

ICA Commission on Open Source Geospatial Technologies

Building and Supporting “Geo for All” initiative

ICA-OSGeo MoU in Sep 2011

Over 100 labs established worldwide in 4 years

North America – 20+ labs

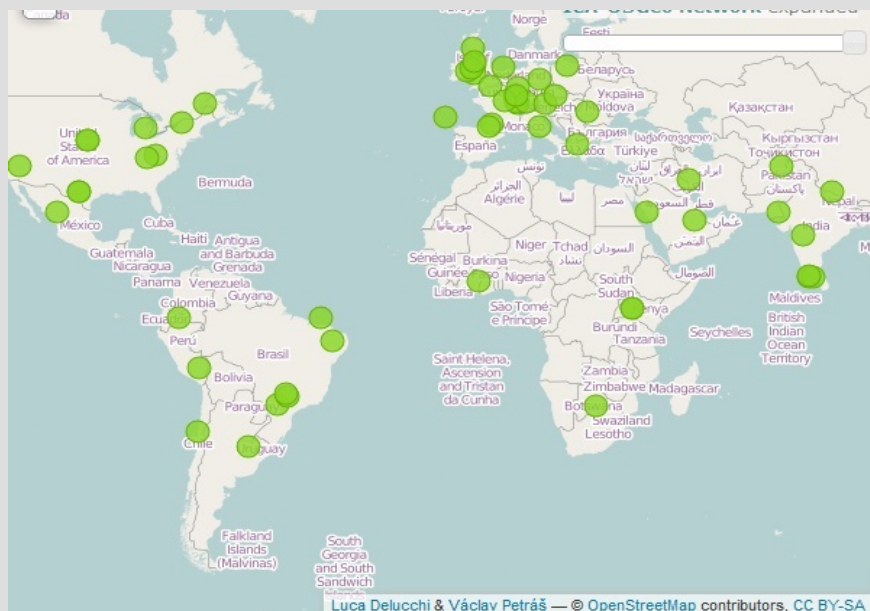
Europe – 40+labs

South America – 9 labs

Africa – 4 labs

Asia – 15 labs



Australia - 2 labs



Open Source Geospatial Labs are being established worldwide to scale up research and teaching globally as part of the ICA-OSGeo MoU


Details at <http://www.geoforall.org>

Big Picture - Open Geospatial Science is key for innovation in GIS

sci·ence  [sahy-uhns]  [Show IPA](#)

noun

1. a branch of knowledge or study dealing with a body of facts or truths systematically arranged and showing the operation of general laws: *the mathematical sciences*.
2. systematic knowledge of the physical or material world gained through observation and experimentation.
3. any of the branches of natural or physical science.
4. systematized knowledge in general.
5. knowledge, as of facts or principles; knowledge gained by systematic study.

 **EXPAND**

Ability for showing the operation of general laws is fundamental for scientific research

Geospatial Standards (for ex. OGC spec.)


OGC® "M.
Open Geospatial Consortium, Inc. **Ab**

Standards

- OpenGIS® Standards
 - Catalogue Service
 - CityGML
 - Coordinate Transformation
 - Filter Encoding
 - Geographic Objects
 - Geography Markup Language
 - Geospatial eXtensible Access Control Markup Language (GeoXACML)
 - GML in JPEG 2000
 - Grid Coverage Service
 - KML
 - Location Services (OpenLS)
 - Observations and Measurements
 - Sensor Model Language
 - Sensor Observation Service
 - Sensor Planning Service
 - Simple Features
 - Simple Features CORBA
 - Simple Features OLE/COM


Open Data

data.gov.uk ^{BETA}
Opening up government



OpenStreetMap
The Free Wiki World Map

Search [Where am I?](#)



examples: 'Alkmaar', 'Regent Street, Cambridge', 'CB2 5AQ', or 'post offices near Lünen' [more examples...](#)

OpenStreetMap is a free worldwide map, created by people like you.

The data is free to [download](#) and [use](#) under its [open license](#). [Create a user account](#) to improve the map.

Maturity of open source software (for ex. OSGeo stack)

OSGeo Projects

Web Mapping

- deegree
- Mapbender
- MapBuilder
- MapGuide Open Source
- MapServer
- OpenLayers

Desktop Applications

- GRASS GIS
- OSSIM
- Quantum GIS
- gvSIG

Geospatial Libraries

- GDAL/OGR
- GEOS
- GeoTools
- MetaCRS

Metadata Catalog

- GeoNetwork

Other Projects

- Public Geospatial Data Education and Curriculum

◆ Project in incubation

We are Global community

OSGeo中国中心实验室, 关注开源GIS, 开放地理空间数据

用户名: ***** 登录 记住我 忘记密码

开放地理空间实验室
Open Geospatial Laboratory of ICA

ICA OSGeo

文档 软件应用 地理数据 编程与开发 教育培训 资源下载 成果

热门搜索: 遥感 GIS Python 软件 编程 开源 GPS 开源GIS Linux 地图 科研 OGR GDAL 遥感监测

输入关键字 搜索

使用SRTM数据制作丝绸之路地形图

最近更新

- 教育培训, 编程与开发 | Python与开源GIS: 访问数据集...
- 新闻 | "开放地理空间实验室"成功加入ICA-OSGeo实验...
- 地理数据 | 2011年孢子沿微波辐射数据集
- 编程与开发 | 分别使用wxPython与PyQt显示Mapnik的...
- 教育培训, 编程与开发 | Python与开源GIS: 波段数据类型
- 教育培训, 编程与开发 | Python与开源GIS: 使用GDAL...
- 教育培训, 编程与开发 | Python与开源GIS: 读取GeoTI...
- 资源下载 | 软件下载: 地形图与坐标处理工具集_V1.0.1
- 编程与开发 | 开源地理数据处理软件包GDAL简介
- 文档 | OGC 与 OGC标准

分类目录

- 其他 (337)
- 地理数据 (13)

软件应用 >> 更多

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Faculty of Architecture, Building and Planning

Open Source Geospatial Laboratory

THE UNIVERSITY OF MELBOURNE



ICA-OSGeo laboratory at University of Melbourne

The University of Melbourne is home to Australia's first Open Source Geospatial Laboratory. The international open source geospatial laboratory is a joint initiative of the International Cartographic Association (ICA) and the Open Source Geospatial Foundation (OSGeo). This Australian facility will be part of a global network of open geospatial research labs known as ICA-OSGeo labs. Currently there are 22 ICA-OSGeo labs operating globally.

"The University of Melbourne is one of the top research universities in the world and has been a pioneer in Australian geospatial science research. We are delighted to collaborate with the ICA and OSGeo to create this opportunity for our students and researchers, which will encourage open geospatial teaching and related research in other universities"

- Professor Tom Kvan, Dean of the Faculty of Architecture, Building and Planning.

Vision Statement

The ICA-OSGeo lab at the University of Melbourne will promote access and use of geospatial data for evidence-based research and decision-making. This will be achieved by the provision and sharing of data and tools supporting urban issues, with a capacity for extended collaboration across multiple disciplines.

Sustainable Cities

统计分析与建模

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OpenSource GIS Summer School

©2013-12-11 08:52:22 &ostat2013lab @ Lab News 评论 #36 年收藏

OpenSource GIS Summer School will be held in Wuhan University in 2014. The maximum number for the OpenSource GIS course will be a maximum of 35. Some initial information is at <http://www.immsi.whu.edu.cn/ospscom/sis/summercamp.html>

« 上一篇 下一篇 »

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Dr.Zhang was invi... A new paper was... Dr. Zhang joined... New paper was pu...

我要评论

Contact Us
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Open Source Geospatial Lab Newcastle



About Us News & Events Research Publications Training and Education Resources People Other OSGEO labs



Open Source Geospatial Lab Newcastle

The Open Source Geospatial Research and Education Laboratory (osgeolab) is located at the [School of Civil Engineering and Geosciences](#) at [Newcastle University](#) in the North of England. The lab is run by the [Geospatial Engineering Research Group](#) but draws heavily on interactions with other research groups and partners within the University, nationally and internationally.

Our mission, as part of the OSGeo worldwide network, is to develop collaboration opportunities for academic, industrial, and government organizations in open source GIS software and data.

Find out about our Open Source Geo [Research and development projects](#), our [training and education programmes](#) in OSGeo and relevant [publications](#). Other resources and downloads that we release as Open Source can be found in the [resources](#) section.

[OSGeo/ICA Memorandum of Understanding](#)

Newcastle OSGEO lab is supported by

School of
**Civil Engineering
& Geosciences**



We are Multi disciplinary



Open source Geospatial Lab KU



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Sitemap
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Home
edited by Shashish Maharjan (civil)
View All

Home

Welcome to Opensource Geospatial lab Katt University

First Open Source Geospatial Laboratory in Nepal is located at Kathmandu University, Depart Engineering. Our mission is to follow OSGeo/ICA Memorandum of Understanding by support geospatial software technologies, training and expertise.

The lab is run by members of Civil and Geomatics Engineering.

Our goal is to provide training, education and to support development of open source geospatial data. We work to create opportunities for academia, industry and government in open source GIS mission "Making geospatial education and opportunities accessible to all".

Find more on [OSGeo Labs](#) mission and resources.



Tasks & Actions

Action items



Recent Updates




Calendar

Imports

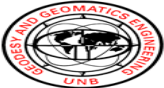


Tutor



Geodesy and Geomatics Engineering

University of New Brunswick, Fredericton, NB, Canada



Geo For All

Dr. Stefanakis' research team is proud to be part of [ICA-OSGeo Labs](#) by supporting the mission: "Making geospatial education and opportunities accessible to all." This page provides access to a list of resources combining the potential of e-learning tools and open source geospatial software to strengthen education and research in GIScience.

Teaching Resources

Title	Geospatial Web - Course Syllabus (2 courses)
Type	Course syllabus description in paper form.
Resources	Stefanakis, E., 2013. Introducing Geographers to Web Mapping and Geospatial Web . In the Proceedings of the Annual Canadian Institute of Geomatics Conference, Toronto, Canada.

Title	Map Mashups and Web Mapping Services (Lab Exercises)
Type	Lab Exercises (samples)
Resources	McGrath, H., and Stefanakis, E. 2013. Map Mashups and Web Mapping Services (Lab Exercises) . GGE, University of New Brunswick. Funded by UNB - TLP Fund.

GIS&T Applications

Title	"Troy is ours - How on earth could Clytemnestra know so fast?"
Application URL	http://gaia.gge.unb.ca/troyisours
Resources	Tienaa, T., and Stefanakis, E., 2014. "Troy is ours - How on earth could Clytemnestra know so fast?". In the Proceedings of the 17th AGILE Conference on Geographic Information Science, Castellon, Spain. [pdf]

Title	Historical Maps of Grand Lake Meadows, New Brunswick, Canada
Application URL	http://gaia.gge.unb.ca/glm/en/index_en.html
Resources	McGrath, H., 2013 (MScE): Historical Maps of Grand Lake Meadows .

Title	Historical Maps of Fredericton, New Brunswick, Canada
Application URL	http://gaia.gge.unb.ca/wsp/maps/index.html

deutsch | eng

Hochschule für Technik
Stuttgart

Hochschule

Studienbereiche

- Architektur und Gestaltung
- Baugewesen
- Bauphysik
- Informatik
- Mathematik
- Vermessung
- Wirtschaft
- Studium
- Studienförderung
- Einrichtungen
- International
- Unternehmenskontakte
- Forschung
- Akademie
- Qualitätsmanagement

Facilities and Laboratories

HFT ICA-OSGeo-Lab

Labor für interoperable, quelloffene Geoinformatikanwendungen, Open Data und Standards <<

Laborleiter:
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Telefon +49 (0)711 8926 2609
Telefax +49 (0)711 8926 2556
franz-josef.behr@hft-stuttgart.de
Skype / Twitter: fjbhr

Laborbeschreibung

Das Labor untersucht und fördert die Nutzung quelloffener Geoinformatikanwendungen und frei verfügbarer Geodaten und ist konzipiert als flexible Ergänzung zu den Standard-GIS-Installationen in den Räumen des Rechenzentrums und der Fakultät. Es nutzt einen zentralen Server, auf dem die Softwarepakete sowie Arbeitsumgebungen für die studentische Ausbildung sowie Forschungsaufgaben eingerichtet werden.

Für den Einsatz in studentischer Lehre und Praxis werden die vorhandenen PC-Räume des Informationszentrums als Arbeitsplätze genutzt.

Der Einsatz in der Lehre geschieht in folgenden Studiengängen und Modulen:

- Bachelor Vermessung und Geoinformatik >>
Module Informationstechnologien für raumbezogene Daten, Ausgewählte Kapitel der Geoinformatik, Integriertes GIS-Projekt sowie Abschlussarbeiten
- Bachelor Informationslogistik >>
Modellierung, Technisches Kommunikationsmanagement sowie Abschlussarbeiten
- Master Photogrammetrie und Geoinformatik >>
Scientific Skills and Media Competence, Customisation, Internet GIS, Visualisation, Geodata: Capture, Sources and Standards sowie Abschlussarbeiten
- Master Vermessung >>
Masterarbeiten

Kontakt

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Zimbra (Oracle Beehive)
OWA (MS Exchange)

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Mitarbeiter | Externe

Geodätisches Messlabor
Labor für Geodätische Datenverarbeitung
Labor für Ingenieurmesstechnik
HFT ICA-OSGeo-Lab
Labor für Interpretation und Messung bildgebender Sensoren (LIMES)



GEODETSKI FAKULTET

UNIVERSITY OF ZAGREB

FACULTY OF GEODESY

You are not logged in. (Login)

English (en)

Open Source Geospatial Lab at University of Zagreb, Faculty of Geodesy

About Us

First Open Source Geospatial Laboratory in Croatia is located at University of Zagreb, Faculty of Geodesy. Our mission is to follow OSGeo/ICA Memorandum of Understanding by supporting development of open-source geospatial software technologies, training and expertise.

The lab is run by members of Institute for Geomatics and Institute for Cartography and Photogrammetry and is strongly connected with partners (see [Collaboration](#) and [People](#)).

Our goal is to provide training, education and to support development of open source geospatial data. We work to create opportunities for academia, industry and government in open source GIS to support OSGeo Labs mission "Making geospatial education and opportunities accessible to all".

Find more on [OSGeo Labs](#) mission and resources.

OSGeo/ICA Memorandum of Understanding

The Open Source Geospatial Foundation (OSGeo) and the International Cartographic Association (ICA) have signed a [Memorandum of Understanding](#) for developing global open source GIS software and data collaborations for academic, industrial, and government organizations. The MoU aims to provide expertise and support for the establishment of Open Source Geospatial Laboratories and Research Centres across the world for development of open-source geospatial software technologies and training. Laboratories are being established in Asia, Europe, Africa, the Americas and Australasia which will act as nodes for future expansion of the worldwide network.



Global Environment, Stakeholder's Profile and Corporate Governance in Geodesy

1st International Interdisciplinary Scientific Conference
October 3-5, 2014
University of Zagreb, Faculty of Geodesy

Upcoming events

[Sjednica Fakultetskog vijeća](#)
Tomorrow, 12:00

[Sjednica Fakultetskog vijeća](#)
Thursday, 11 September, 12:00

[Go to calendar...](#)

We are all passionate about Cartography

Malaysia Campus

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University of Nottingham, Malaysia > School of Geography > Research > Geospatial Science > OSGEO lab

School of Geography

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OSGEO lab



The Open-Source Geospatial Research lab was established late 2011 following the MoU signed between International Cartographic Association (ICA) and OSGEO foundation. It was the first of its kind in Southeast Asia and is playing its active role in promoting the similar establishment in the region.

Activities

- Researches on development and deployment of open-source geospatial resources in various applications.
- Develop open-source geospatial material for education and training.
- Promote open-source geospatial technologies applications in Malaysia and the region.

Current projects

- Deployment of OSGEO tools in teaching and learning (on-going, School of Geog)
- Remote sensing image understanding services on cloud-computing platform (or
- Remote sensing data synergy for monitoring large-scale construction projects (or
- Terra SAR-X for monitoring large-scale construction projects (on-going, DLR)
- Crowd-sourcing interactive quality data assessment (on-going, CFFRC)
- Unmanned Aerial Vehicle (UAV) intercropping mapping (on-going, CFFRC)
- Urban growth monitoring with multi-scale remote sensing approach (completed)
- Multi-scale remote sensing disaster recovery monitoring (completed, GeoGRID,



ICPAD

IGAD CLIMATE PREDICTION AND APPLICATIONS CENTER
"Fostering Climate Prediction and Applications"

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ICPAD PRODUCTS AND BULLETIN

- 10 day Bulletin
- Monthly Bulletin
- Climate Watch
- Newsletter

STATUS OF THE CLIMATE

- WMO Update: Prepare for El Niño
- EL NIÑO/LA NIÑA UPDATE
- High Impact Weather
- El Nino Southern Oscillation Watch (EN)
- El Nino Southern Oscillation Watch (FR)
- Heavy Rainfall/ Flood Risk
- ITCCZ/ITD
- SST Indices
- ITCCZ/ITD

FORECAST



BACKGROUND

In 1989, twenty four countries in Eastern and Southern Africa established a Drought Monitoring Centre (DMCN) and a sub centre in Harare (Drought Monitoring Centre Harare) to monitor and report on drought related disasters. In October 2003, the Heads of State and Governments of the Development (IGAD) held their 10th Summit in Kampala, Uganda, where DMCN was

ICA-OSGeo OSL at ETH Zurich

Home : [Team](#) : [Training](#) : [Research](#) : [Cooperation](#) : [Contact](#)

Welcome to ICA-OSGeo Open Source Laboratory at ETH Zurich

Quality open source training and software for Cartography and GIS



The Open Source Geospatial Laboratory (OSGL) at ETH Zurich is a joint initiative of the [International Cartographic Association \(ICA\)](#) and the [Open Source Geospatial Foundation \(OSGeo\)](#).

In September 2011, the International Cartographic Association (ICA) and the Open Source Geospatial Foundation (OSGeo) signed a Memorandum of Understanding ([full text here](#)) with the aim of developing on a global basis collaboration opportunities for academia, industry and government organizations in open source GIS software and data.

The OSL at ETH Zurich is actively implementing this memorandum with the vision to support the development of open-source geospatial software technologies, training and expertise. It also aims to provide support for increasing the number and quality of open source teaching and training materials for Cartography and GIS. As a proud member of the [ICA-OSGeo Network](#), the ETH Zurich OSL is focusing on Education, Open Geodata and on Cartographic and Geospatial Research. Additionally we are participating in the [ICA Commission on Open Source Geospatial Technologies](#) and through the [Institute of Cartography and GeoInformation](#) we are an associate member of the [Open Geospatial Consortium](#).



Acknowledgements

The ICA-OSGeo Open Source Geospatial Laboratory is kindly integrated in the [Institute of Cartography and GeoInformation](#).

Links



NCSU OSGeoREL

[Overview](#) [Projects](#) [Software](#) [Courses](#) [Publications](#) [Contact](#) [About](#)

Open Source Geospatial Research and Education Laboratory

The NCSU OSGeo Research and Education Laboratory (NCSU OSGeoREL) is located at the [North Carolina State University, Center for Geospatial Analytics](#) in Raleigh, NC, USA. We are part of the worldwide network of ICA-OSGeo laboratories following the motto [Geo for All](#). As one of the founding laboratories we are the central node for North America.

Our mission is to develop collaboration opportunities for academic, industrial, and government organizations in free and open source GIS software and data.

Follow us on [Google+](#), [YouTube](#) and [GitHub](#).

Offered courses

Through our [GIST program](#) we offer interdisciplinary, graduate level courses on geospatial analysis and modeling. Students are taught the fundamentals and methods in a software independent way by using both open source and proprietary tools. Go to [courses](#) and find out more.

People

Faculty:

[Helena Mitasova](#), [Laura Tateosian](#), [Ross Meentermeyer](#) ([home page at FER](#))

Graduate students and visiting scholars:

[Anna Petrasova](#), [Vaclav Petras](#), [Emily Russ](#), [Brendan Harmon](#), [Keren Cepero](#), [Nathan Lyons](#), [Paul Paris](#)

Former graduate students and visiting scholars:

[Eric Hardin](#), [Katie Weaver](#), [Margherita di Leo](#), [Eva Stopkova](#)

If you want to become a member of NCSU OSGeoREL or you feel as a part of it and you are not listed here, please do not hesitate to [contact us](#).

Our Mission

Making Geospatial
education

accessible to all

“Geo for All”

Why - Social Responsibility

Making resources including software and data openly available offers an opportunity for knowledge to be shared widely so as to increase learning opportunities.

Example – Collaborating with educational initiatives like gvSIG Batoví



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Thanks to all colleagues in the “Geo for All”
initiative

