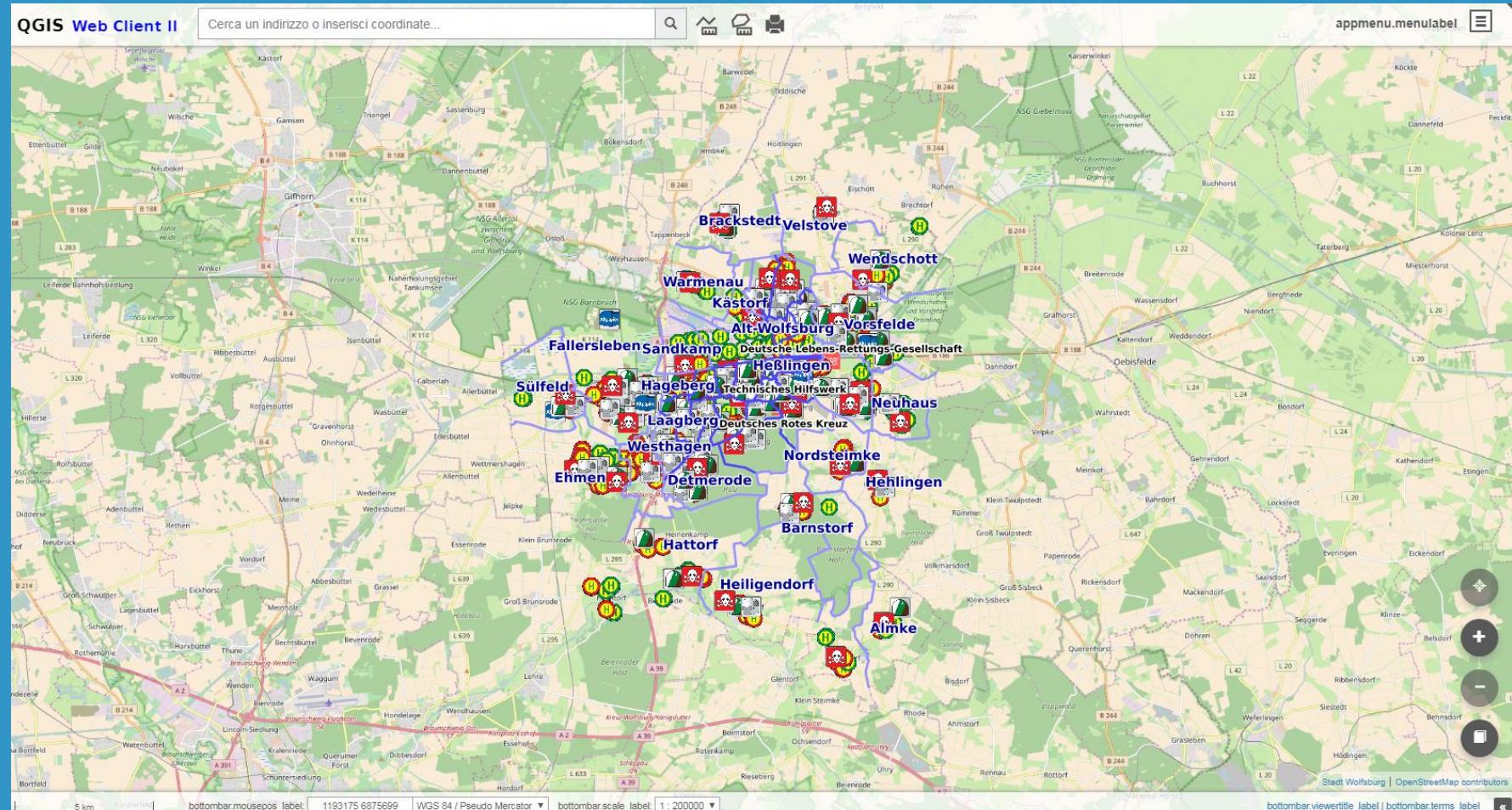
Update

Transformations Chain

#	
0	GdalWarpTransform
1	GdalAddoTransform



SourcePole QWC2





World Bank - HEV-E



The screenshot displays the HEV-E application interface, which is a web-based tool for hazard, exposure, and vulnerability analysis. The main view is a map of a city area, showing a high density of yellow dots representing buildings. A sidebar on the left contains a list of available data layers, including:

- Buildings
- Roads
- Rail
- Pipelines
- Storage Tanks
- Power Grid
- Bridges
- Energy
- Agriculture
- Crops
- Livestock
- Forestry
- Social
- People

The central part of the interface features a search/filter panel with tabs for Hazards, Exposures, and Vulnerabilities, and a dropdown menu for filtering by title, description, or category. Below this is a list of four specific data layers:

- ex1_buildings_52 (tanzania_residential_exposure)
- ex1_buildings_53 (tanzania_industrial_exposure)
- osm_test_ph_buildings_65 (Zanzibar OSM Data with G...
- osm_tnz_main_roads_road...

The bottom of the map interface includes a scale bar (200 m) and a copyright notice: "© OpenStreetMap contributors | Imagery from MapBox".



EU - DECAT



DECAT Data DECAT DSS English Search TTXn-GEOS1-eo

Early Warning

Promote Alert

Alert info: High water level

*flood warning

Location: Point: 43,527736°N 10,312986°E

Regions: Italy

Location: Updated Time: 2017-09-20 05:56:43 PM

Reported Time: 2017-09-20 04:42:48 PM

Reported from: Lore

Url: [Cancel](#) [Save](#) [Promote](#) [Archive](#)

Search by location name or coordinates ...

Layers:

- Default
- points_Italy
- Alerts
- Promoted
- Current
- Selected
- New/Edit
- Archived
- Reference EO map

wdd_20161013_inlin...

+

-

From: 2017-09-20 04:42 To: 2017-09-20 05:56

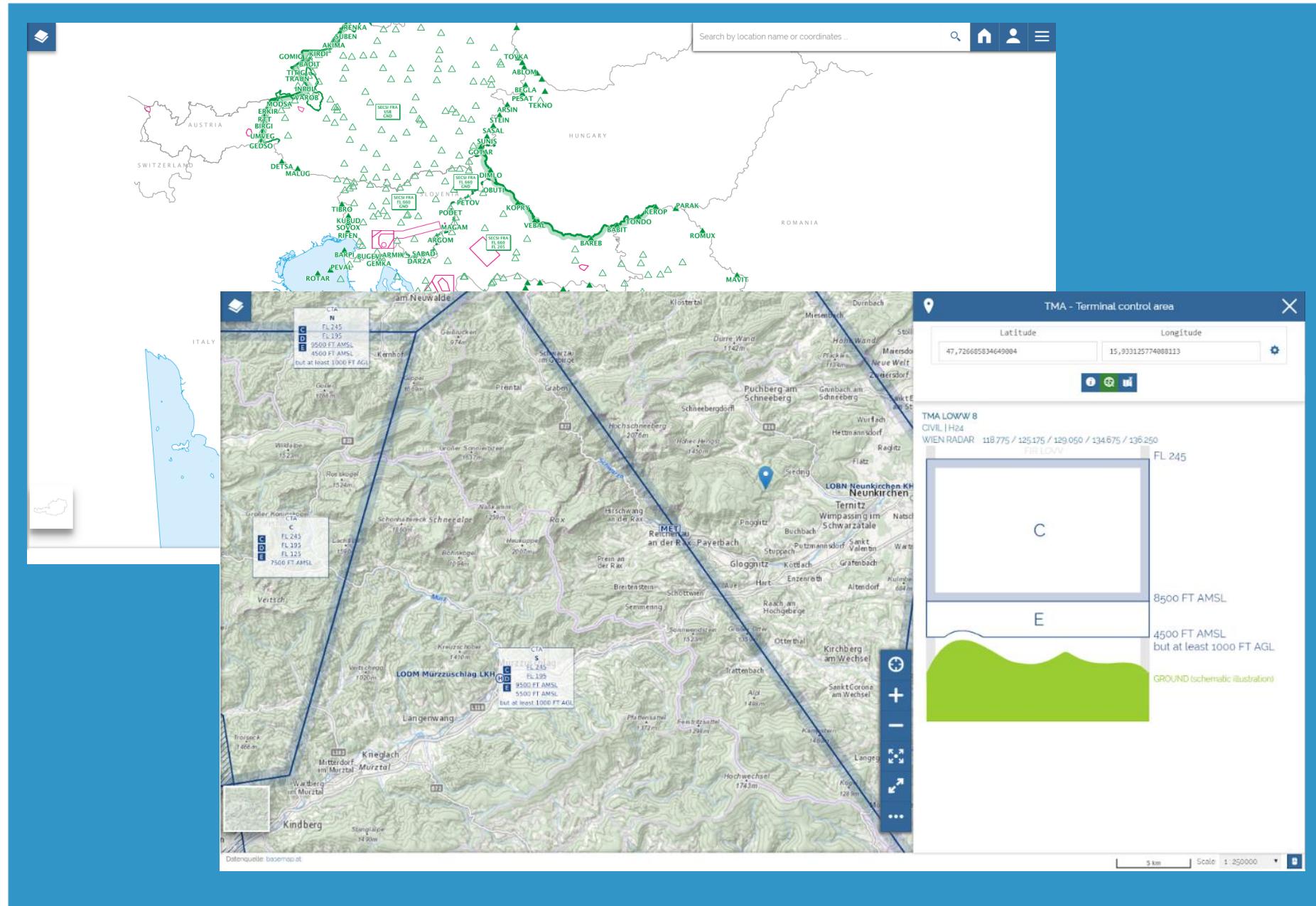
Powered by GeoNode version 2.9.dev20170908102727 Developers | About

Copyright © 2017 DECATASTROPHIZE All rights reserved.

The screenshot displays a map interface for the EU-DECAT system. The map shows a coastal town with various geographical features and landmarks. A sidebar on the left contains a 'Promote Alert' form for a 'High water level' event, specifying a point at 43,527736°N 10,312986°E in Italy. The map itself has several colored regions: red, orange, and yellow, likely indicating different risk levels or alert statuses. A legend on the right side of the map interface lists categories such as 'Default', 'points_Italy', 'Alerts', 'Promoted', 'Current', 'Selected', 'New/Edit', 'Archived', and 'Reference EO map'. At the bottom, there are controls for zooming (+/-) and panning (arrows), along with a scale bar (1:9028) and a 100m marker. The footer of the interface includes copyright information for DECATASTROPHIZE and developer details for GeoNode version 2.9.dev20170908102727.



AustroControl SDI

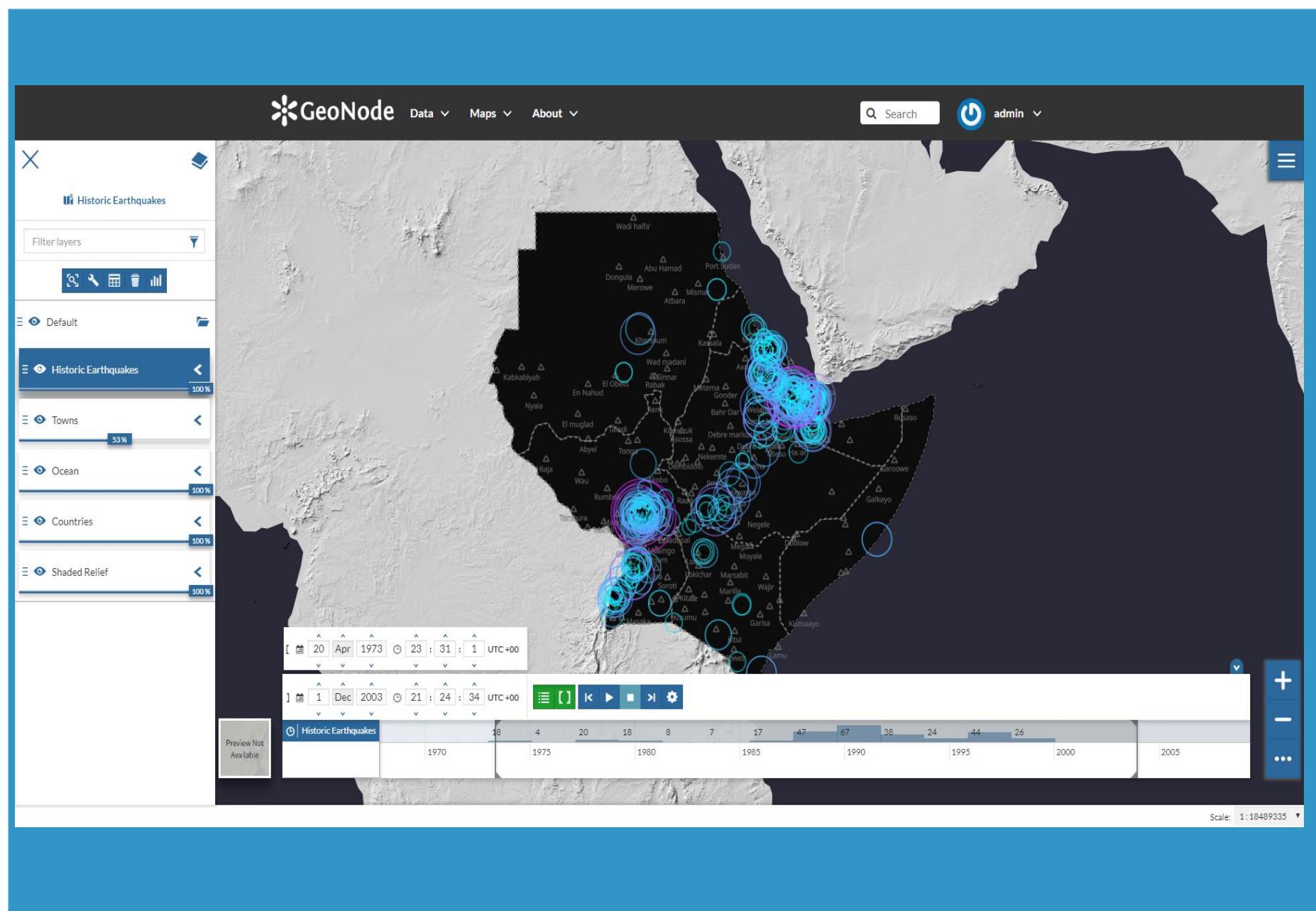


IGAD GeoPortal



GeoSolutions

your one-stop-shop for geospatial open source software





City of Bolzano



Comune di Bolzano
Stadtgemeinde Bozen

Cerca...

Servizio Informativo territoriale della città

Mappe

Periodo
Da: 01/01/2018
A: 31/12/2019

Giorno della settimana
 Lunedì
 Martedì
 Mercoledì
 Giovedì
 Venerdì
 Sabato
 Domenica

Tipo di infortunio
 Con Feriti
 Senza Feriti
 Mortale

© OpenStreetMap contributors.

1000 m Scala: 1: 72224

1000 m Scala: 1: 72224

1000 m Scala: 1: 72224



City of Brussels



Brussels Planning and Heritage

- Regional town planning regulation (RT)
- Publicity
 - Green areas
 - Protected or listed groups
 - Publicity
 - Shop signs
 - Accessibility
- Monuments and landscapes
 - Legal status and Register
 - Heritage
 - Detailed heritage
 - Legal Inventory of Sites and Leop
 - Protection areas
 - UNESCO protection areas
 - Archaeological heritage
 - Architectural heritage
 - Natural heritage
 - Wikimedia pictures archive
- Town planning
- Urban regeneration
 - Neighbourhood regeneration agree
 - Area with increased development
- Brussels Economy and Employment
- Brussels Environment
- Brussels Mobility
- housing.brussels
- perspective.brussels
- European structural funds
- Map backgrounds

Streetview

Geology conservatory of the Royal Belgian Institute of N...

View on Google Maps

Google 0 Jean-ignace de Vilaineigne-Sé Patout Terms of Use Report a problem

Indicative map - Done by BruGIS Team

Search by location name or coordinates ...

2 km Scale: 1:100000



City of Genova



In Evidenza

Protezione Civile per il cittadino

Visualizzazione di alcuni strati informativi facenti parte del Piano Comunale di Emergenza

X X X X X

Livello 3 del Piano Urbanistico Comunale

Tematici del Piano Urbanistico Comunale facenti parte del livello 3 - Locale di Municipio

X X X X X

Interventi LLPP da luglio 2017

Mappa degli interventi sul territorio

X X X X X

EMERGENZA MORANDI

X X X X X

Elementi 4 di 4

Contenuti

Mappe (38)
Dashboards (4)

Mappe

Geologia

Elementi geologici del territorio

X X X X X

🔍 🏠 👤 ☰

X

X

X

X

X

🔍

X

X

X

X

X

X

X

X

X

X

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City of Firenze



The screenshot displays a web-based GIS application for the City of Florence. At the top, there is a navigation bar with the Italian flag, user profile, and search functions. Below the navigation bar, a large map of the city is shown with a red overlay indicating administrative boundaries. A sidebar on the left lists various thematic layers: Limiti Amministrativi, Mobilità, Protezione Civile, Elaborazioni Lidar, Archeologia, UNESCO, PIANI, and others. A detailed legend panel on the right side shows a list of layers such as Mobilità, Sottopassi, Percorsi ciclabili, Rastrelliere, ALIA - Ordinanze sp..., Cantieri in data odier..., impianti semaforici, punti rilevamento tr..., pannelli informativi, and porte telematiche. The main map area shows a detailed view of a park and surrounding urban streets, with labels like Viale Fratelli Rosselli, Via Montebello, Lungarno Amerigo Vespucci, and Corso Italia.

GeoNode Integration - Layer & Map Preview

Layer and Map previews provide navigation tools and give access to advanced functionalities

GeoNode Data Maps About

Search Admin

ne_10m_admin_0_sovereignty

Map data: © OpenStreetMap, SRTM | Map style: © OpenTopoMap (CC-BY-SA)

Info Attributes Share Ratings Comments

Title ne_10m_admin_0_sovereignty
License Not Specified
Abstract No abstract provided
Publication Date May 27, 2019, 9:23 a.m.
Type Vector Data
Keywords features, ne_10m_admin_0_sovereignty
Regions Global
Owner admin
More info -

Download Layer
Metadata Detail
Editing Tools
View Layer
Download Metadata

Legend

Maps using this layer
This layer is not currently used in any maps.

Create a map using this layer
Click the button below to generate a new map based on this layer.
Create a Map

Add the layer to an existing map
Meteorite ▾
Click the button below to add the layer to the selected map.
Add to Map

Styles
The following styles are associated with this layer. Choose a style to view it in the preview map.
 A red polygon style
 Country

GeoNode Integration - Info and Print

Get information from layers and print the previewed map inside the Map Viewer of MapStore

The screenshot shows the GeoNode integration within the MapStore interface. On the left, a 'Print' dialog box is open, allowing users to set a title ('Countries'), description ('Enter a description...'), resolution ('96 dpi'), sheet size ('A3'), and layout orientation ('Portrait'). The main map displays administrative boundaries for countries like France, Germany, Italy, and Spain, colored by sovereignty status. A sidebar on the right provides detailed information for the selected layer ('ne_10m_admin_0_sovereignty') at the coordinates Lat: 42.81499-Long: 12.84424. The sidebar lists various geographical features and their properties, such as fid, featurecla, scalrank, LABELRANK, SOVEREIGNT, SOV_A3, ADM0_DIF, LEVEL, TYPE, ADMIN, ADM0_A3, GEOU_DIF, GEOUNIT, GU_A3, SU_DIF, SUBUNIT, SU_A3, BRK_DIFF, NAME, NAME_LONG, BRK_A3, BRK_NAME, BRK_GROUP, ABBREV, POSTAL, FORMAL_EN, FORMAL_FR, NAME_CIWF, NOTE_ADMIN, NOTE_BRK, NAME_SORT, NAME_ALT, MAPCOLOR7, MAPCOLOR8, MAPCOLOR9, MAPCOLOR13, POP_EST, POP_RANK, GDP_MD_EST, POP_YEAR, LASTCENSUS, GDP_YEAR, ECONOMY, and INCOME_GRP. The bottom right corner shows a scale bar of 1:18489335.

GeoNode Integration - Edit Data

Attribute table give to users the access of each feature of a layer and provides a set of tools to edit, filter, query and draw data

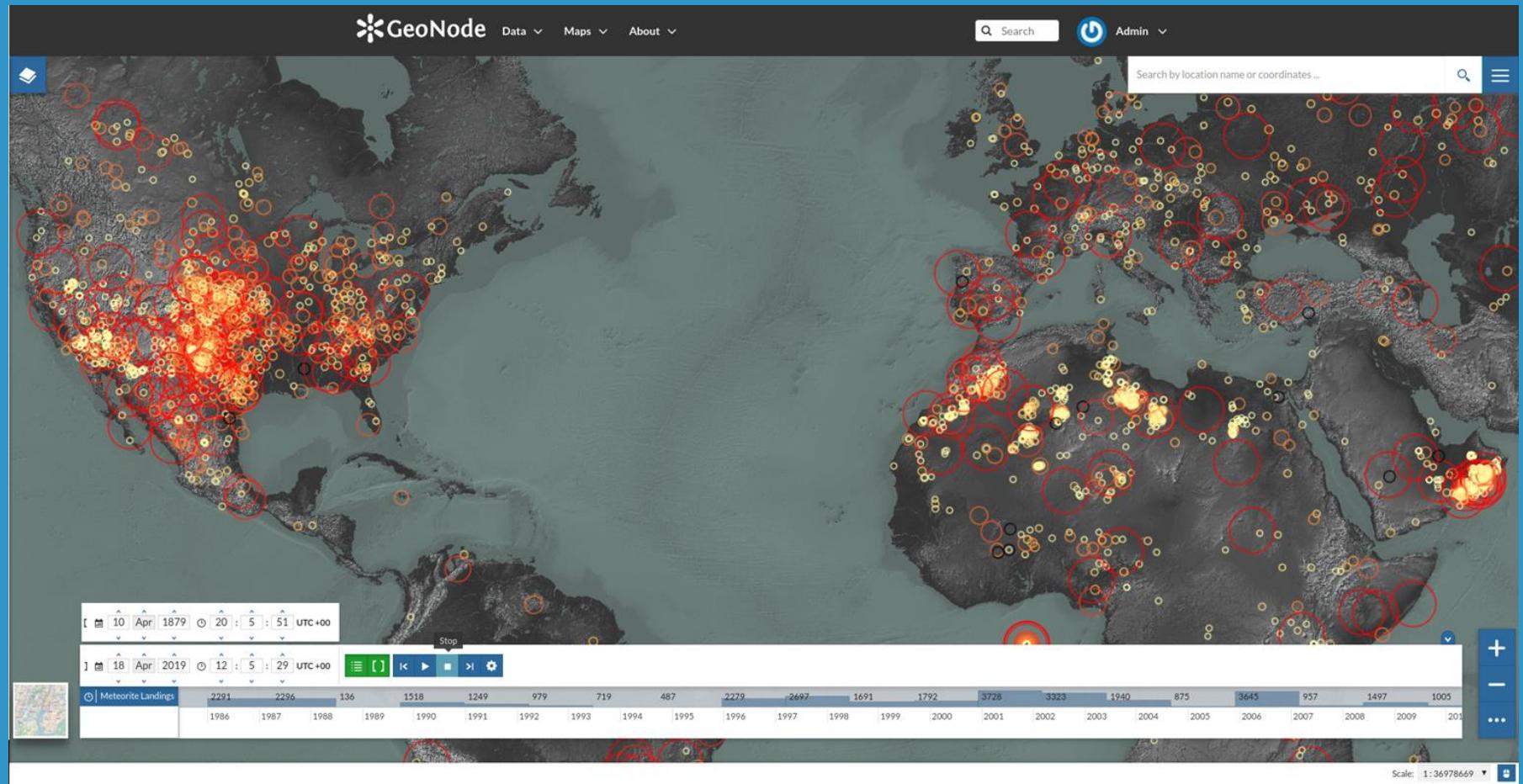
The screenshot shows the GeoNode web application interface. At the top, there is a navigation bar with the GeoNode logo, 'Data', 'Maps', 'About', a search bar, and an 'Admin' dropdown. Below the navigation bar is a map of East Africa, specifically Uganda and Kenya, showing various trade routes. The routes are represented by dashed lines with arrows indicating direction, and labels such as 'Lolachat-Jiri', 'Nakapiripirit-Amudat TC', and 'Amudat-Kamila' are visible. A blue dot is placed on one of the routes. In the bottom left corner of the map area, there is a legend with icons for back, forward, zoom in, zoom out, and a search function. To the right of the map, there is a search bar labeled 'Search by location name or coordinates ...'. At the bottom of the page, there is a footer with a globe icon and the text 'Scale: 1: 288896'.

	fid	OBJECTID	Route	Mode
<input type="checkbox"/>	20	68	Nakapiripirit-Amudat TC	Truck/Trek
<input type="checkbox"/>	21	71	Moroto-Amudat TC-Mbale-Tr	Trucking
<input checked="" type="checkbox"/>	22	72	Nakapiripirit-Amudat TC-Ka	Trucking
<input type="checkbox"/>	23	74	Amudat TC-Karita-Mbale	Trucking
<input type="checkbox"/>	24	76	Amudat TC-Karita	Trek
<input type="checkbox"/>	25	77	Kenya-Namalo	Trek/Trek

297 Items

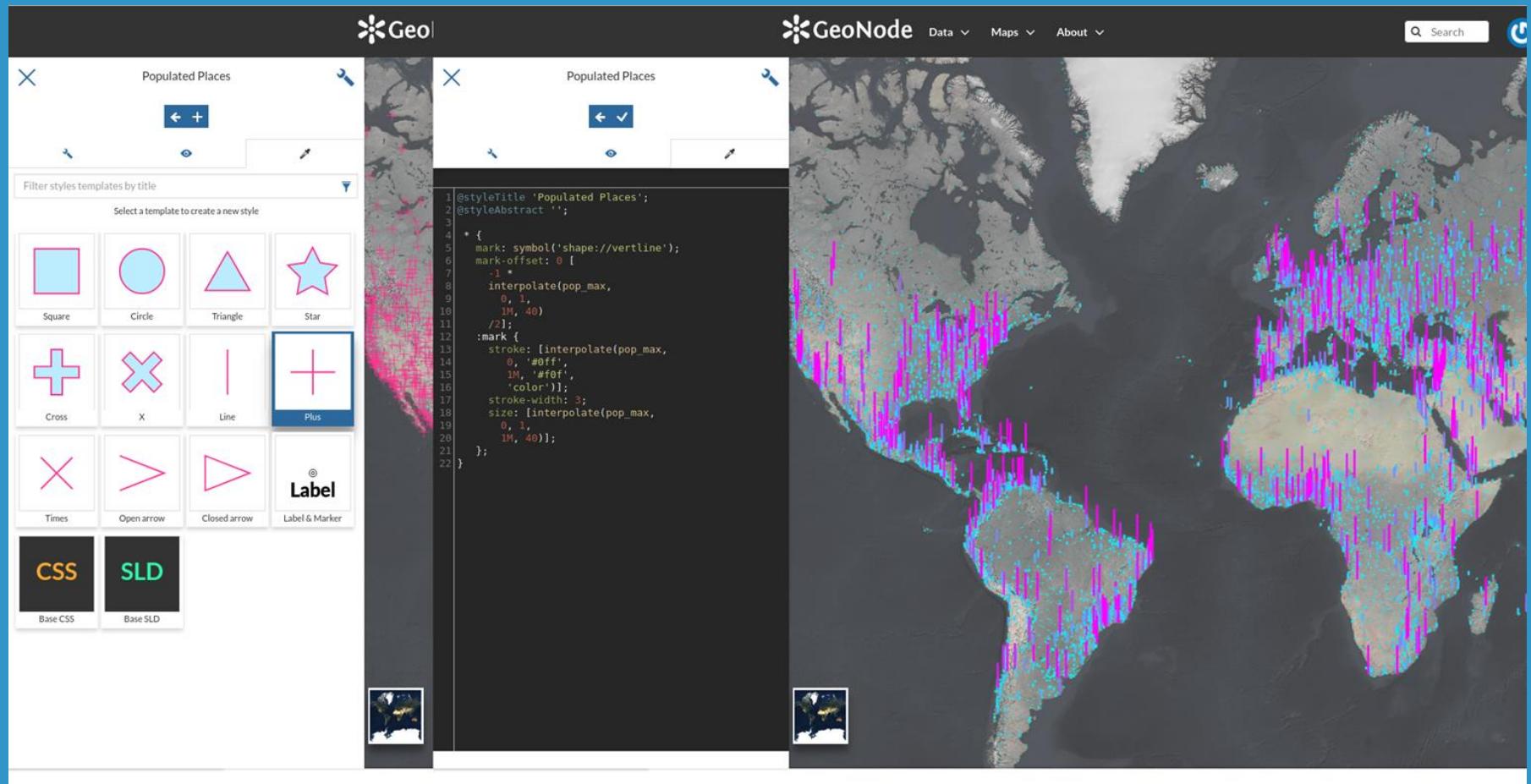
GeoNode Integration - Time Slider

Navigate in the time dimension with the **Time Slider**



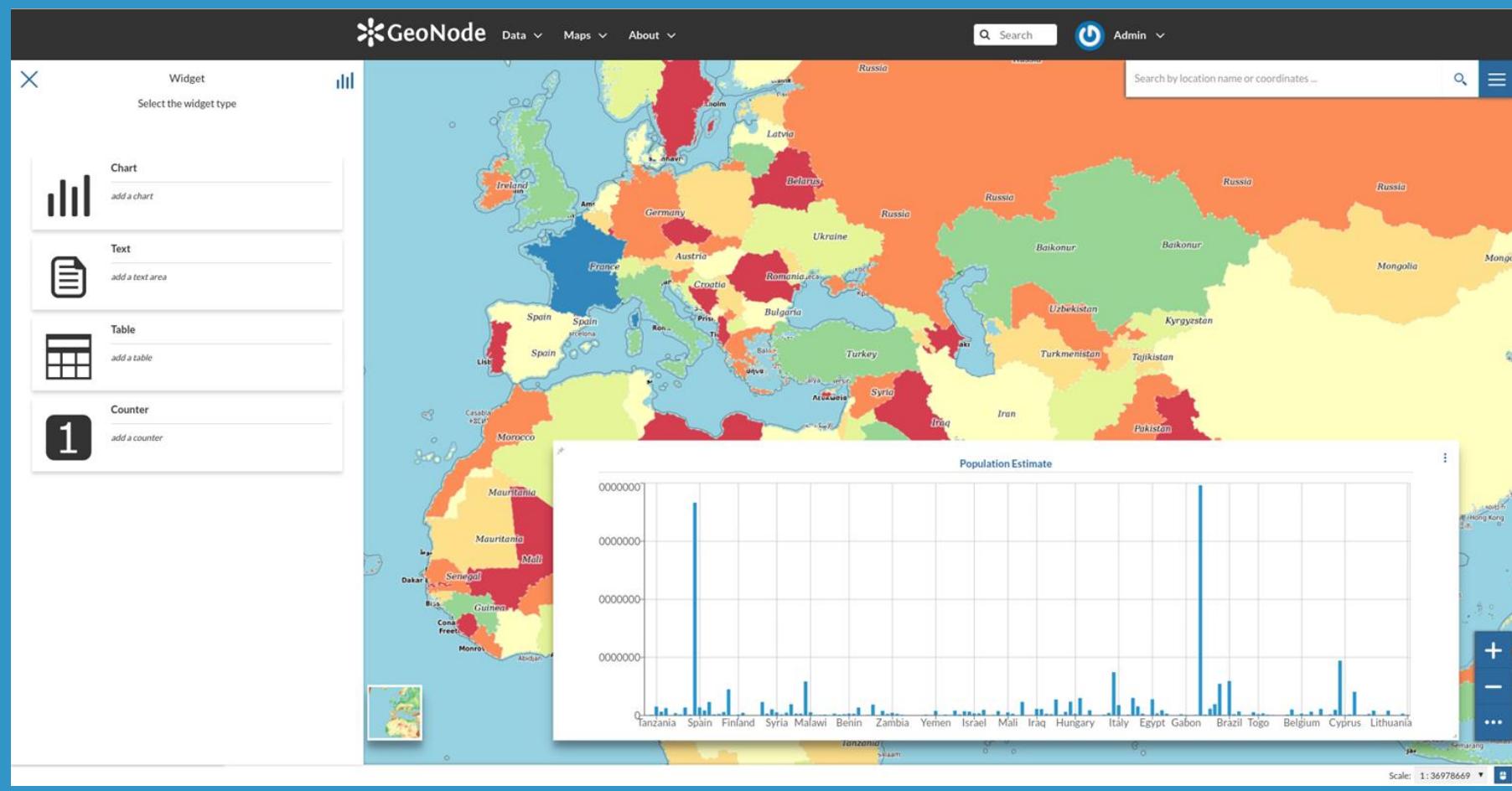
GeoNode Integration - Style Editor

Select, edit and create styles in SLD or GeoCSS



GeoNode Integration - Charts and Widgets

Create charts, tables, counters and text widgets to add them on the map



GeoNode Integration - Map Viewer

Create and edit maps inside the Map Viewer.
Add new layers with the Catalog tool

The screenshot displays the GeoNode Map Viewer interface. On the left, a sidebar titled "Meteorite" contains a "Filter layers" dropdown and several layer categories: "Default" (selected), "Populated Places" (100%), "Admin" (selected), and "Shaded Relief" (100%). The main map shows a global view with numerous green dots representing populated places. A legend on the right indicates that these dots represent "ne_10m_populated_places_simple". To the right of the map is a "Catalog" sidebar with a search bar and a list of available layers:

- ne_10m_populated_places_simple
5e484a82-7ddc-11e9-a91c-002590717754
No abstract provided
+ Add To Map
- landuse
2daleab2-805a-11e9-a91c-002590717754
No hay resumen proporcionado
+ Add To Map
- Meteorite_Landings_NASA
3b678084-805b-11e9-a91c-002590717754
No abstract provided
+ Add To Map
- IGAD_trade_route_directions
51813282-805d-11e9-a91c-002590717754
No abstract provided
+ Add To Map

At the bottom right, there are navigation controls for the catalog and a scale bar indicating "Scale: 1:36978669".



Roadmap





The Future

Improved Annotations

The screenshot displays a map of Italy and parts of Central Europe and the Mediterranean. Several annotations are present:

- A yellow circle centered on Asti.
- A red arrow pointing from a location near Lake Geneva towards the Alps.
- A pink polygon highlighting a region in Northern Italy.
- A blue line connecting points in Northern Italy to Zadar in Croatia.
- A purple text annotation "A TEXT ON THE MAP" placed over the blue line.
- Location markers with pins at various points along the coast and inland.

Annotations toolbar:

- Annotations button (green square with white icon)
- LineString editor button (blue square with white icon)
- Latitude and Longitude input fields with dropdown menus for degree, minute, and second selection.
- Coordinate values:
 - Latitude: 45° 34' 56.5917" N
 - Longitude: 13° 53' 32.4683" E
 - Latitude: 45° 16' 55.7842" N
 - Longitude: 14° 49' 9.485" E
 - Latitude: 44° 44' 9.7631" N
 - Longitude: 15° 4' 7.9125" E
 - Latitude: 44° 5' 57.9859" N
 - Longitude: 15° 44' 46.5017" E
 - Latitude: 44° 16' 11.5661" N
 - Longitude: 15° 15' 32.4288" E
- Checkmark and trash icons for editing.

Scale bar: 100 km

Text box: Q32019



The Future

Advanced Styler

X Trade Route 🔧

↶ ↷

```

1 @styleTitle 'Dashed line';
2 @styleAbstract '';
3
4 [@sd < 3M] {
5
6   stroke: [recode_Mode,
7     'Trucking', '#7b3294',
8     'Truck/Trek', '#008837',
9     'Truck/trek', '#008837',
10    'truck/trek', '#008837',
11    'Truck/trekk', '#008837',
12    'Truck/Trekk', '#008837',
13    'Truck', '#c2a5cf',
14    'truck', '#c2a5cf',
15    'Trek', '#a6dba0'
16  ];
17  stroke-width: 2;
18  stroke-dasharray: 1 2;
19  mark-geometry: [startPoint(the_geom),
20    [endPoint(the_geom)];
21  mark: symbol('shape://arrow'), symbol('shape://arrow')
22  mark-rotation: [startAngle(the_geom) + 180,
23    [endAngle(the_geom)];
24  :mark {
25    fill:#333;
26  };
27
28  [@sd < 2M] {
29    label: [Route];
30    label-follow-line: true;
31    label-offset: 8;
32    font-family: 'Noto Sans';
33    font-size: 8;
34    font-fill: [recode_Mode,
35      'Trucking', '#7b3294',
36      'Truck/Trek', '#008837'
37  
```

Preview Not Available

The Future

Advanced Styler

X Trade Route 

Filter styles by name, title or abstract 

SLD A orange line style 

CSS Dashed line 

CSS Trade Route Directions 

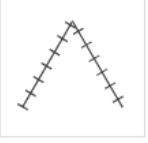
X Trade Route 

Filter styles templates by title 

Select a template to create a new style

 Line	 Dashed line	 Section line	 Simple railway
 Railway	 Waterway	 Red road	CSS Base CSS
SLD Base SLD			



The Future



Advanced Styler

The screenshot shows the Advanced Styler interface over a map of Europe. The interface includes a sidebar with tabs for Layer Title, General, Display, Analysis, and Style. The Style tab is active, showing settings for a marker: a pink star, a size of 20px, a pink fill color, and a stroke width of 1px. The main map area displays Europe with numerous pink stars placed on specific locations across the continent.



The Future

GeoStory (like storymaps but better)

The screenshot displays the GeoStory application interface. On the left, a sidebar contains four content cards:

- Intro** (type: cover): An image of a nebula.
- Abstract** (type: paragraph): A text area with placeholder text.
- History** (type: immersive): An image of a map icon.
- Observatories** (type: title): An image of a galaxy.

Below the sidebar is a large map of South America, specifically focusing on the Andean region. Several locations are marked with blue circles, indicating points of interest. In the bottom right corner of the map, there is a red-bordered box containing the text "Q12020".

On the right side of the interface, there is a detailed view of the Chacaltaya Astrophysical Observatory. It includes a thumbnail image of the observatory, a descriptive text box, and a small map icon.



The Future



- Dashboards in GeoNode
- Vector Tiles
- Improved Dashboards
- Filtered Layers
- Extend documentation
- MapStore as a service
- More plugins
- More... what? Tell us your opinion!



Resources



- MapStore documentation

<https://mapstore.readthedocs.io/en/latest/>

- Developing in MapStore

<https://docs.google.com/presentation/d/13eCrCdOBiorICPM1MTfsPP8QV9xMsFS2bRREb4QHCJ0/edit?usp=sharingMore>

- Introduction to RxJS and redux-observable

<https://docs.google.com/presentation/d/1Ts-yZGc12VMr9oG8xMqwptUmMjdsKI2uZh4Mr5shYhA/edit?usp=sharing>

That's all folks!



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Questions?

info@geo-solutions.it



Mapping with MapStore



MapStore is mapping agnostic

```
<Map mapType="leaflet">-->
  <Layer type="wms" options={{-->
    url: "http://demo.geo-solutions.it/geoserver",-->
    name: "weather_data"-->
  }}/>-->
  <Layer type="osm"/>-->
</Map>-->
```

Thanks ReactJS!

Mapping with MapStore



MapStore is mapping agnostic

```
<Map mapType="openlayers">
  <Layer type="wms" options={{
    url: "http://demo.geo-solutions.it/geoserver",
    name: "weather_data"
  }}/>
  <Layer type="osm"/>
</Map>
```

Thanks ReactJS!

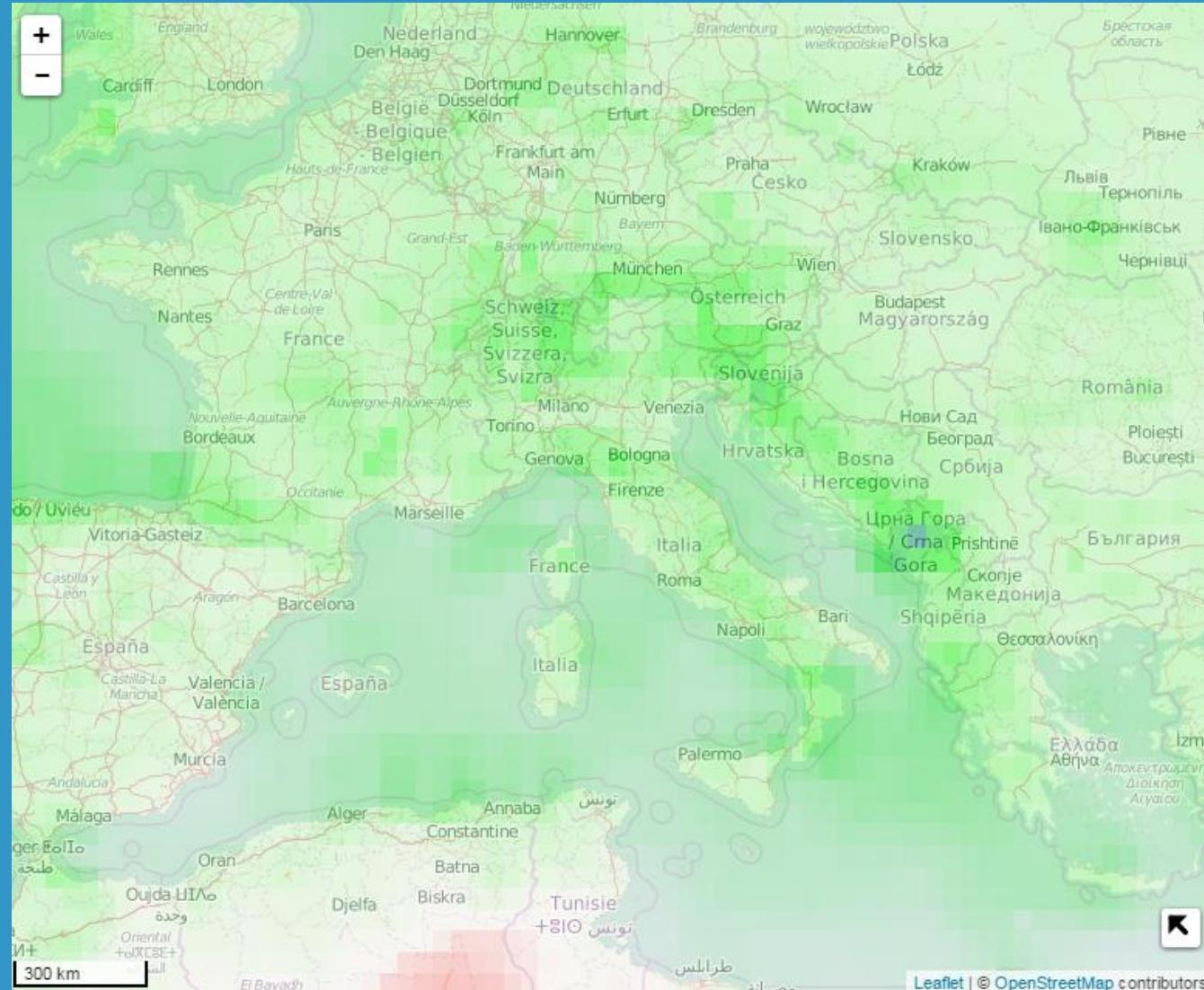




Building a WebGIS



MapStore is pluggable

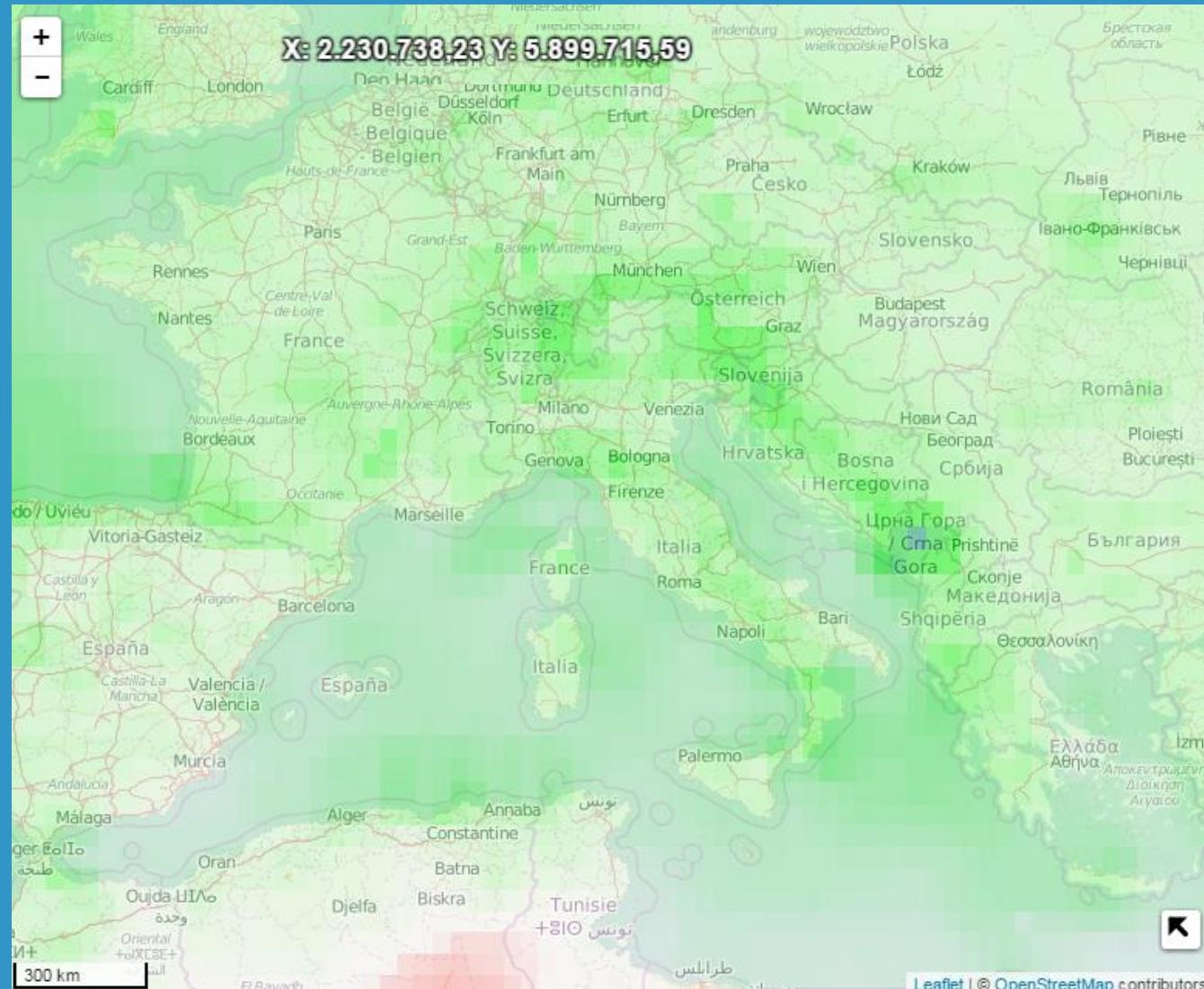




Building a WebGIS



MapStore is pluggable



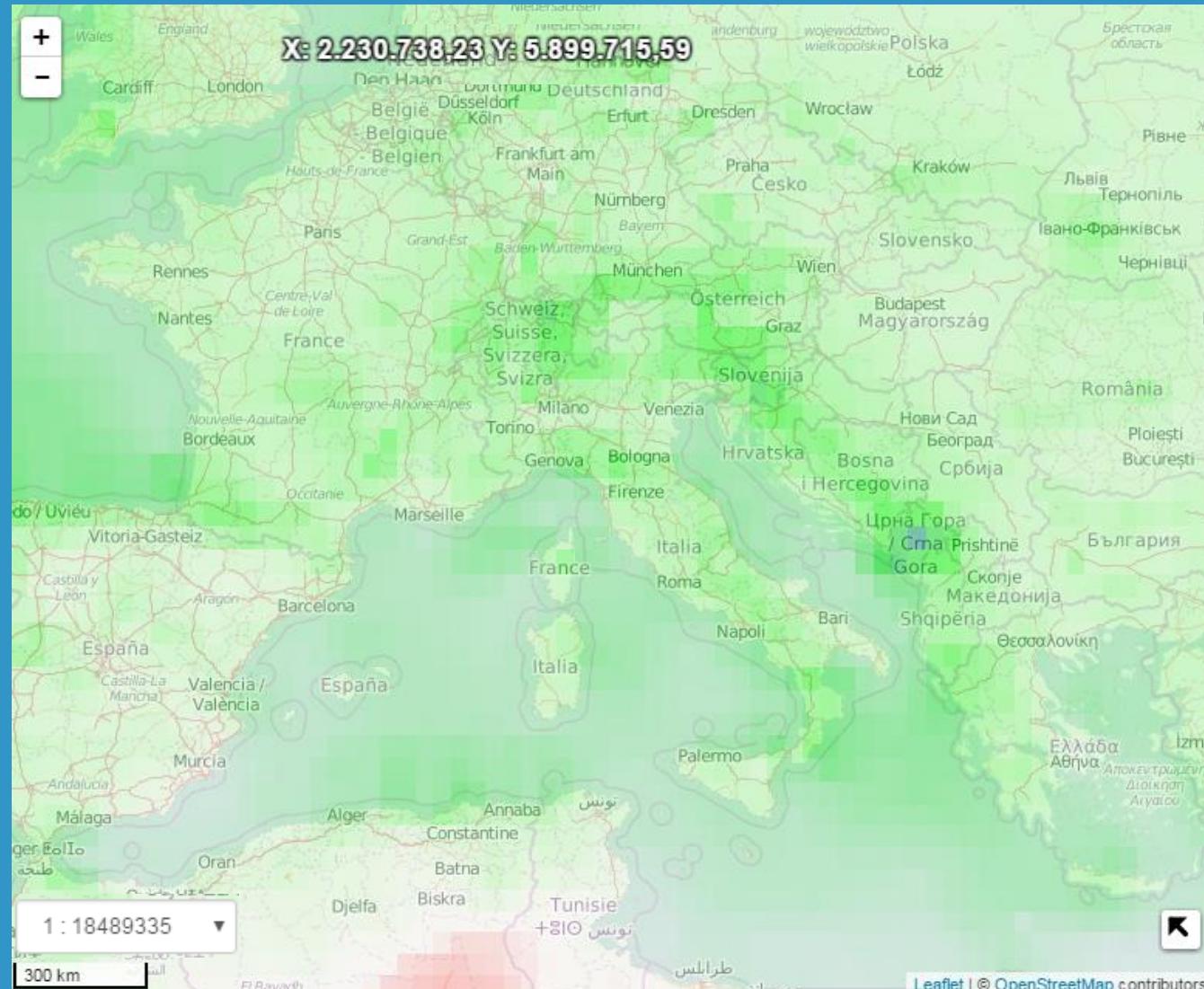
Leaflet | © OpenStreetMap contributors



Building a WebGIS



MapStore is pluggable

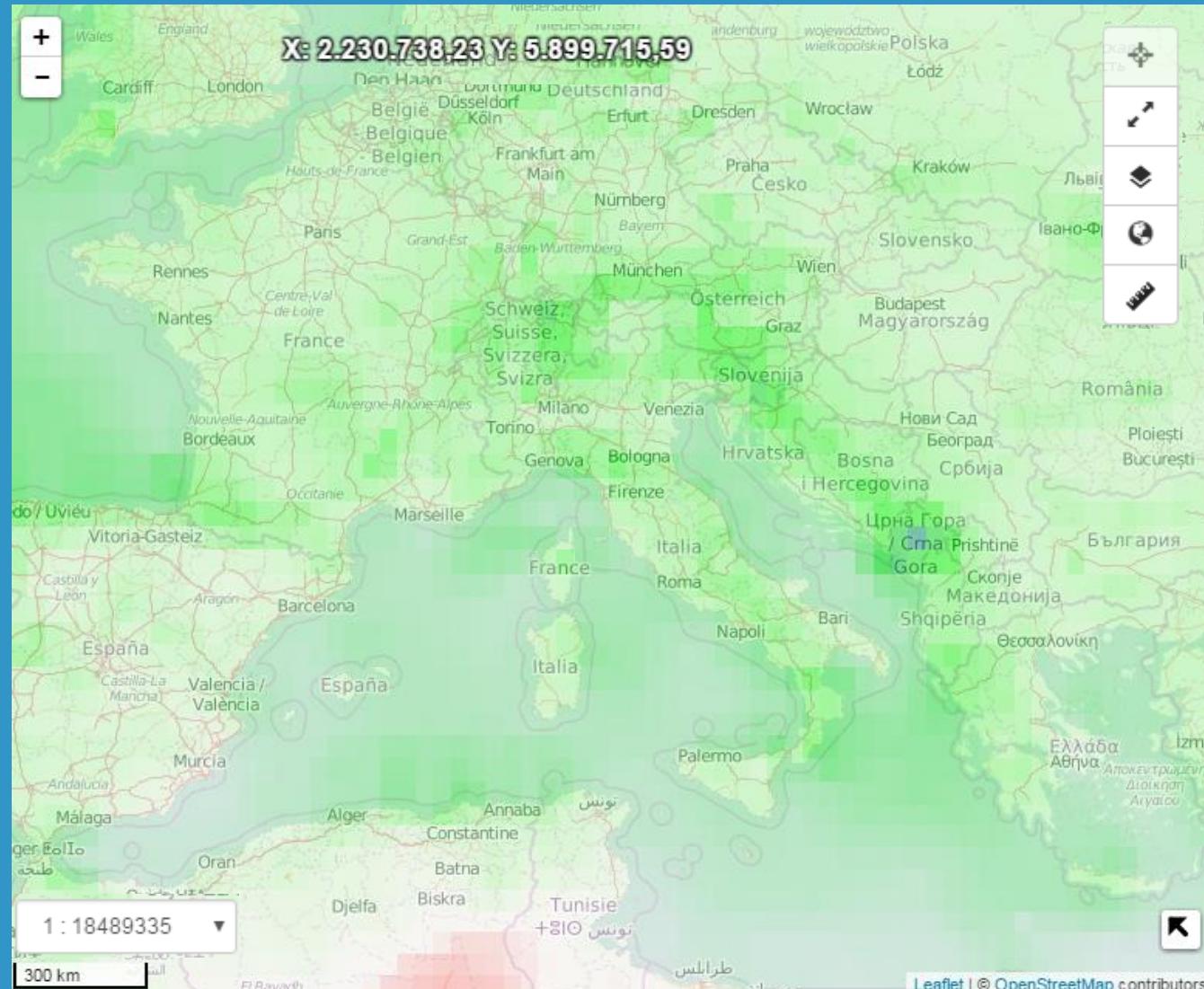




Building a WebGIS



MapStore is pluggable

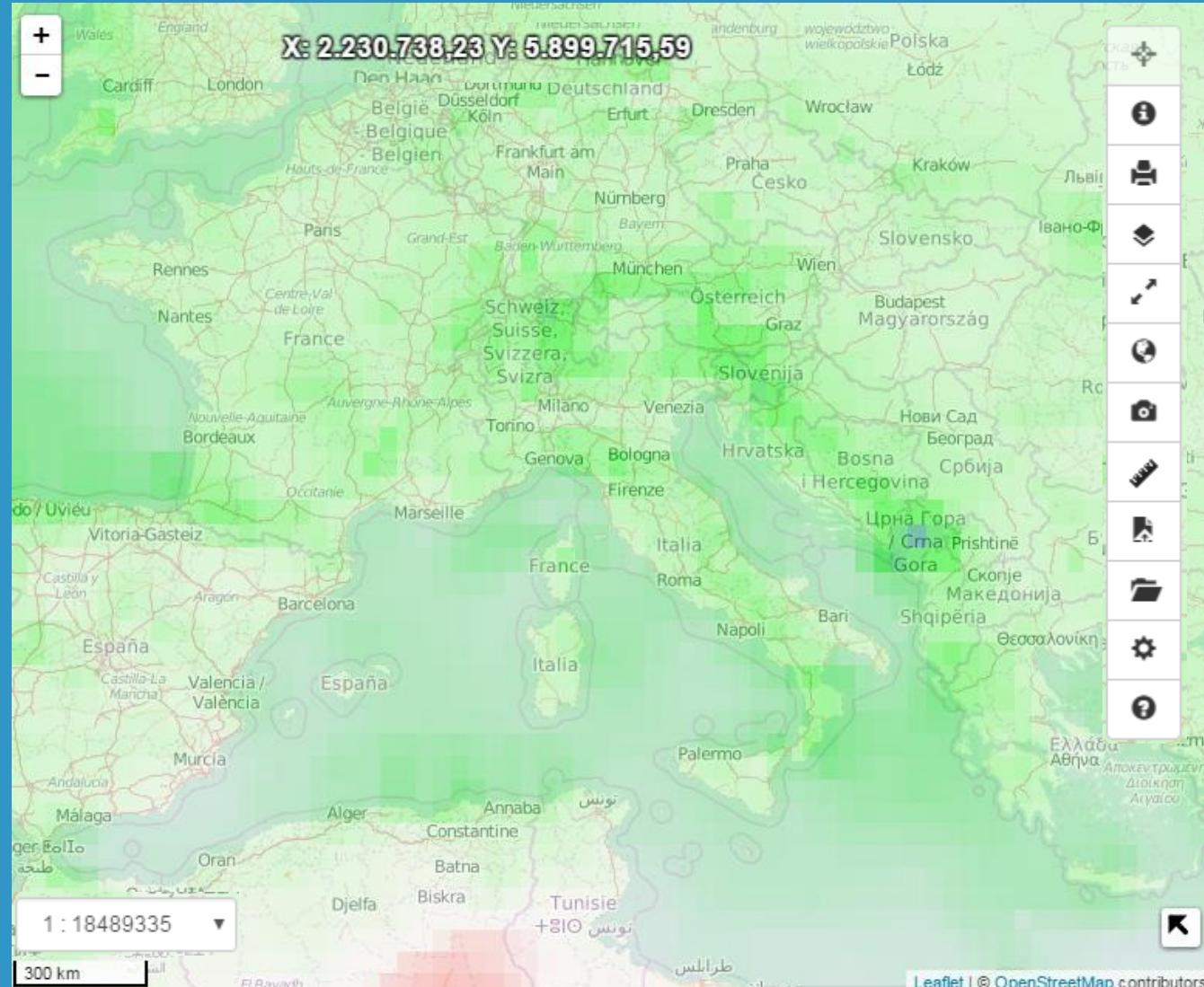




Building a WebGIS

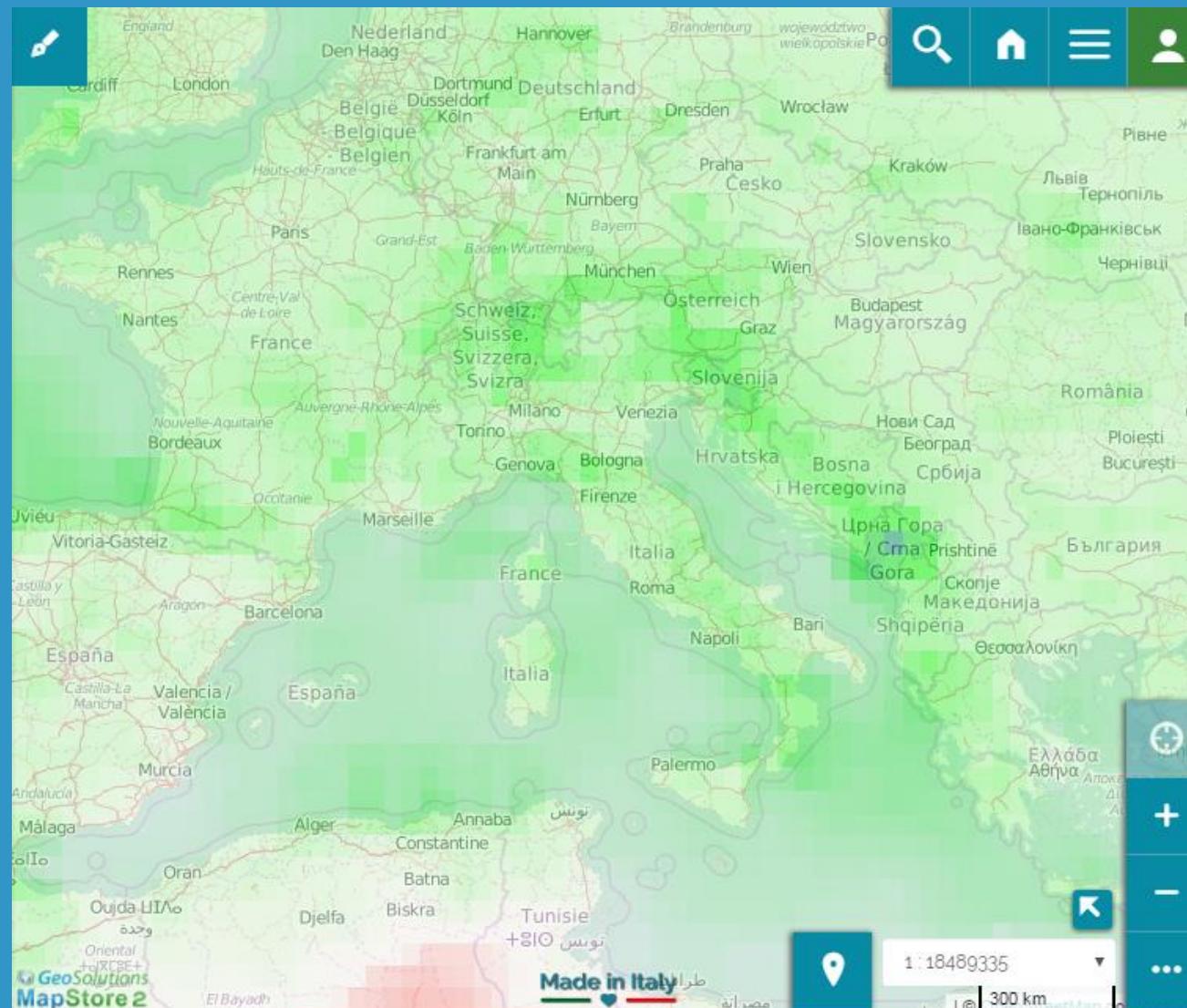


MapStore is pluggable



Leaflet | © OpenStreetMap contributors

MapStore is customizable

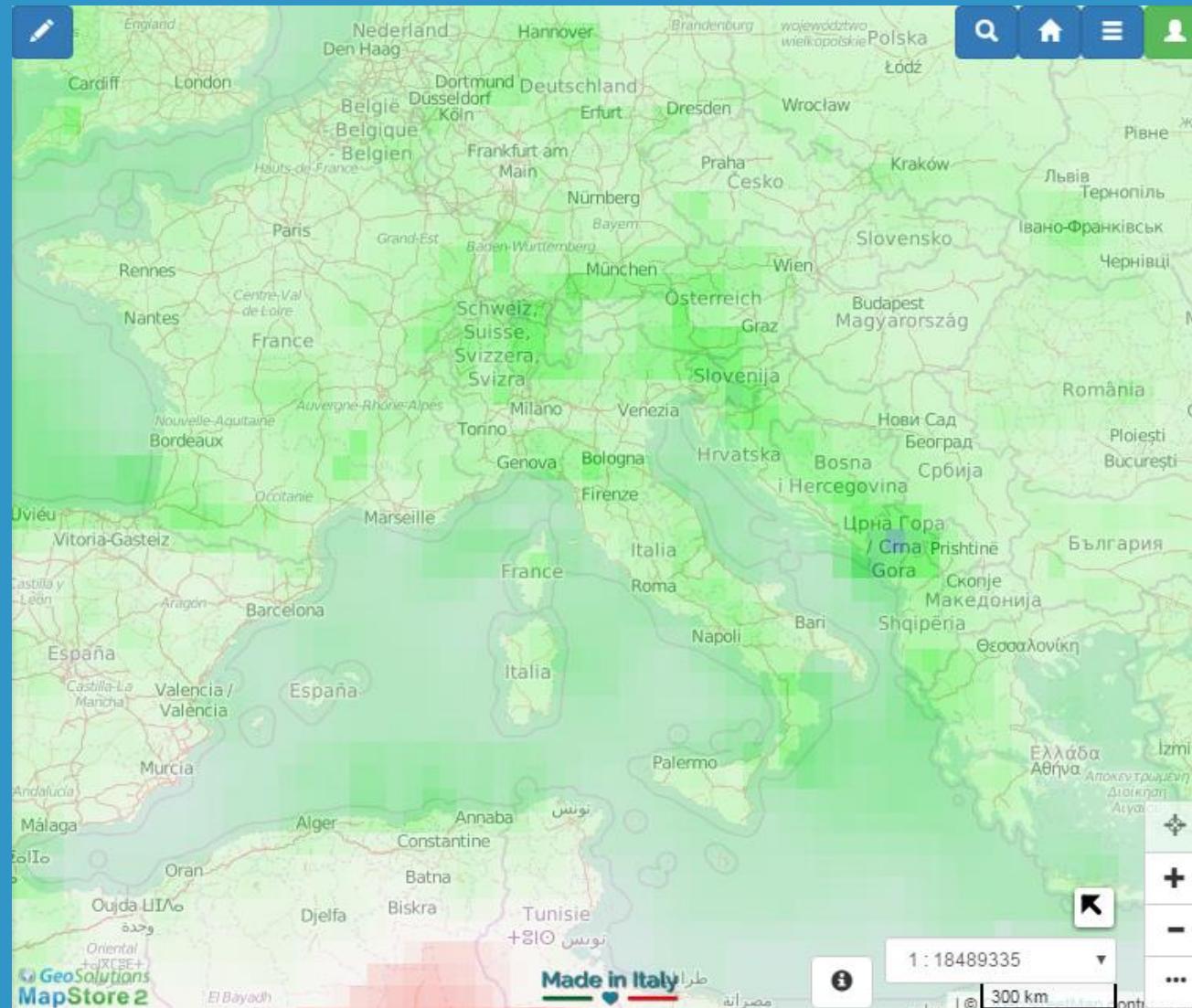




Building a WebGIS



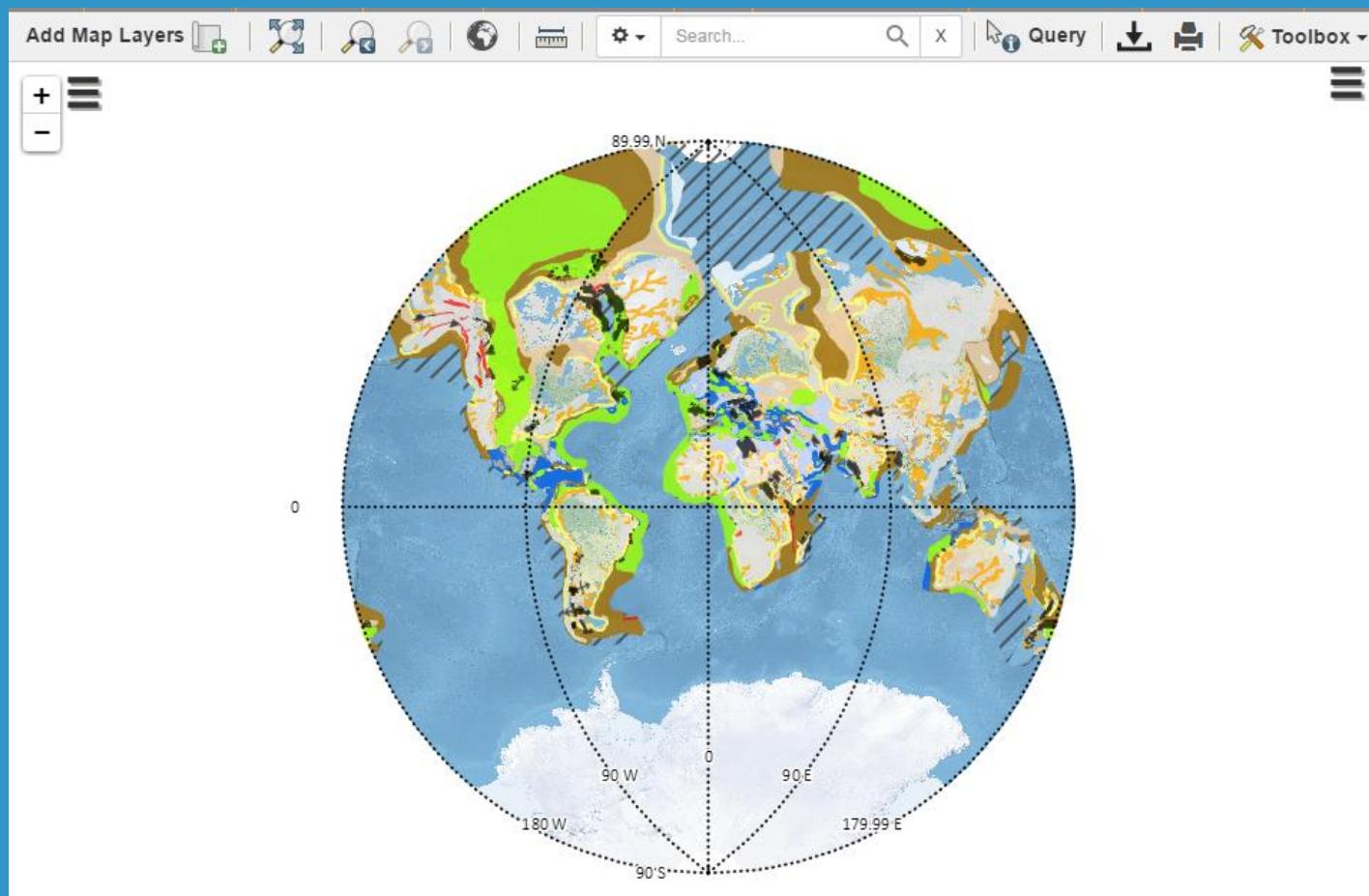
MapStore is customizable



Building a WebGIS



MapStore is customizable





Building a WebGIS



MapStore is customizable

SISTEMA CONOSCENZE AMBIENTALI

SEARCH RESULTS LIST

Codice SIRA	Codice fiscale (P.IVA)	Comune	Autorizzazioni ambientali
1582	02291260061	Valenza	Recupero di rifiuti n...
29820	02321940062	ALESSANDRIA	Recupero di rifiuti n...
2988	01006630337	Cassano Spinola	Recupero di rifiuti n...
1578	01278020068	Valenza	Recupero di rifiuti n...
1444	00109880500	Novi Ligure	Recupero di rifiuti n...
1310	01980160012	Carbonara Scrivia	Recupero di rifiuti n...
16699	02122770064	Sezzadio	Recupero di rifiuti n...
1390	01199530062	Frassinetto Po	Recupero di rifiuti n...

1 to 15 of more Page 1 of more

Export Tool Panel Select All

FIND IN THE DATASET

Dataset: AUA - IMPIANTI DI RECUPERO ENERGIA E MATERIA

ATTRIBUTE FILTER

Match: any of the following conditions:

- Provincia = ALESSANDRIA
- Provincia = ASTI

+ Add Condition + Add Group

Spatial Filter

Selection Method: Select

Operazione Geometrica: INTERSECTS

Search Reset



Building a WebGIS



MapStore is customizable

Configure application plugins

- Leaflet
- Save
- Load
-
- Map
- MousePosition
- MapLoading
- ZoomAll
- ZoomIn
- ZoomOut
- Search
- ScaleBox
- Toolbar
- DrawerMenu
- BurgerMenu
- OmniBar
- Locate
- Identify
- TOC
- RasterStyler
- BackgroundSwitcher

Cerca un indirizzo o inserisci coordinate...

300 km

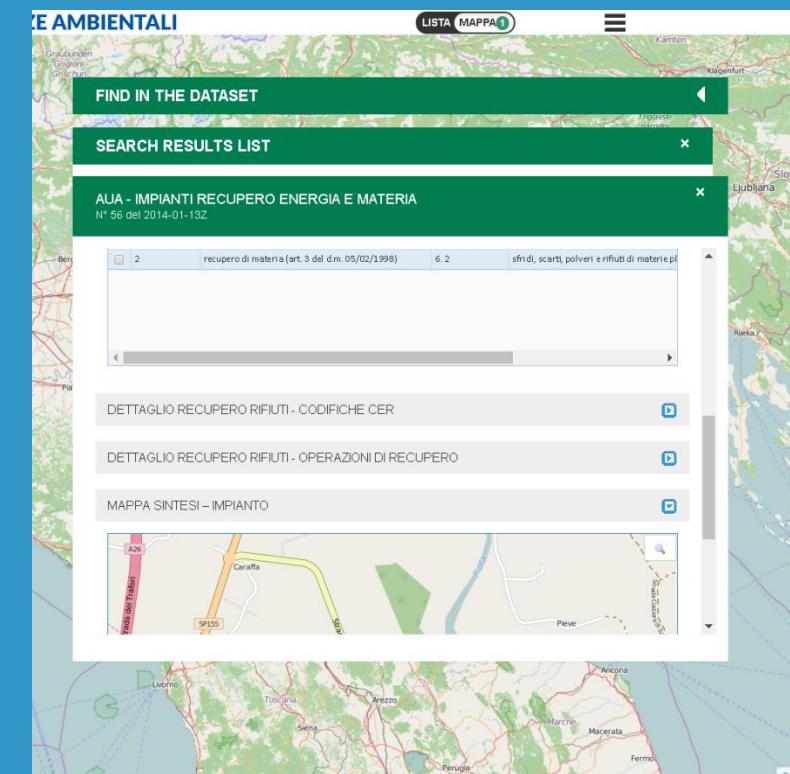
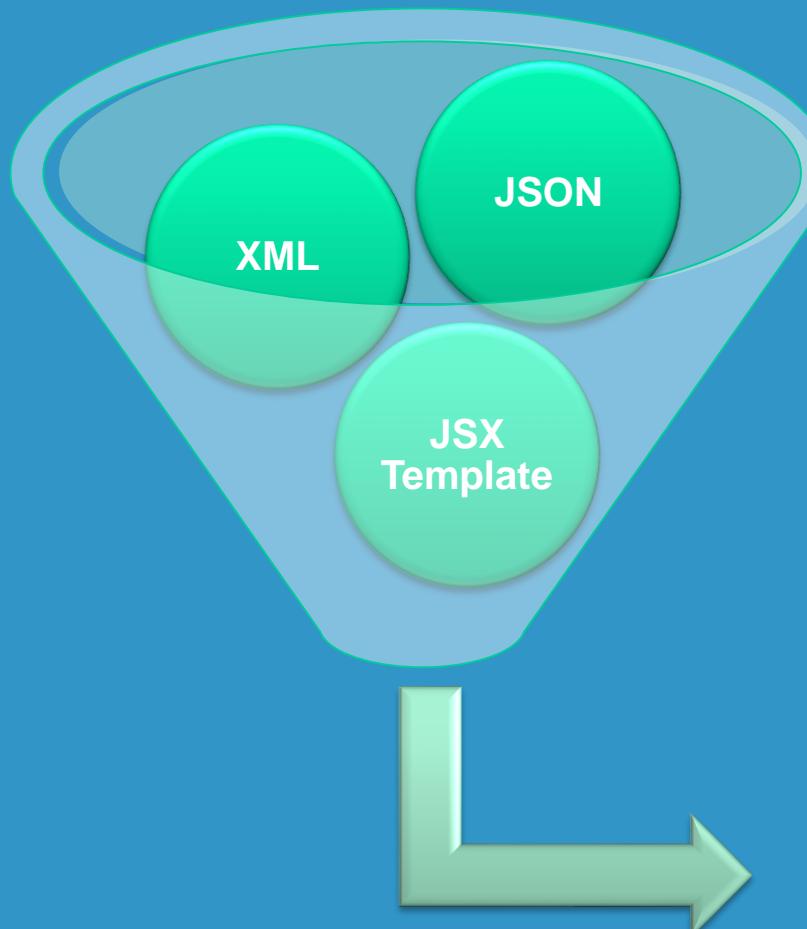
Leaflet © OpenStreetMap contributors



Building a WebGIS



MapStore is customizable





Building a WebGIS



The L&F has been done with care

Check it live at <http://lf.mapstore2.geo-solutions.it/samples>

CHEF STUDIO

MapStore 2

GeoSolutions
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Discover the new MapStore 2 by GeoSolutions. This is a first mockup designed by ChefStudio.it

NAVIGATION TOOLS

SIDE BAR LAYERS TOOL

SIDE BAR MAP TOOLS

SIDE BAR DRAWING TOOLS

MODAL PRINT 2

MODAL OPTIONS

MODAL SHARE

MODAL LOG-IN

RIGHT BUTTON

LAYER OPAQUE

WELCOME PAGE

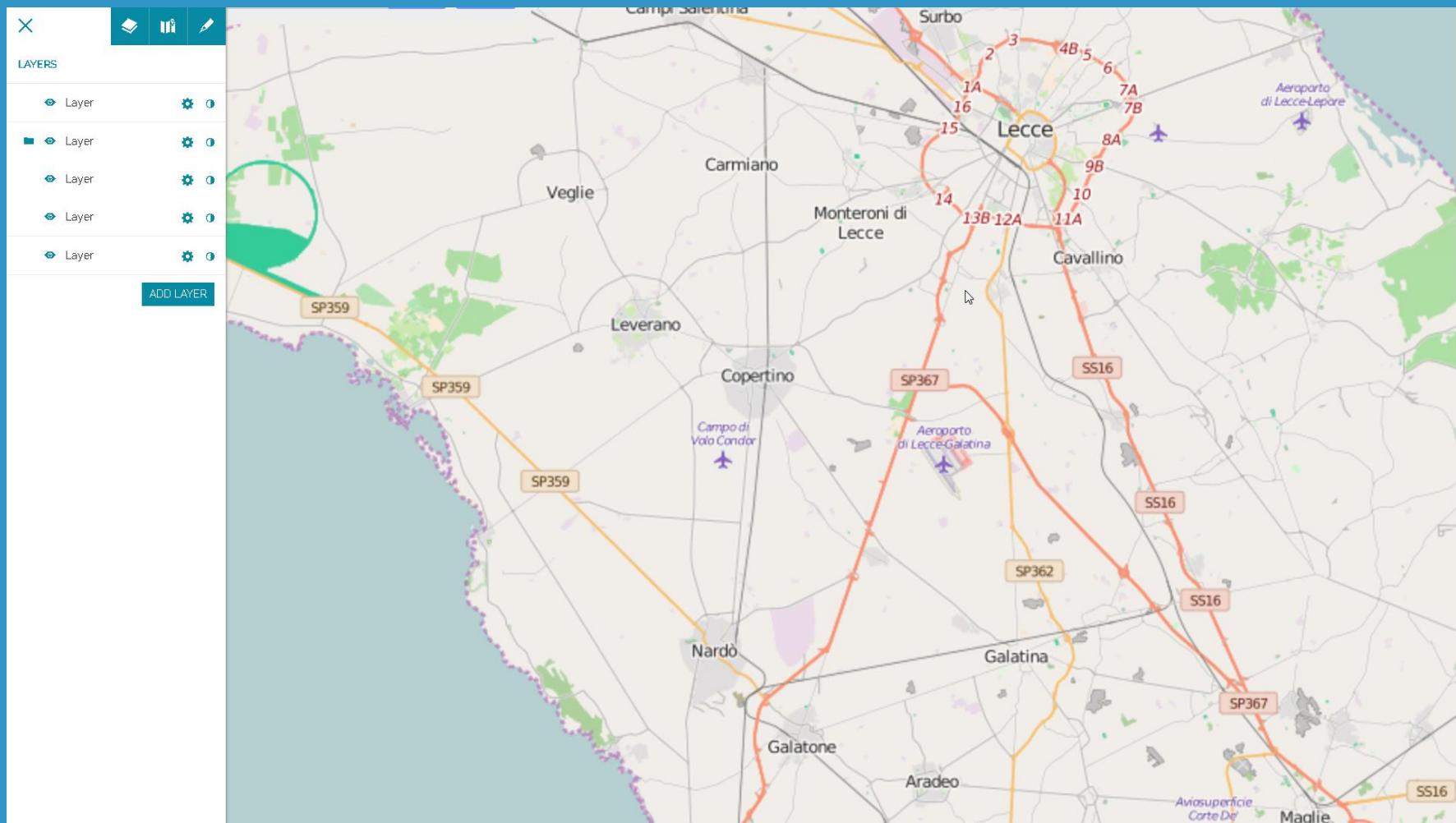
INFO TOOL

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Building a WebGIS



The L&F has been done with care

Check it live at <http://lf.mapstore2.geo-solutions.it/samples>

Building a WebGIS



Easy map publishing

The screenshot shows the MapStore 2 interface. At the top is a search bar with the placeholder "search for projects..." and a magnifying glass icon. Below the search bar is a descriptive text block:

MapStore 2 has been developed to create, save and share in a simple and intuitive way maps and mashups created selecting contents coming from well-known sources like Google Maps and OpenStreetMap or from services provided by organizations using open protocols like OGC WMS, WFS, WMTS or TMS and so on.
Visit the home page for more details.

Below this text is a "Select Map Viewer:" dropdown menu set to "Leaflet".

Two main map thumbnails are displayed:

- Historical Maps of Florence - MS2**: A thumbnail showing a historical map of Florence with red and orange color coding, with a blue "New Map" button below it.
- Unesco Italian Items MS2**: A thumbnail showing a map of Italy and surrounding regions with red dots indicating Unesco World Heritage sites, with a blue "New Map" button below it.

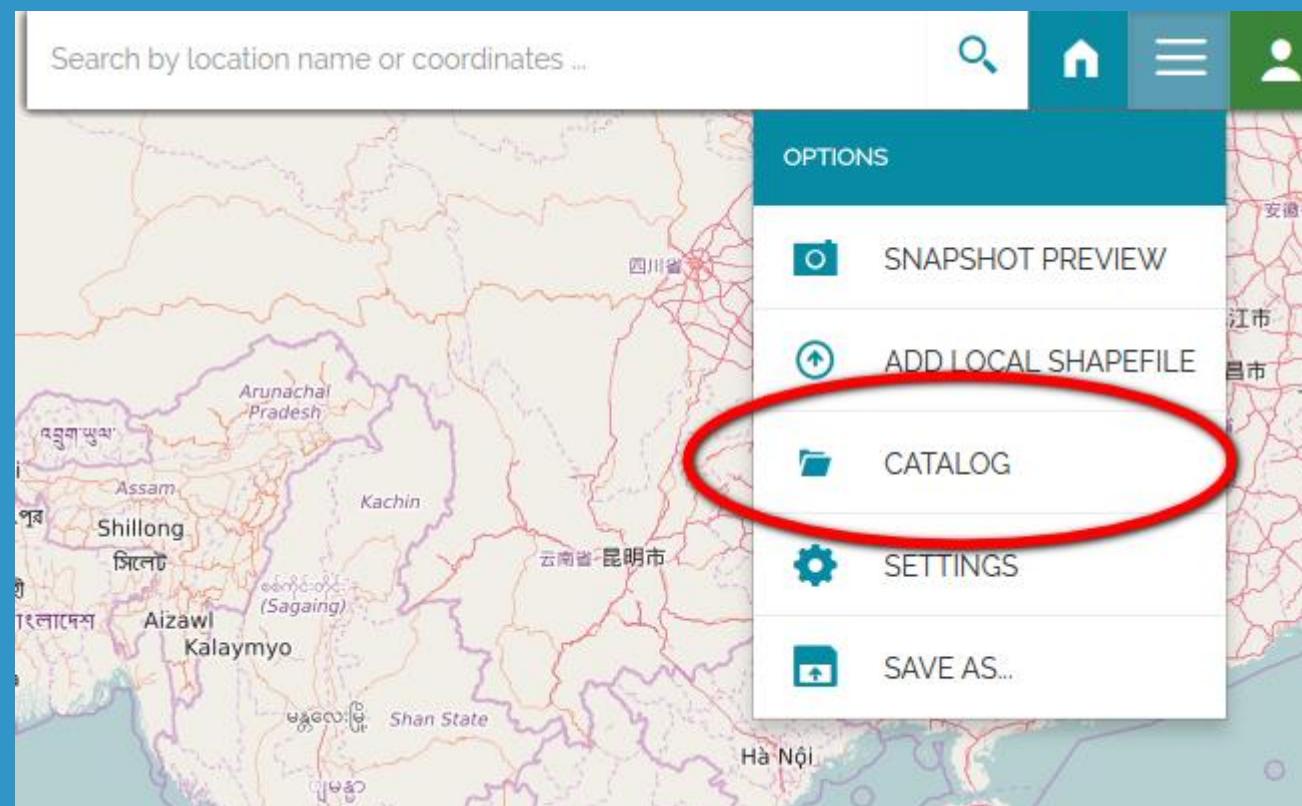
At the bottom of each thumbnail is a teal-colored footer bar with white text:

- For the first thumbnail: "MS2 GTOPO30"
- For the second thumbnail: "MS2 Regione Toscana"

Building a WebGIS



Easy map publishing

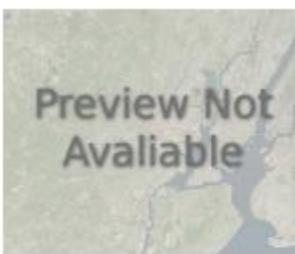




Building a WebGIS

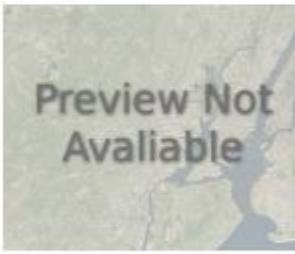


Easy map publishing



A sample ArcGrid file

+ Add To Map



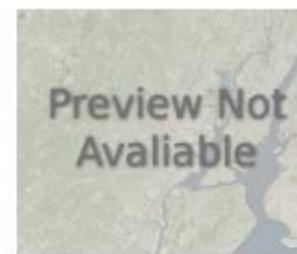
North America sample imagery

+ Add To Map

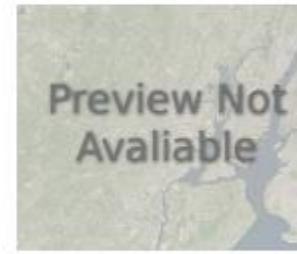


N-32-40_2000

« < 1 2 3 4 5 ... > »



mosaic



g30



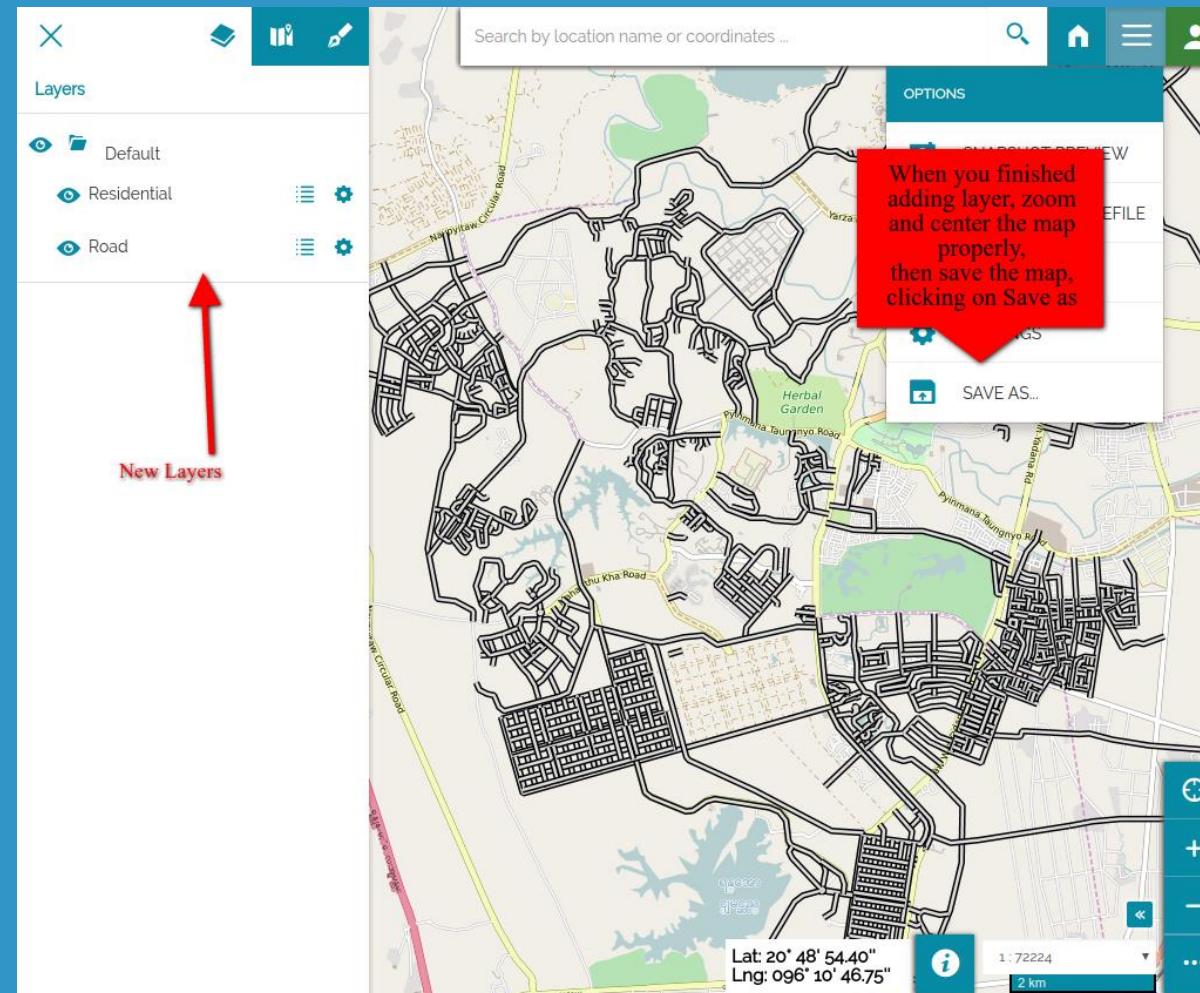
GRAY_H



Building a WebGIS



Easy map publishing

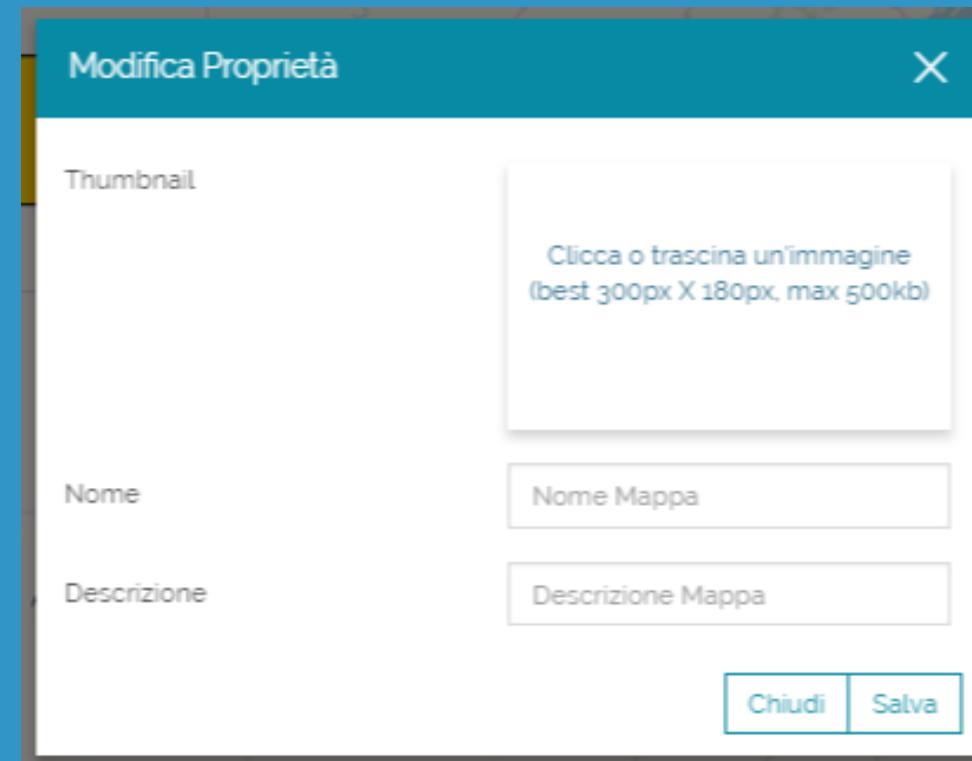




Building a WebGIS



Easy map publishing





Building a WebGIS



Easy map publishing



Permissions

CompanyTest	Can view	X
Add a rule...	Select a group...	+ Can view

New rule is added

Click on save to apply changes

Save Close

A red arrow points from the text "New rule is added" up towards the "Add a rule..." button. Another red arrow points from the text "Click on save to apply changes" to the "Save" button.



Bells and whistles



- ReactJS
 - *Declarative Programming*
 - Components and Composition
 - Configuration and Styling
- Redux
 - *Predictable State*
 - Serializable State
- Redux-observable - RxJS
 - Reactive Workflows
 - Epics



Bells and whistles



React - A *declarative* library for managing views

Redux - A *declarative functional* library for managing state

Redux-observable - A *declarative functional reactive* library for managing side effects/orchestrating actions