



GEOIDEA.RO

Swiss/Romanian geodata openness initiative
for development and economic advancement
in Romania

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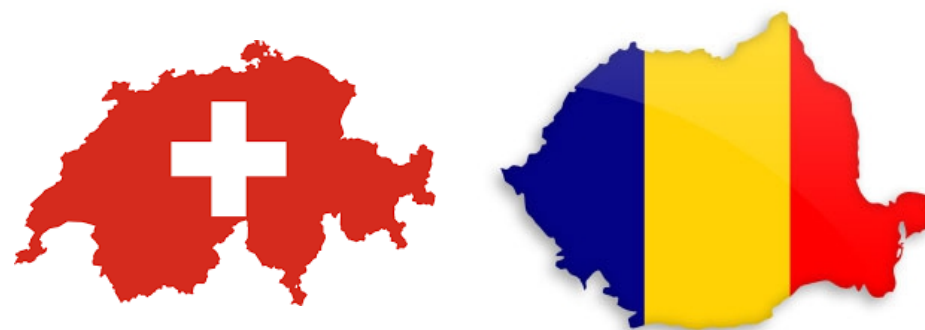
GEodata Openness Initiative for Development and Economic Advancement in Romania

A collaborative research project

Period : 3 years

(01.01.2013 – 31.12.2015)

Budget : 430.000 CHF



IKG

Institute of Cartography
and Geoinformation

ETH

Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich



Technical University of
Civil Engineering Bucharest
Groundwater Engineering
Research Center



Project team

IKG

Institute of Cartography
and Geoinformation

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Groundwater Engineering
Research Center

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Sorin Constantin

Florin Iosub

Leonard Anghel

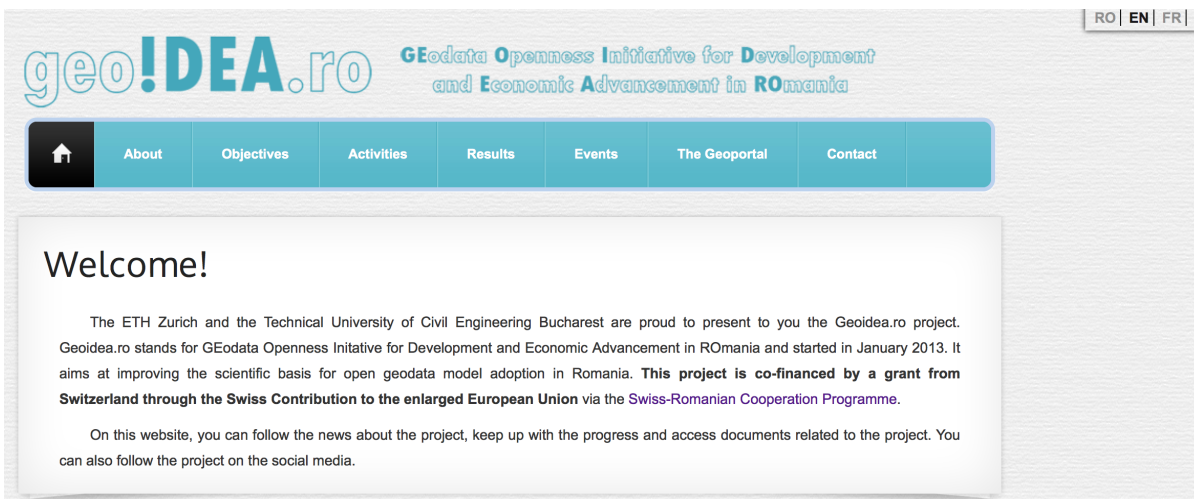


Directions

- Studies, reports, analysis
- Geoportal development
- Geodata gathering, processing and publishing
- Organizing / Co-organizing / taking part open data events:
 - Conferences
 - hackathons/ GeoHackathons
 - Workshops
 - Dissemination session meetings with public servants

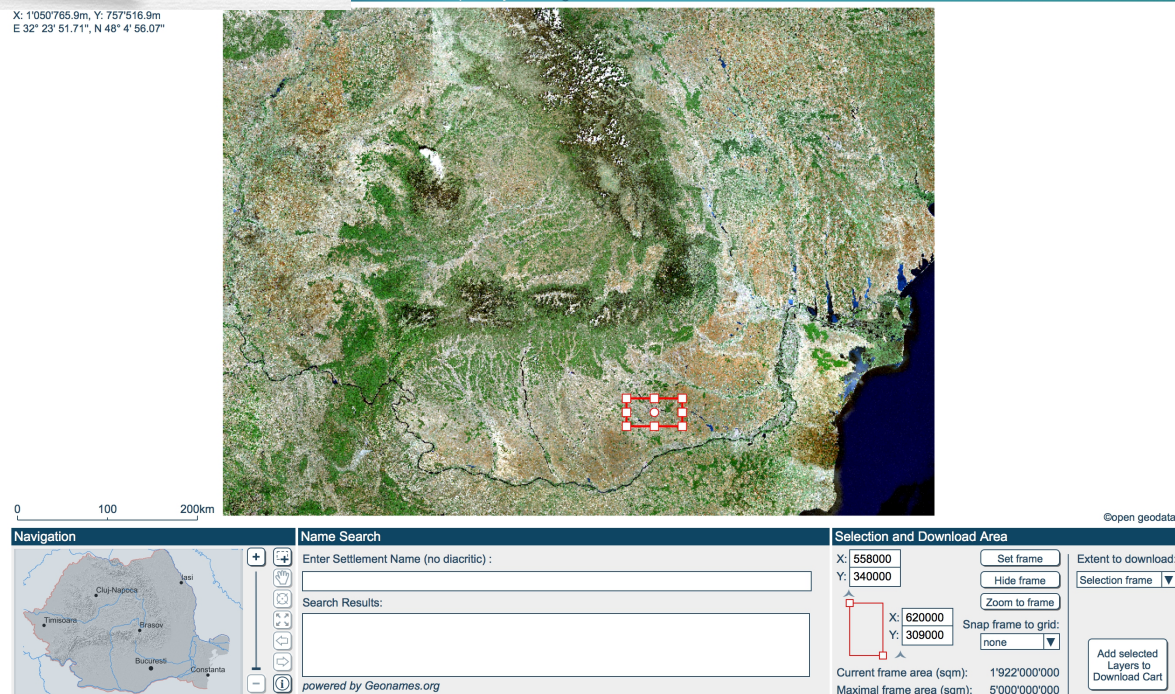


2013...



website

geoportal





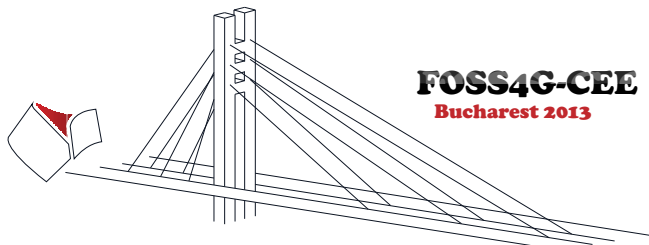
Direction -> events



7th February 2013, Kick-off meeting



Moving Forward: Open Data Discussions for an Open Romania



FOSS4G-CEE
Bucharest 2013

geo!DEA.ro

GEodata Openness Initiative for Development
and Economic Advancement in ROMANIA



geo-spatial.org

An elegant place for sharing geoKnowledge & geoData

D Departamentul pentru
Servicii Online și Design

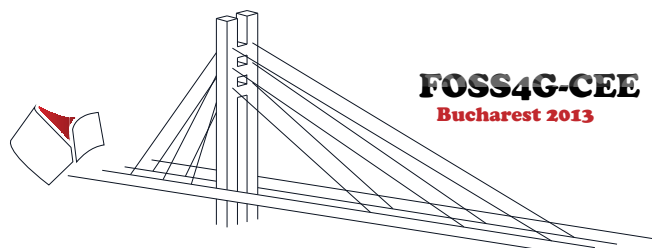


FUNDAȚIA
SOROS
ROMÂNIA





The Open GeoData Hackathon



FOSS4G-CEE
Bucharest 2013

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**FUNDAȚIA
SOROS
ROMÂNIA**



Participants – 15
Number of projects – 4



Direction → studies, reports, analysis

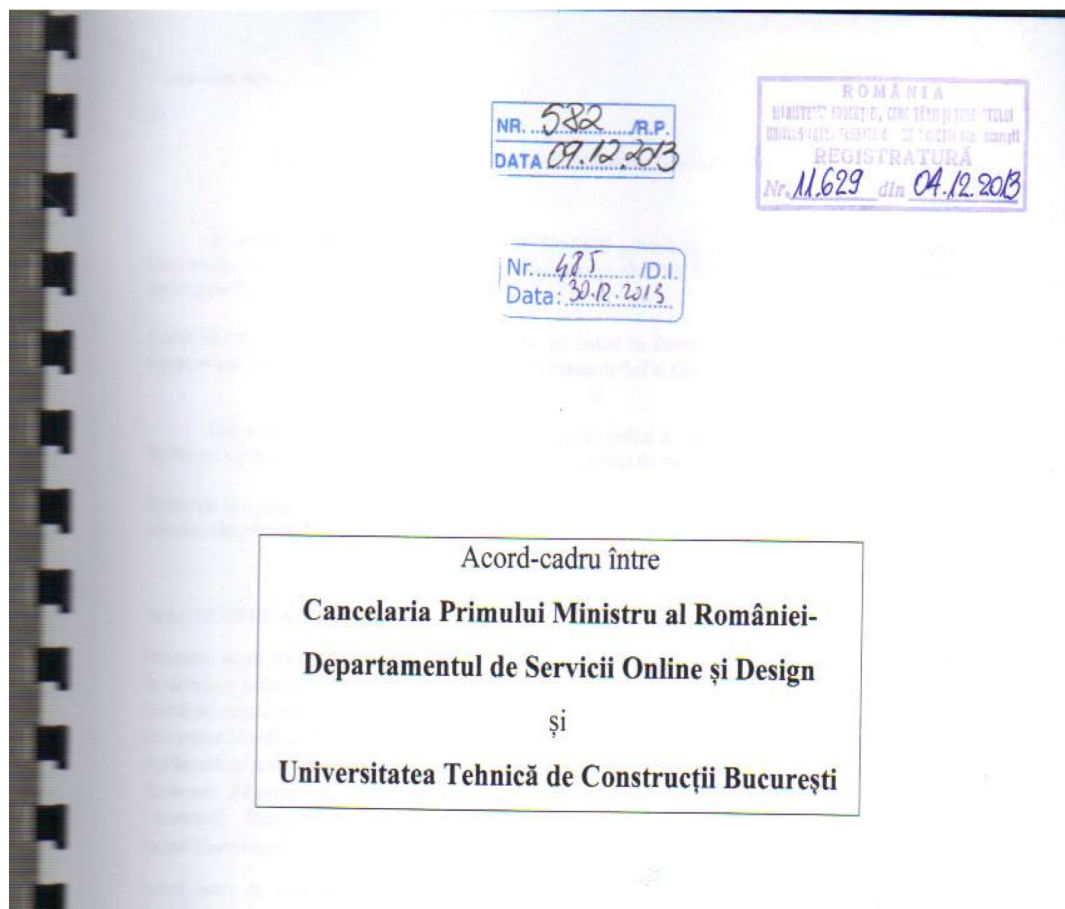
- Open data dedicate studies and analysis
 - Report on existing open data strategies
 - Report on contradictory, overlapping or inefficient geodata related legislation
 - Dissemination strategy
- Technical documents
 - Architectural and interface design document
- Lists with relevant information collected
 - List with all the legislative acts that regulate the geodata production and dissemination in Romania
 - Governmental geodata producers contact information database



2014...



Collaboration Agreement with the Romanian Government



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GEodata Openness Initiative for Development
and Economic Advancement in Romania





Open Data Coalition

Asociația geo-spatial.org

Asociația pentru Tehnologie și Internet

Fundația Ceata

Fundația Median Research Center

Fundația pentru o societate deschisă

Kosson.ro

Asociația Smart City

Funky Citizens

Active Watch

Centrul pentru Jurnalism Independent

E-Civis



Societatea Academică din România

Universitatea de Vest Timișoara

Centrul de Resurse pentru Participare Publică- Ce-Re

Expert Forum

Open Knowledge Romania

Universitatea Politehnica Timișoara

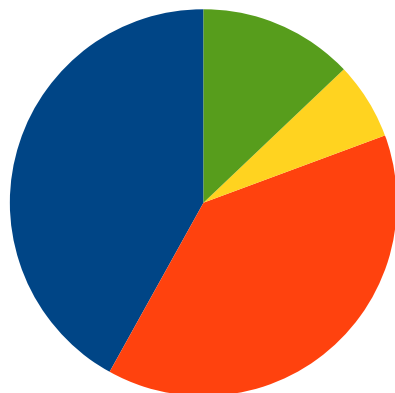


Direction → events

12 December 2014,
Workshop Open Geodata Initiative I



- Academia&Research (13)
- Public Administration and National Institutions (12)
- Private companies (2)
- Non-governmental organizations (4)



Training sessions together with DSOD and the Coalition for Open Data



PROGRAMUL DE COOPERARE ELVEȚIANO-ROMÂN
SWISS-ROMANIAN COOPERATION PROGRAMME

Open Data Hackathon (22-23 February 2014)
Open Data Day



geo!DEA.ro

Coaliția pentru
date deschise

Departamentul pentru
Servicii Online și Design

Participants: 60

Projects : 24

<http://datedeschise.ro/>

Final Meeting of the Romanian-Swiss Research Programme (RSRP) – 26 May 2016, Bucharest, Romania





Direction → studies, reports, analysis

- Open data dedicate studies and analysis
 - Report on barriers and drivers for open data policy
- Technical documents
 - Geodatabase data model
 - Implemented web services



Directions → Geodata gathering, processing and publishing

By the end of 2014, the GEOIDEA.ro geoportal offered access to **120 datasets** belonging to **24 map products**.

Sources:

- governmental
- academia
- community open geodata

Domanins:

- health sector
- agricultural sector
- demography
- hydrogeology
- protected areas
- ...

The screenshot displays the GEOIDEA.ro Geoportal interface. At the top, there is a header with the logo and the text "Geoportal powered by GeoVITs geo!DEA.ro". Below the header, the main map area shows a topographic view of the Podisul Casimnicei region in Romania, with various geographical features and place names. The map includes a scale bar (0, 5, 10km) and a coordinate system (X: 839231.5m, Y: 343370.6m, E 29° 16' 2.88", N 44° 30' 34.71").

Below the map, there is a navigation panel on the left with a map of Romania and a name search bar. The search bar contains the text "Enter Settlement Name (no diacritic):" and "Search Results:". Below the search bar, there is a selection and download area with various controls and coordinates. The selection and download area includes a "Set frame" button, a "Hide frame" button, a "Zoom to frame" button, and a "Snap frame to grid:" dropdown menu. The coordinates are X: 558000, Y: 340000. The current frame area is 1'922'000'000 sqm, and the maximal frame area is 50'000'000'000 sqm.



2015...



Directions → Events

Free our Maps session

Our session is dedicated to the importance of releasing public geodata over the Internet, under an open license and in a reusable format.

best practice guidelines for open geospatial data

Spatial Data on the Web Working Group.



The network for innovation in European public sector information

16-17 March, Timișoara, România

Open Data Priorities and Engagement
Identifying data sets for publication





FOSS4G Europe 2015



Description
Submission
Deadlines
Committee

Opendata track

Call for submissions



Open Data Track

Open Data Track welcomes projects and case studies about geospatial open data and FOSS4G tools.

Description

The scope of the Open Data Track is to provide insights on success stories, best practices and guidelines in releasing public geodata, fostering community driven geodata and developing and maintaining products, services and apps based on open geodata. Through the Open Data Track, it is aimed to bring forward and highlight for everyone how the Open Data initiative in geospatial is growing, what advantages, what controversies, what questions it brings forward to the community as well as the public and private sectors.



Roadmap to open geodata in Romania, Codrina M. Ilie¹, Nadia Panchaud²



Copernicus Conference - big data benefiting environment and society

Round table discussion on:

The impact of Big Data on the sustainable management of the Danube

Role:

to **introduce**, **describe** and **highlight** potential advantages and disadvantages of **open data** within the current challenges in the implementation of EU Danube Region.





Direction → studies, reports, analysis

- Open data dedicate studies and analysis
 - Report on FOSS solutions available to create, maintain and publish open geodata
 - Open geodata survey results
 - Interviews on open geodata



Direction → Geoportal development

GEOIDEA.RO - Metadata

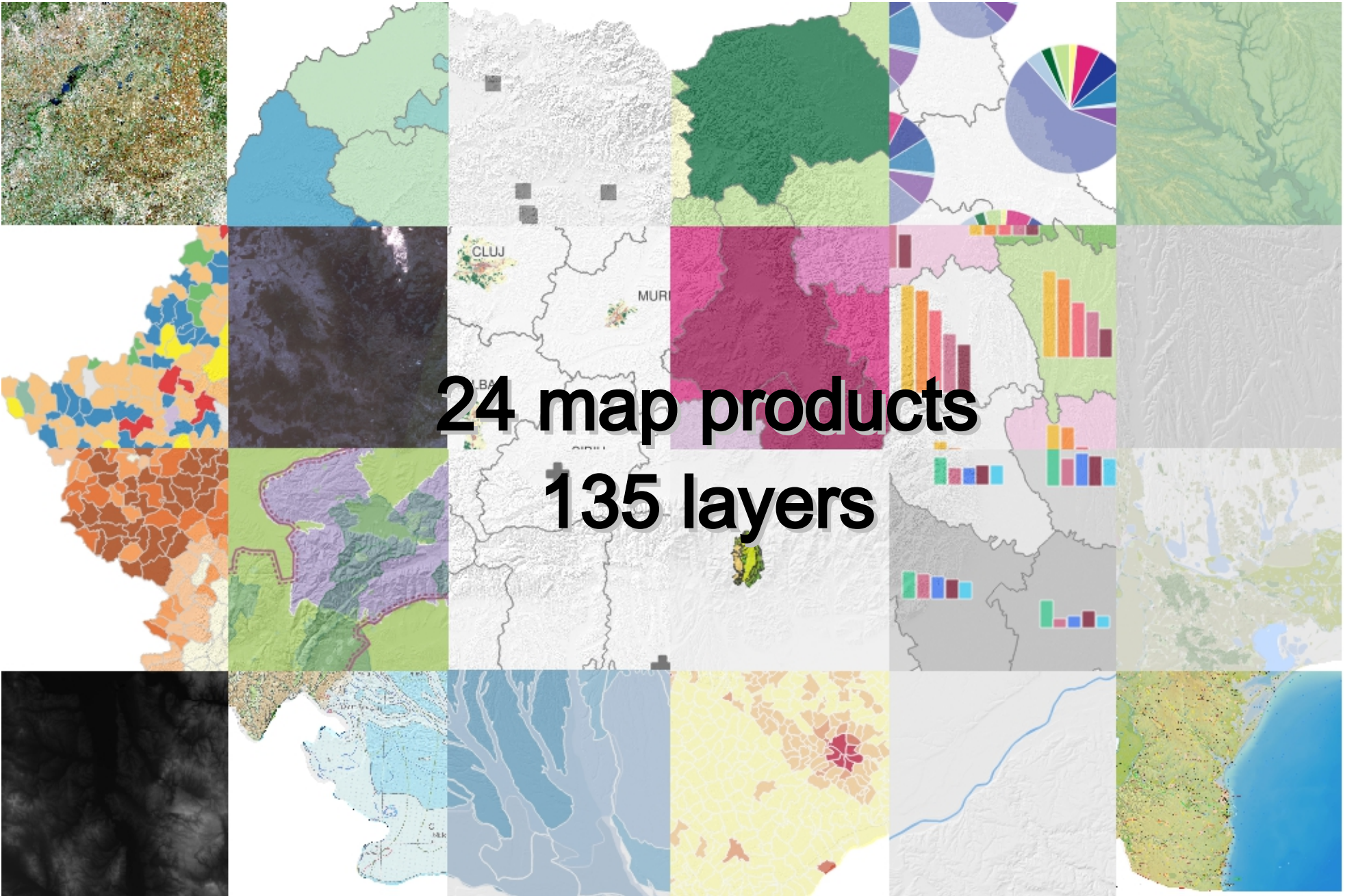
The Geoportal [About us](#) [FAQ](#) [Available Layers](#) **[Metadata](#)** [Web Map Services](#)



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Map Product: Open Street Map

Abstract	OpenStreetMap data for Romania. Last Update May 2014. Extracted frm the planet file and exported to SHP by the IKG at ETH Zurich.
Reference system	EPSG:31700
Spatial extent	xMin,yMin 90992,219404: xMax,yMax 1087390,805183
Spatial representation	vector
Format	Shapefile, DXF
Date	May 2014
Keywords	OpenStreetMap,OSM,landuse,natural,highway,waterway,highway,railway,tourism,amenities,building
Citation	It is required that you use the credit "© OpenStreetMap contributors".
Distribution	OpenStreetMap is open data, licensed under the Open Data Commons Open Database License (ODbL). You are free to copy, distribute, transmit and adapt our data, as long as you credit OpenStreetMap and its contributors. If you alter or build upon our data, you may distribute the result only under the same licence. The full legal code explains your rights and responsibilities.
Miscellaneous	Original projection system WGS84



24 map products
135 layers



GEOIDEA.RO perspectives..?





GEOIDEA.RO perspectives..?

56 projects (25605)

Total: EUR 212.746.572

UE contribution: EUR 143.155.871



29 projects (5273)

Total: EUR 101.195.273

UE contribution: EUR 96.086.373





GEOIDEA.RO technical perspectives..?

- Cartographic conflicts on geoportals
- Geodata management
- Spatial Data Infrastructures
- Open source geospatial technologies



GEOIDEA.RO technical perspectives..?

Towards an Academic SDI in Switzerland

- The GEOIDEA.RO portal is powered by GeoVITe technology
- ETH-wide Spatial Data Infrastructure operational from 2010
- Coming in 2016: Geodata4SwissEDU
 - Upscaling of GeoVITe to national level in Switzerland, funded by swissuniversities.ch



PROGRAMUL DE COOPERARE ELVEȚIANO-ROMÂN
SWISS-ROMANIAN COOPERATION PROGRAMME

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Thank you for your attention!

Final Meeting of the Romanian-Swiss Research Programme (RSRP) – 26 May 2016, Bucharest, Romania

