OSGeo in a global context

Astrid Emde (OSGeo Board from Cologne Germany)

FOSS4G Belgium 2019 Brussells
How OSGeo is connected to a hat and a tie ribbon

Astrid Emde (OSGeo Board from Cologne Germany)

FOSS4G Belgium 2019 Brussels
Open Source Geospatial Foundation
Open Source Geospatial Foundation
Free, Open, Self-organizing, Global
I work with

Software

since 2003
focus on WebGIS & Webmapping
consultancy & training
I am lucky

because at

WhereGroup

we work a lot with

& ...
### Mapbender Demo Map

#### Toolbar

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#### Sidebar

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I am involved in

since 2006
Charter Member since 2010
OSGeo Board since 2017, OSGeo Secretary
Marketing, Outreach, OSGeoLive, Conferences and Sprints
What is OSGeo

- OSGeo is a not-for-profit software foundation providing organizational, legal, and financial support for projects

- OSGeo is volunteer driven
  Passionate membership of individuals from around the world

- OSGeo promotes adoption of open geospatial technology
  Partnerships on open approach to software, standards, data and education.
Service providers

Open source is supported by a broad ecosystem of service providers providing you with supplier-independence. To encourage sustainability our project teams have identified contributors, to be listed first in search results.
OSGeo history

- Established in 2006 at a meeting in Chicago, IL with financial support from AutoDesk

- Driven by need to organize and navigate rapidly growing field of open source geospatial projects
Supporting Open Source Software development
OSGeo projects

Projects are the OSGeo core focus
25 graduated through a rigorous incubation:

- **Web Mapping**: deegree, Geomajas, GeoMoose, GeoServer, Mapbender, mapfish, MapServer, MapGuide Open Source*, OpenLayers, PyWPS
- **Desktop**: GRASS GIS, gvSIG Desktop, Marble, QGIS Desktop
- **Libraries**: GDAL/OGR, GEOS, GeoTools, Orfeo ToolBox
- **Spatial Database, metadata catalogs, other**: GeoNetwork, GeoNode, OSGeoLive, PostGIS, pycsw
OSGeo projects

20 Community projects, 6 are in incubation (*)

- **Libraries:** actinia, Pronto Raster, Proj*, FDO, Pronto Raster, OSSIM, pgRouting
- **Web Mapping:** istSOS*, ZOO-project*, Oskari*, GeoWebCache, GC2/Vidi
- **Desktop:** OSGeo4W, Opticks*
- **Other:** GeoServer Client PHP, MetaCRS*, Loader, GeoHealthCheck, Portable GIS, TEAM Engine*
OSGeo projects governance

- Project graduation checklist
- Provenance documents for each graduated project
- Independently run by a Project Steering Committee
- Annual status reports to OSGeo board
- OSGeo manages contributor agreements
OSGeo Annual General Meeting
AGM every year at FOSS4G

Link to AGM 2019 video
OSGeo Board

9 elected board members

Board of directors:

Officers:

→ President
→ Secretary
→ Treasurer
→ Chief Returning Officer - Elections
→ OSGeo Committees (including OSGeo Projects)
OSGeo membership

Open, free membership

- 5600+ members registered on the wiki
- 940 registrations on the website 08/2019
- 33700+ OSGeo mailman server unique subscribers 08/2019
- 425 elected charter members - developers, activists, advocates (2018)
- charter members elect the board of directors
Local chapters

- 30+ local chapters all over the world
- organize meetups, conferences, code sprints
- report at Annual General Meeting at Global FOSS4G
- manage translations of documentation
Local chapter FOSSGIS e.V.

German language local Chapter for OSGeo - D-A-Ch

Official Local Chapter of OSMF for Germany

- 200+ members
- very active
- Outreach on conferences & fairs like AGIT, INTERGEO
- Community Meetings & OSM Hackthons
- Support Programme (Förderprogramm)
Annual FOSSGIS Konferenz

- 3 days of workshops, presentations, community meetings, networking
- 1 day OSM Day
- > 500 participants (sold out in the last years)
- live stream & video recordings
FOSSGIS Konferenz
FOSS4G
BELGIUM 2019

ceci n’est pas une conférence
Conferences: Global

Annual global FOSS4G conference travels around the world
FOSS4G 2019 Bucharest

amazing event with over 1000 participants
Conferences: regional
Organized by local chapters, rapidly growing
many regional FOSS4G conferences per year

- See -> OSGeo Events and -> Travel Grant Program
- FOSS4G SotM Oceania 2019 November Wellington, New Zealand
- FOSS4GUK
- FOSS4G Japan
- FOSS4G North America 2019
- Bolsena Codesprint 2019 – June 24th, 2019
- FOSS4G NL 2019 at Delft University – June 20th, 2019
- Jornadas SIG Libre 2019 – May 29th, 2019
- OSGeo Community Sprint 2019 – May 14th, 2019
- FOSS4G Europe 2018, Guimarães, Portugal
- FOSS4G Asia 2018, Sri Lanka
- **FOSS4G BE, Brussels**
- FOSS4G Hungary
- GFOSS Italy
- FOSGIS Germany
- OSGeo Irish Local chapter symposium, FOSS4G Finland, OSGeo Africa, QGIS conference, ...
Community sprints

- OSGeo budget supports code and community sprints
- Collaborative sprints with multiple projects
- Community sprints associated with FOSS4G conferences
- Code sprints organized by projects

Community sprint at Linuxhotel by FOSSGIS e.V.
Community Sprint in Dar es Salaam

The FOSS4G 2018 Community Sprint was held in Dar es Salaam at dLAB Tanzania September 1 to 2, the weekend after the closing sessions of FOSS4G. This sprint brought together nearly 70 members of the QGIS community, HOT and students from closeby.
Community sprint at FOSS4G 2018 Dar es Salaam (Tanzania)
OSGeo is attractive to young people
Travel Grant Programme

https://www.osgeo.org/initiatives/foss4g-travel-grant-program/

Flickr tshedy thobei: https://www.flickr.com/photos/164185166@N06/43479316505/in/pool-foss4g/
Google Summer of Code

https://summerofcode.withgoogle.com

- OSGeo serves as umbrella organization for projects
- Smaller open source geospatial projects can also join
- 12 years, 150+ students ($750,000+), 7 students in 2019
- mentors work for free, get to visit Google headquarters
Google_Code-in

https://codein.withgoogle.com/archive/

- OSGeo serves as umbrella organization for project participation in Google code-in
- Fostering pre-university student participation in OSGeo
- 2 years, 649 small tasks for 11 OSGeo projects

Google Season of Docs-in
OSGeo is global

Network all over the world
Developer, conferences, community sprints...
Mapping events...
Beyond software

OSGeo works with partners to support and promote

- **Open Source**: collaborative software development
- **Open Data**: free access to geospatial data
- **Open Standards**: avoid lock-in, use interoperable software
- **Open Education**: learning and teaching without barriers
- **Open Science**: Share data, software, publications
- **MoUs** with 14+ organizations
MoU - Memorandum of Understanding

International Cartographic Association (ICA) 2011 Georg Gartner and Arnulf Christl, renewal in 2015 with Jeff McKenna, TIB Bastian Drees and Maria Arias de Reyna 2018

https://wiki.osgeo.org/wiki/MOU_OSGeo_All
TIB AV-Portal

- Offers a lot of FOSS4G videos from our conferences
- https://av.tib.eu/
- TIB AV-Portal search f.e QGIS > 400 hits 09/2019
More MoUs

University Consortium for GIScience (UCGIS) signed in 2016
Association of Geographic Information Laboratories in Europe (AGILE) signed in 2017

YouthMappers (signed in 2018)
US DoI, OGC, LH Corp, IGU, STP India, GLTN, UNIGIS
Open Geospatial Consortium

long partnership, MoU signed in January 2009

- Many people from OSGeo projects are involved
- GeoServer, QGIS Server, deegree are reference implementations
- Member join Discussion and hackathons
- Discussion about closer collaboration at the moment
OSGeo sponsors and budget
OSGeo has many great sponsors

https://www.osgeo.org/sponsors/
OSGeo budget

- Support our committees, projects, initiatives
- Support new projects
- Provide technical infrastructure (mailing lists, server, test system...)
- Travel Grant Programme
- Conferences and community sprints and project meetings
- Awards
GeoForAll

OSGeo educational initiative

Global network of academic research and education laboratories and government/industry partners

GeoForAll
Mission and goals

Making geospatial education and opportunities accessible to all

- Create research and teaching opportunities in open geospatial science
- Build global open access teaching and research infrastructure
- Establish collaborations between academia, government and industry around open geospatial science and education
Map of the labs 2017
over 100 labs globally in 2017
• OSGeoLive 13.0 software collection
• Lubuntu 18.4
• contains 50+ Open Source Software for Geospatial
• Data & Dokumentation (Quickstart & Overview)
• OSM Data from the region of the actual FOSS4G
Bienvenue sur OSGeoLive 13.0

OSGeoLive est un DVD amovible autonome, une clé USB ou une machine virtuelle basée sur Ubuntu, qui vous permet d'essayer une grande variété de logiciels open source géospatiaux sans avoir à installer quoi que ce soit. Il est composé uniquement de logiciels libres, ce qui lui permet d'être librement distribué, dupliqué et le transmettre à n'importe qui.

Il fournit des applications pré-configurées pour un éventail de cas d'utilisation géospatiaux, y compris le stockage, l'édition, l'affichage, l'analyse et la manipulation de données. Il contient également de la documentation et des jeux de données de tests.

Pour tester les applications, tout simplement :
1. Insérez le DVD ou la clé USB dans l'ordinateur ou une machine virtuelle.
2. Redémarrez l'ordinateur. (Vérifier l'ordre de démarrage des périphériques si nécessaire)
3. Appuyez sur « Entrée » pour démarrer et vous connecter.
4. Essayez les applications en les lançant à partir du menu « Geospatial ».

OSGeoLive est un projet de la fondation OSGeo. La fondation OSGeo est une organisation à but non lucratif soutenant le développement, la promotion et l'Éducation aux logiciels Open Source géospatiaux.

Guides de démarrage rapide

- Getting started with the OSGeoLive DVD
- Change language or keyboard type
- Install OSGeoLive on your hard disk
- Run OSGeoLive in a Virtual Machine
- Create an OSGeoLive bootable USB thumb drive
- Running in a Hyper-V Virtual Machine

Présentation

Une présentation d'une demi-heure, qui passe en revue toutes les applications d'OSGeoLive, est disponible avec ses slides, scripts et abstract.
OSGeoLive 12.0 downloads
## OSGeoLive 12.0 downloads

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Offers OSGeo solutions for you?

- Great sustainable projects
- Projects are in action all over the work
- Support by Service Provider & developer
- Support by the community
- Educational material
You want to get involved?

- Become a member, create your member page
- Add your project
- Help with development, testing, documentation ...
- Promote OSGeo
Enjoy FOSS4G-Begium and thanks to the organizers and to all people involved!

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