
ECDL-GIS

NEWSLETTER

dieci



SITO



MAIL



MAPPA (© OpenStreetMap contributors)

NEWSLETTER ECDL-GIS@LARTU

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NEWSLETTER

La **Newsletter non potrebbe vivere senza il contributo e l'entusiasmo di Tutti** coloro i quali, per un motivo o per l'altro, confrontandosi con tematiche complesse, contribuiscono - direttamente o indirettamente - a generare soluzioni.

Il nostro obiettivo è condividere, per quanto possibile, questi "flussi di informazioni".

Buona lettura!

Esami ECDL-GIS - Prossime sessioni

- 20 SETTEMBRE 2016
- 22 NOVEMBRE 2016

Altre date possono essere concordate (minimo 5 iscritti). Per informazioni si prega di visitare la URL: www.ecdlgis.polito.it o inviare una E-mail a ecdlgis@polito.it

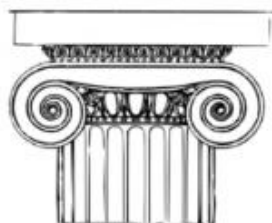
EVENTI DI INTERESSE



Associazione Italiana per
l'Informazione Geografica Libera



ArcheoFOSS/GFOSS Cagliari 2016



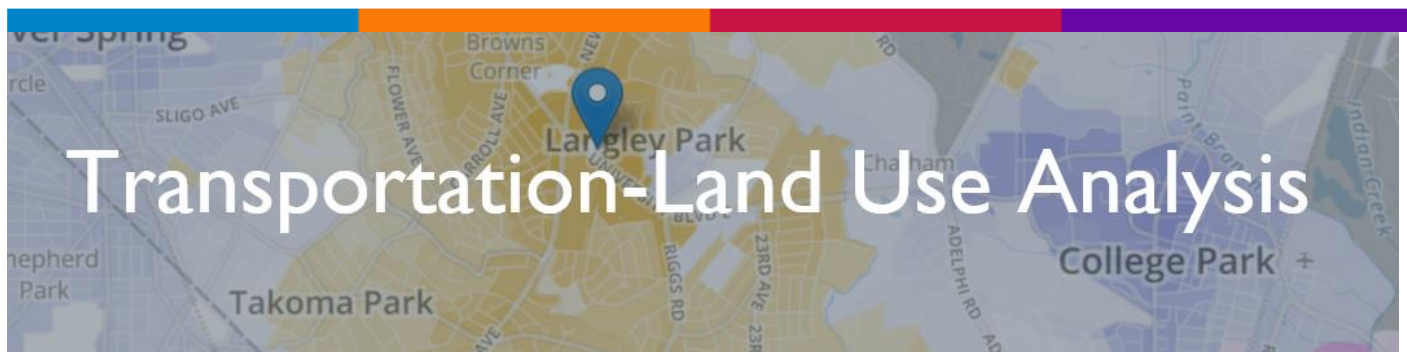
Conoscere per comunicare. Strumenti e tecnologie open per l'analisi e la condivisione del patrimonio culturale e territoriale

7-9 ottobre 2016

Dipartimento di Storia, Beni Culturali e Territorio
Università degli Studi di Cagliari

Dal 7 al 9 Ottobre 2016 si svolgerà presso il Dipartimento di Storia, Beni Culturali e Territorio dell'Università degli Studi di Cagliari il convegno *Conoscere per comunicare. Strumenti e tecnologie open per l'analisi e la condivisione del patrimonio culturale e territoriale*. Informazioni e Call su www.archeofoss.org e <http://gfosday2016.associazionegefoss.it/>

USEFUL RESOURCES



Transportation-Land Use Analysis

Evaluate the impacts of future transport and land use scenarios. Conveyal's [Modeify](#) is a multi-modal trip planner that better enables commuters to make informed traveling decisions. We analyze costs, environmental impact, time savings, and health benefits to find preferential journeys for the commuter and the community.

Modeify goes above and beyond traditional journey planners and includes bike-to-transit and drive-to-transit results while taking into account factors like wait times and the pain of a transfer.

SDI 4 APPS - UPTAKE OF OPEN GEOGRAPHIC INFORMATION THROUGH INNOVATIVE SERVICES BASED ON LINKED DATA

SDI4Apps is an EU-funded project managed by the University of West Bohemia from the Czech Republic. The project is being implemented with the concerted effort of 18 organizations across Europe. SDI4Apps seeks to build a cloud-based framework with open API for data integration focusing on the development of six pilot applications.

The project draws along the lines of INSPIRE, Copernicus and GEOSS and aspires to build a WIN-WIN strategy for building a successful business for hundreds of SMEs on the basis of European spatial data infrastructures.



OpenWind

Openwind® is a wind project design and optimization software that provides professional wind developers with the tools they need to design, analyze and optimize a wind farm. Using an intuitive GIS-based interface, users can optimize for cost of energy, assess deep array impacts, define and analyze strategies for managed shut-down of turbines, and manage uncertainty.



indiemapper

indiemapper helps you make static, thematic maps from geographic data by bringing the best of traditional cartographic design to internet map-making.

Leaflet-dvf

Leaflet Data Visualization Framework

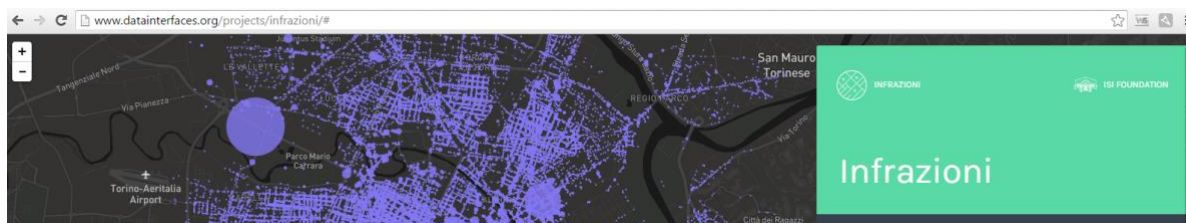
Leaflet Data Visualization Framework (DVF)

The Leaflet DVF is an extension to the [Leaflet](#) JavaScript mapping library. The primary goal of the framework is to simplify data visualization and thematic mapping using Leaflet - making it easier to turn raw data into compelling maps.

CESARE GERBINO GIS BLOG

Chi riceve un'idea da me ricava conoscenza senza diminuire la mia: così come colui che accende il suo cero dal mio riceve luce, senza lasciarmi al buio. Thomas Jefferson

Quattro milioni di verbali (open ...) su una mappa



Il progetto “Infrazioni”, usando i dati *open* delle infrazioni stradali della città di Torino, ha permesso di realizzare una web GIS application interattiva con cui si possono visualizzare ed interrogare i dati

New York City Taxi Pickups

2009–2015

New York City Taxi Drop Offs

2009–2015

Analyzing 1.1 Billion NYC Taxi and Uber Trips, with a Vengeance

An open-source exploration of the city's neighborhoods, nightlife, airport traffic, and more, through the lens of publicly available taxi and Uber data



MapD Tweetmap Demo: Interactively explore millions of geo-located tweets.

MapD is a GPU (Graphics Processor Unit)-powered database and visualization platform designed for lightning-fast, immersive data exploration that eliminates the disconnect between analyst and data. By bringing the power of GPU supercomputing to data analytics, MapD can query and visualize billions of records in milliseconds. Nothing in this demo is pre-computed or pre-rendered.



Energy2D

Interactive Heat Transfer Simulations for Everyone

Energy2D


Based on computational physics research ([1], [2], [3]), Energy2D is an interactive, visual multiphysics simulation program that models all three modes of heat transfer—conduction, convection, and radiation, and their coupling with particle dynamics. Energy2D runs very quickly on most computers and eliminates the switches among preprocessors, solvers, and postprocessors typically needed to perform computational fluid dynamics simulations. It allows you to design "computational experiments" to test a scientific hypothesis or solve an engineering problem without resorting to complex mathematics.

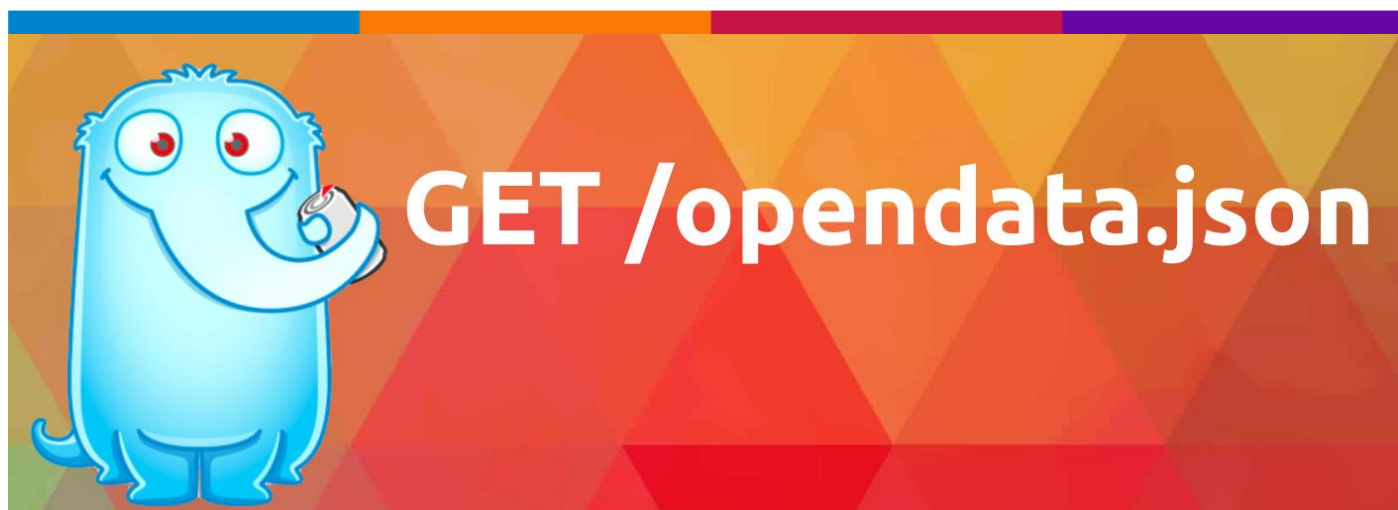


Natural Resources Canada

RETScreen

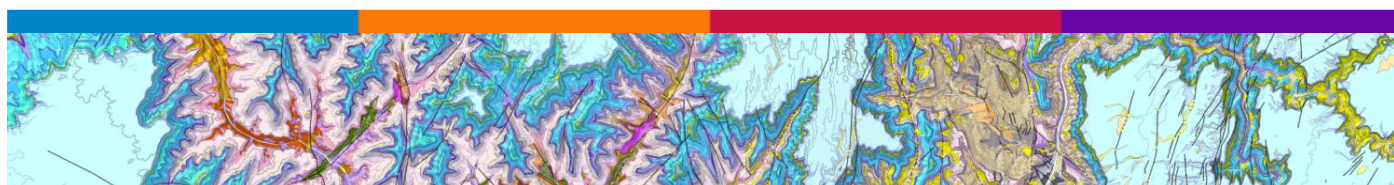
RETScreen is a **Clean Energy Management Software** system for energy efficiency, renewable energy and cogeneration project feasibility analysis as well as ongoing energy performance analysis.





Build something awesome with Open Data!

The Socrata Open Data API allows you to programatically access a wealth of open data resources from governments, non-profits, and NGOs around the world. Click the link below and try a live example right now.



Geologic Map of the Grand Canyon and Vicinity

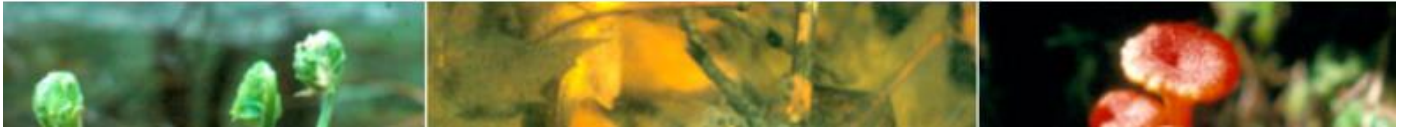


Global Forest Watch Open Data Portal (ODP)

Welcome to the Global Forest Watch Open Data Portal (ODP), where you can easily explore and download our data sets in a variety of formats. This quick walk-through will show you how to make use of some of the ODP's features.



Conservation Assessment and Prioritization System (CAPS)



The Conservation Assessment and Prioritization System (CAPS)

The Conservation Assessment and Prioritization System (CAPS) is an ecosystem-based (coarse-filter) approach for assessing the ecological integrity of lands and waters and subsequently identifying and prioritizing land for habitat and biodiversity conservation. We define ecological integrity as the ability of an area to support biodiversity and the ecosystem processes necessary to sustain biodiversity over the long term. CAPS is a computer software program and an approach to prioritizing land for conservation based on the assessment of ecological integrity for various ecological communities (e.g., forest, shrub swamp, headwater stream) within an area.

CAPS combines principles of landscape ecology and conservation biology with the capacity of modern computers to compile spatial data and characterize landscape patterns. This process results in a final Index of Ecological Integrity (IEI) for each point in the landscape based on models constructed separately for each ecological community.



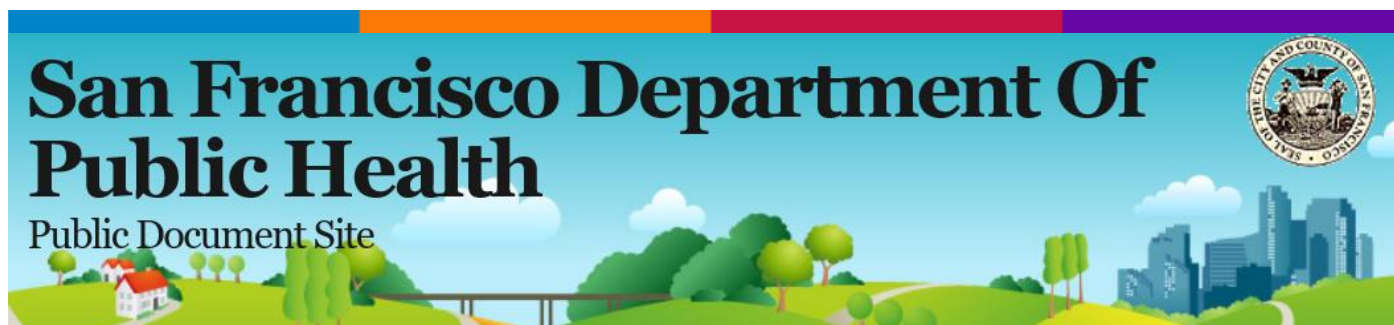
PATRN: data-driven, participatory fact mapping for conflict monitoring, investigative journalism, human rights...

European Environment Agency



Topics Data and maps Indicators Publications

EEA – DATA AND MAPS



San Francisco Department Of Public Health – GIS Data



OpenGeoCode - Catalog of Open Data Portals

invisible data

Invisible data



COLOSS
honey bee research association

Standard use of Geographic Information System (GIS) techniques in honey bee research



*Grid Analysis and Display System
(GrADS)*



COLA

Climate Dynamics PhD

GrADS

Weather Maps

Virginia Weather

Downloads

Documentation

Users Forum

GrADS Data Server (GDS)

GrADS The Grid Analysis and Display System

The Grid Analysis and Display System (GrADS) is an interactive desktop tool that is used for easy access, manipulation, and visualization of earth science data. GrADS has two data models for handling gridded and station data. GrADS supports many data file formats, including binary (stream or sequential), GRIB (version 1 and 2), NetCDF, HDF (version 4 and 5), and BUFR (for station data). GrADS has been implemented worldwide on a variety of commonly used operating systems and is freely distributed over the Internet.



OrbisGIS

OrbisGIS is a cross-platform open-source Geographic Information System (GIS) created by research and for research. It is led by CNRS within the French Lab-STICC laboratory (DECIDE team of Vannes) and licensed under GPLv3. OrbisGIS proposes new methods and techniques to model, represent, process and share spatial data, making it easy to monitor geographical territories and manage their evolution.

In a world ever-increasingly aware of its ecological footprint and the relevance of sustainable development, a systematic approach to evaluating public policies is of paramount importance. Such an approach must take into account relevant environmental, social and economic factors to facilitate efficient decision making and planning. As an integrated modeling platform containing analytical tools for computing various indicators at different spatial and temporal scales, OrbisGIS is already an indispensable instrument for many.



INTERIMAGE
interpreting images freely

INTERIMAGE - An open-source, knowledge-based framework for automatic image interpretation



DiRT – Digital Research Tool

The DiRT Directory aggregates information about digital research tools for scholarly use. It evolved from "Bamboo DiRT", a version of the directory developed by [Project Bamboo](#), which itself developed out of Lisa Spiro's DiRT wiki. The DiRT Directory makes it easy for digital humanists and others conducting digital research to find and compare resources ranging from content management systems to music OCR, statistical analysis packages to mindmapping software.

DiRT is overseen by a [steering/curatorial board](#), and supported by an [editorial board](#).

DiRT is currently undergoing a period of development that will include building APIs, and integrating with [DHCommons](#) and [Commons In A Box](#). More information and updates are available on the [development page](#).

The DiRT Directory uses a [Creative Commons Attribution license](#). By creating an account and adding content to DiRT, you're agreeing to have the same license applied to your contributions.



GeoTrellis - A geographic data processing engine for high performance applications



S.O.S. QGIS



Learn OpenStreetMap Step by Step

Learn OpenStreetMap Step by Step

OpenStreetMap is a free street level map of the world, created by an ever growing community of mappers. Anyone can edit OpenStreetMap. Here you can learn how LearnOSM provides easy to understand, step-by-step guides for you to get started with contributing to OpenStreetMap and using OpenStreetMap and using OpenStreetMap data. If you are interested in running an OpenStreetMap workshop, check out the LearnOSM trainer resources.

Imposm

Imports OpenStreetMap data into PostgreSQL/PostGIS databases.

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Imports OpenStreetMap data into PostgreSQL/PostGIS databases.



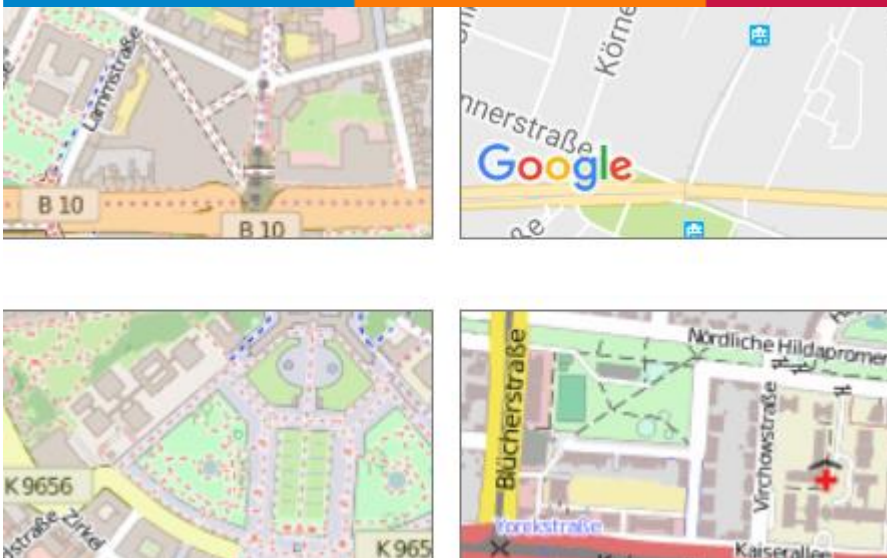
OpenStreetMap POI Export (Points of Interest)

OpenStreetMap POI Export (Points of Interest)

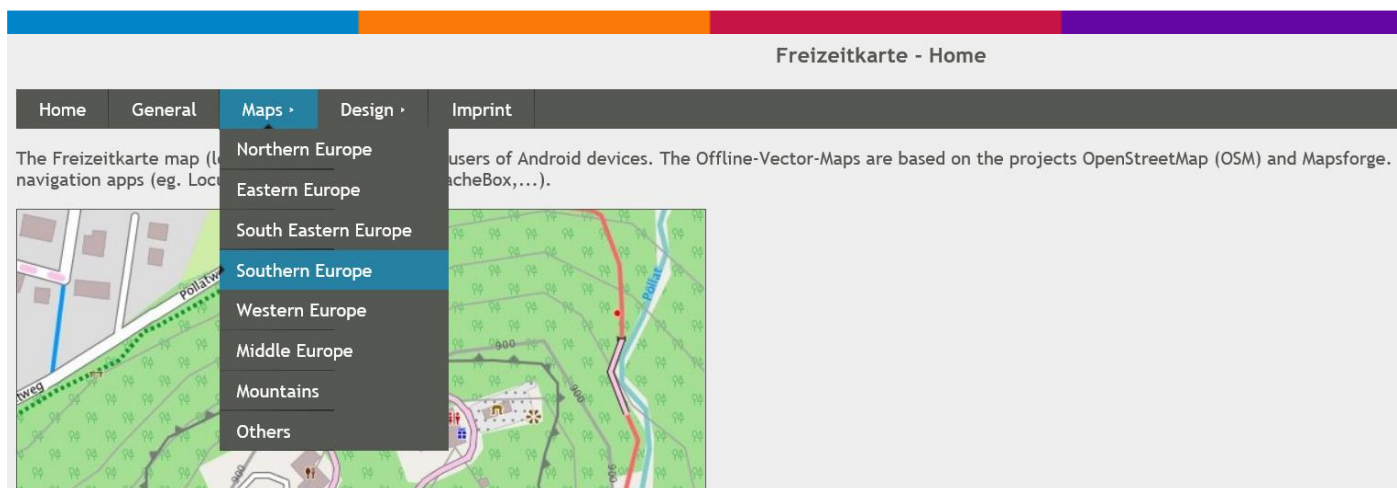
OSM2PO

osm2po-core (FreeWare)

- osm2po is both, a converter and a routing engine.
- osm2po's converter parses OpenStreetMap's XML-Data and makes it routable.
- osm2po is able to convert large sets like europe.osm.
- osm2po generates sql files for PostGIS, compatible with pgRouting and Quantum GIS.
- osm2po creates compact topology/graph files for the integrated routing engine.
- osm2po contains a simple HTTP routing server which returns CSV, GeoJson, SOAP or starts the WebTestUI.
- osm2po runs under Windows, Unix and Mac. Just make sure you have Java 6+ installed.
- osm2po does not depend on foreign Java libraries.
- osm2po's core is just one file. No installation is needed.



Map Compare

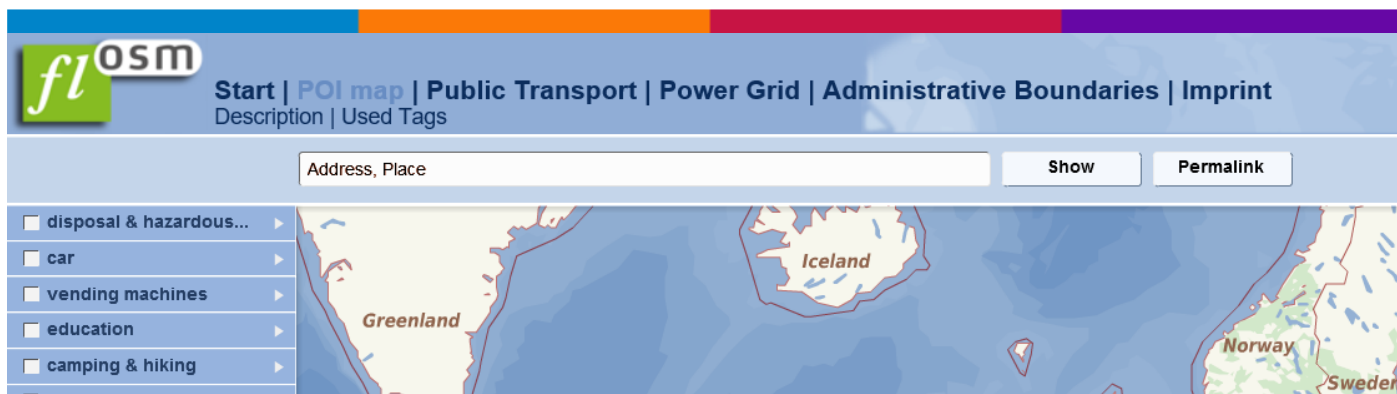


Freizeitkarte

The Freizeitkarte map (leisure map) is addressed to users of Android devices. The Offline-Vector-Maps are based on the projects OpenStreetMap (OSM) and Mapsforge. You can use them with various Android navigation apps (eg. Locus Map, OruxMaps, c:geo, CacheBox,...).



Data Consistency Checks for OSM (OpenStreetMap)



POI Map (OSM)



Using OpenStreetMap Data with Open-Source GIS



Guide to GIS Fieldwork

A Primer on Managing Spatial Data Collection in the Field

American Red Cross - A Primer on Managing Spatial Data Collection in the Field

The GIS office at American Red Cross is deeply involved in international disaster response and disaster preparedness programs throughout the world. Accurate and quality surveys to establish baseline and monitoring data allows Red Cross chapters around the world it better implement programs.

This guide provides a broad overview of some the underlying concepts behind GIS fieldwork. It also provides advice and a basic framework for carrying out a mapping and data collection project. More information and resources can be found at <http://americanredcross.github.io>.



LinkedGeoData.org

Adding a spatial dimension to the Web of Data.

LinkedGeoData

LinkedGeoData is an effort to add a spatial dimension to the Web of Data / Semantic Web. LinkedGeoData uses the information collected by the OpenStreetMap project and makes it available as an RDF knowledge base according to the Linked Data principles. It interlinks this data with other knowledge bases in the Linking Open Data initiative.

OSM SlippyMap Generator

OSM SlippyMap Generator

This page offers the possibility to create a SlippyMap based on [OpenLayers](#) and [OpenStreetMap-Tiles](#) a bit more comfortable. The generated map can then be downloaded and uploaded to your own webspace. At the moment, it is not possible to host it on this site.

Esegui

Condividi

Esporta

Wizard

Salva

Carica

Impostazioni

Aiuto

overpass turbo 

OVERPASS TURBO

overpass turbo è uno strumento web-based per l'estrazione di dati [OpenStreetMap](#).

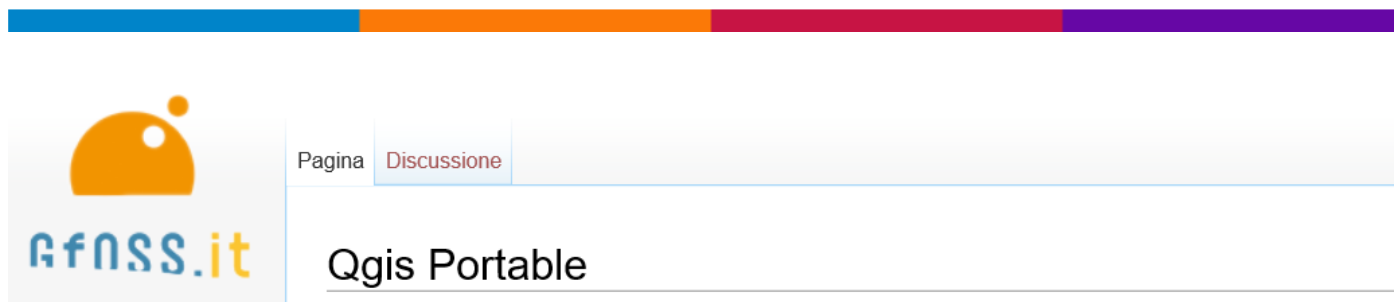
Utilizzando overpass turbo puoi eseguire query per [Overpass API](#) e analizzare dati OSM su mappa in maniera interattiva. È disponibile la procedura guidata che rende estremamente semplice creare una richiesta.

Trovi ulteriori informazioni su [overpass turbo](#) e su come scrivere [richieste a Overpass](#) visitando la wiki del progetto OpenStreetMap.



TopoMapCreator

The **TopoMapCreator** consists of of 5 Programs: **MapCreator**, **GeoToolsCmd**, **TopoMap**, **EcwToMobile** and **ExtendedMapCreator**. More information for example about how to install it, you find under TopoMapCreator.



QGIS Portable - Come realizzare la propria versione “portatile”

SoCalGIS.org

Southern California Government GIS User Group – Working together locally in GIS

SoCalGIS - Southern California Government GIS User Group – Working together locally in GIS



Getting multipolygon vertexes using PostGIS



MapFab

MapFab.com is a google maps editor. It offers you a clever way to create and share Google Maps.

RADICAL
CARTOGRAPHY

Map Projections

Introduction to GIS Using Open Source Software

Frank Donnelly, Geospatial Data Librarian, Baruch College CUNY ¹

July 2015

Introduction to GIS Using Open Source Software (PDF)

¹Creative Commons Attribution - NonCommercial- No Derivatives - 4.0 International License (CC BY-NC-ND 4.0)

How is the land used around you?

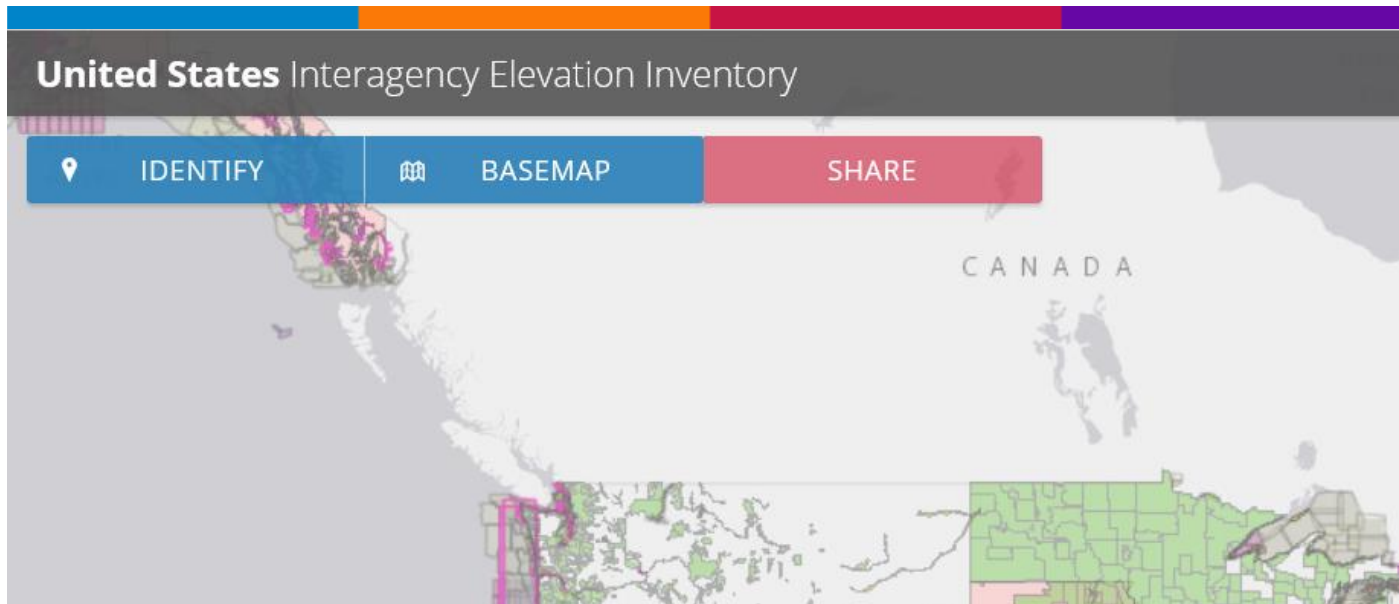
Draw a shape on the map with the tools on the left to find out. The size is limited to 30 km².

International Monetary Fund Data Mapper ®



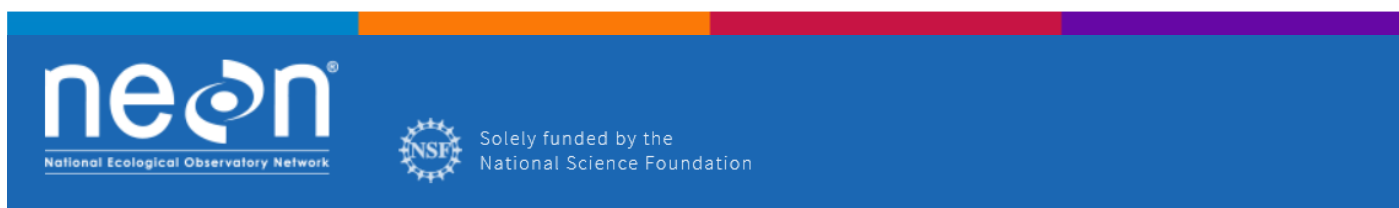
GeoPlatform

The GeoPlatform provides shared and trusted geospatial data, services, and applications for use by the public and by government agencies and partners to meet their mission needs.



UNITED STATES – INTERAGENCY ELEVATION INVENTORY

The U.S. Interagency Elevation Inventory is a comprehensive, nationwide listing of known high-accuracy topographic and bathymetric data for the United States and its territories. Use this tool to explore available elevation data in your area of interest and view basic information about the data sets.



The National Ecological Observatory Network

The National Ecological Observatory Network is a continental-scale observation system for examining ecological change over time.



Lidar Online

LiDAR Online 2.0 - Coming soon! Website under work

MyGeoData - GIS Data Converter

GIS DATA CONVERTER



Plan Piemonte – Pianificazione Collaborativa del Territorio

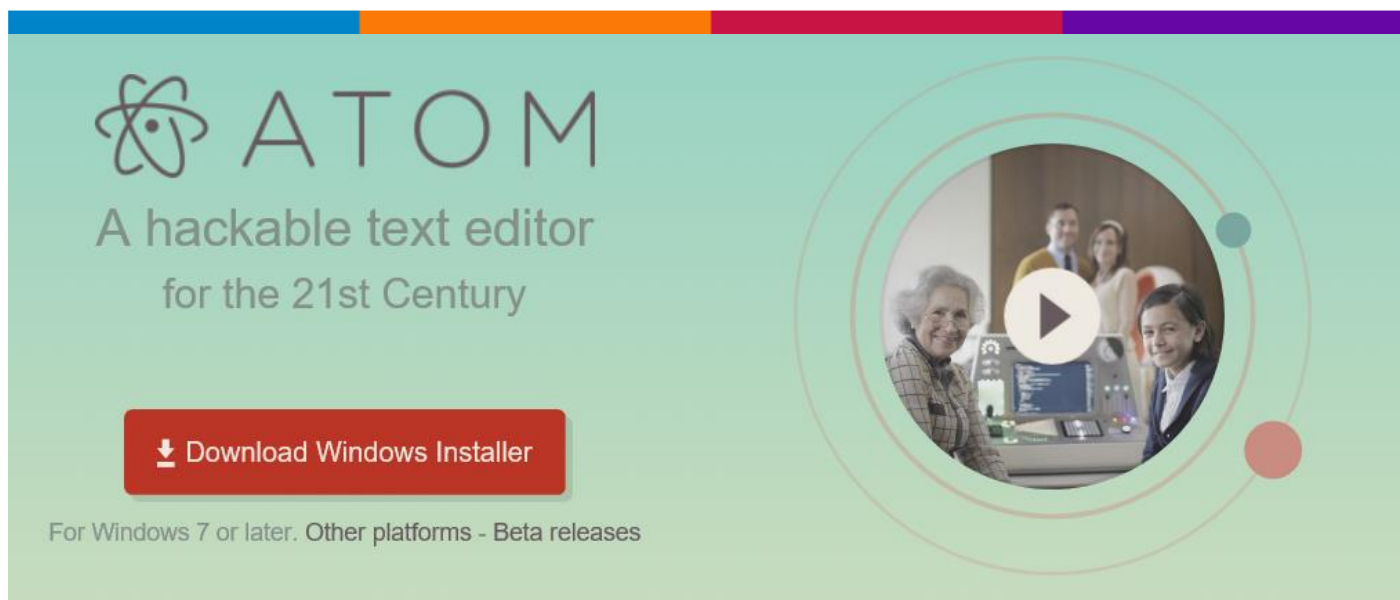
PlanPiemonte è il Portale di supporto alla Pianificazione Comunale e di consultazione e scarico della Pianificazione generale e di settore.


E' rivolto ai Professionisti, ai Tecnici dei Comuni che gestiscono i Piani Regolatori, ai cittadini, Enti ed operatori che hanno interesse a conoscere e partecipare alla copianificazione.

All Around GIS

GIS world, maps, tools and cartographic techniques

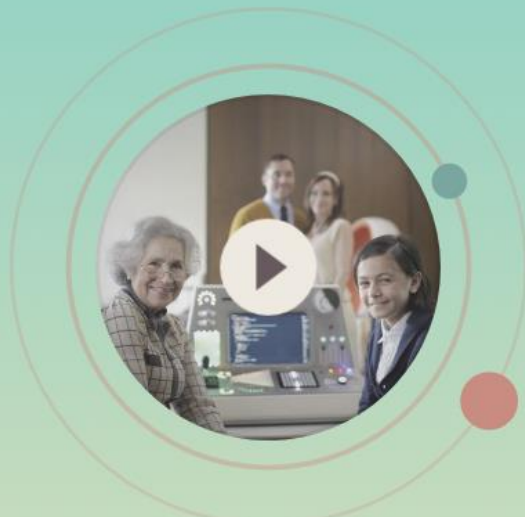
AllAroundGIS - GIS world, maps, tools and cartographic techniques (BLOG)



 **ATOM**
A hackable text editor
for the 21st Century

[Download Windows Installer](#)

For Windows 7 or later. Other platforms - Beta releases



ATOM – TEXT EDITOR

RINGRAZIAMENTI





PROSSIMA NEWSLETTER ECDL-GIS@LARTU

- - - - - > Arrivederci a fine Novembre 2016!

La casella di posta elettronica ecd-gis@polito.it è a Vostra disposizione per informazioni e/o chiarimenti sulla certificazione **ECDL-GIS**.

Allo stesso indirizzo potete segnalare eventi, risorse, strumenti... o, ancora, inviare suggerimenti (critiche...). Grazie!

Per altre informazioni, richieste o supporto tecnico su dati liberi e formati aperti, sul software libero e/o open source è possibile scrivere a [francesco.fiermonte\[at\]polito.it](mailto:francesco.fiermonte[at]polito.it)

