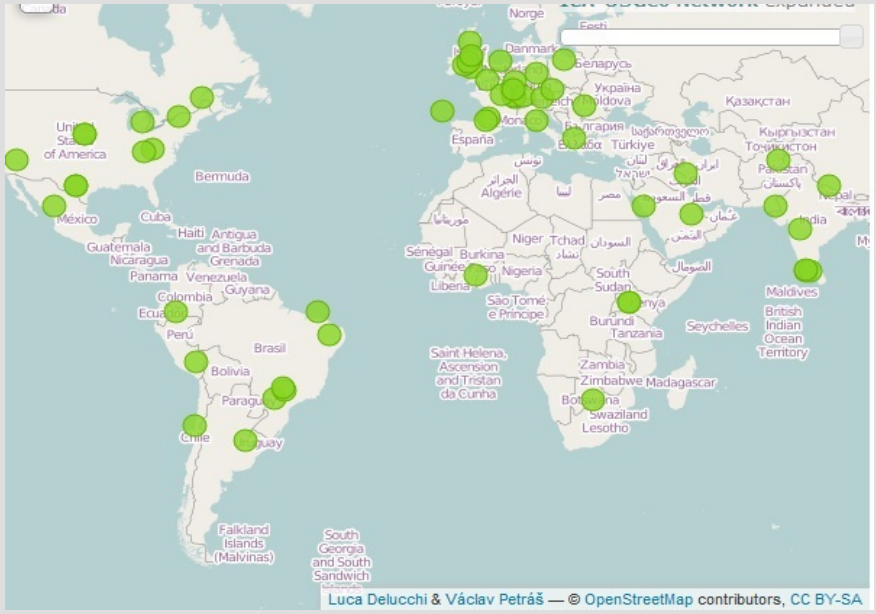
International Cartographic Association
Association Cartographique Internationale

ICA Commission on Open Source Geospatial Technologies

Building and Supporting “Geo for All” initiative



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

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

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

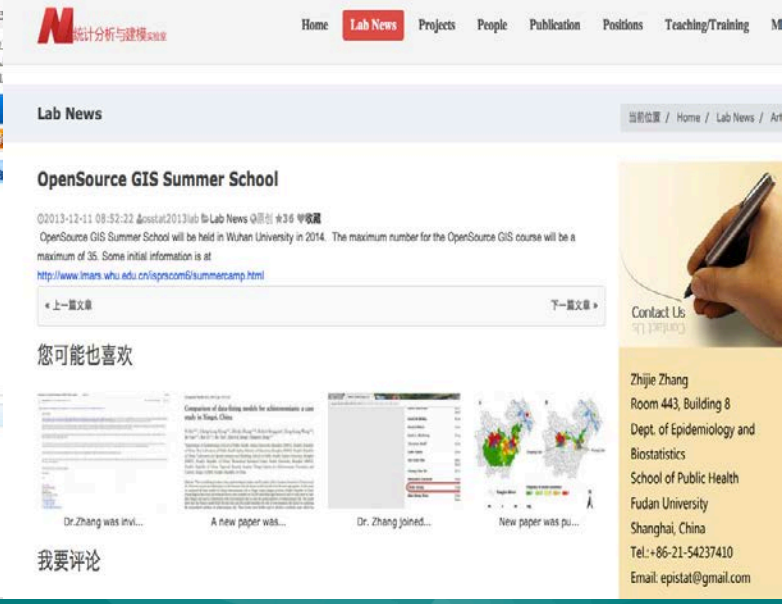
Geospatial Standards (for ex. OGC spec.)

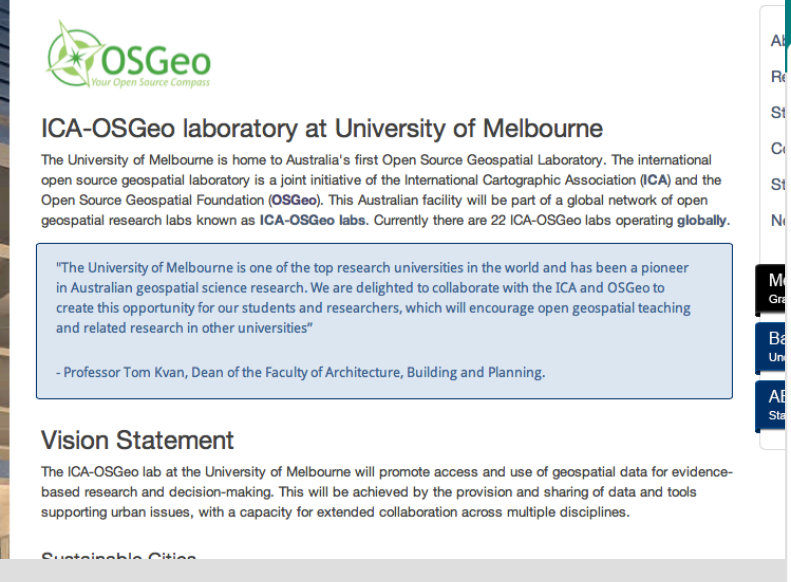
Open Data

data.gov.uk BETA
Opening up government

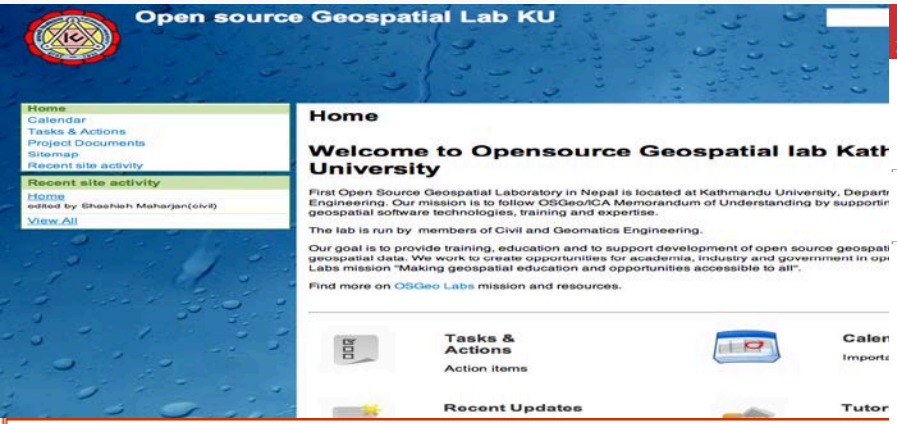
Maturity of open source software (for ex. OSGeo stack)

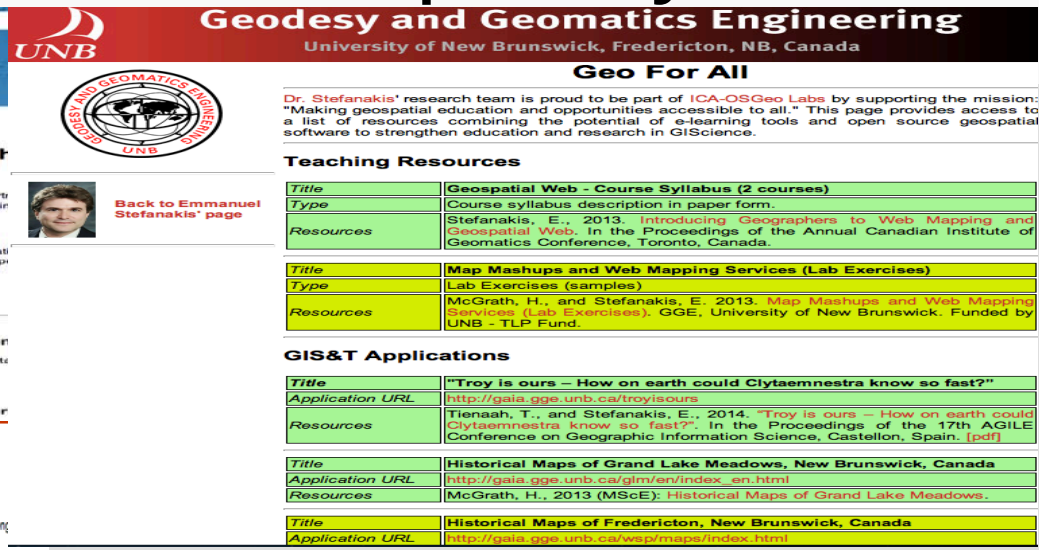
We are Global community





We are Multi disciplinary





We are all passionate about Cartography

Malaysia Campus

Home | Study | Student life | Schools and departments | Research and bus

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

School of Geography

- Welcome
- Courses
- Careers
- Research
- Water Resources
- Tropical Conservation Ecology
- Geospatial Science
- Research Students
- Student experience
- Make an enquiry
- People

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 (
- 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,

ICA-OSGeo OSGL 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 OSGL 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 OSGL is focusing on Education, Open Geodata and on Cartographic and Geospatial Research. Additionally we are participating in the 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

ICPAC

IGAD CLIMATE PREDICTION AND APPLICATIONS CENTER

"Fostering Climate Prediction and Applications"

Home | Products | Data Portal | WMO RCC | MESA | African Drought Monitor | Applications | About Us | Chec

ICPAC PRODUCTS AND BULLETIN

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

STATUS OF THE CLIMATE

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

FORECAST

BACKGROUND

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

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 Meentemeyer (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

gvSIG BATOVÍ

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International Cartographic Association
Association Cartographique Internationale

ICA ACI

isprs
information from imagery

OSGeo
Your Open Source Compass

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

http://www.geoforall.org