



FOSS4G - OSGeo Open-Source-Geo-Software bereit für den globalen Einsatz

Astrid Emde, WhereGroup
Where2B 2018 Bonn



FOSS4G - OSGeo

Open-Source-Geo-Software bereit für den globalen Einsatz

Astrid Emde, WhereGroup
Where2B 2018 Bonn

A photograph of three hikers standing on a rocky mountain peak. They are facing away from the camera, with their arms raised in triumph. The background shows a vast landscape of rolling hills and mountains under a sky filled with warm, golden light from a setting sun.

FOSS4G - OSGeo Open-Source-Geo-Software global im Einsatz

Astrid Emde, WhereGroup
Where2B 2018 Bonn

Astrid Emde

- FOSSGIS e.V. - OSGeo local chapter
- OSGeo Board (seit 2017) und Charter Member (seit 2010)
- Aktiv im Projekt  **OSGeoLive**
- Mapbender Team (OSGeo Project)
- WhereGroup, Bonn (Germany)



WhereGroup



Sh*thole Geography Standup Quiz

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30 Nov, 2018 in General

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Powerful, secure and flexible: open source gives you the freedom to "Do Geo" your way

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Community news

[Using cluster module with HTTP servers](#)

August 18th, 2017

[Making GovHack \(and Open Government\) more impactful](#)

August 18th, 2017

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August 16th, 2017

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<https://www.osgeo.org/>



Empower everyone with open source geospatial

- OSGeo ist gemeinnützig
- Propagiert OSGeo Technologie, offene Standards und Daten
- OSGeo wird weltweit von Freiwilligen getragen



Open Geospatial

- **Open Source:** Sicherstellung der gemeinschaftlichen Softwareentwicklung in der Community
- **Open Data:** Bereitstellung frei verfügbarer Daten zur beliebigen Nutzung
- **Offene Standards:** ermöglichen interoperable Software und vermeiden Abhängigkeiten
- **Offene Ausbildung:** beseitigt die Schwellen zum Lernen und Lehren

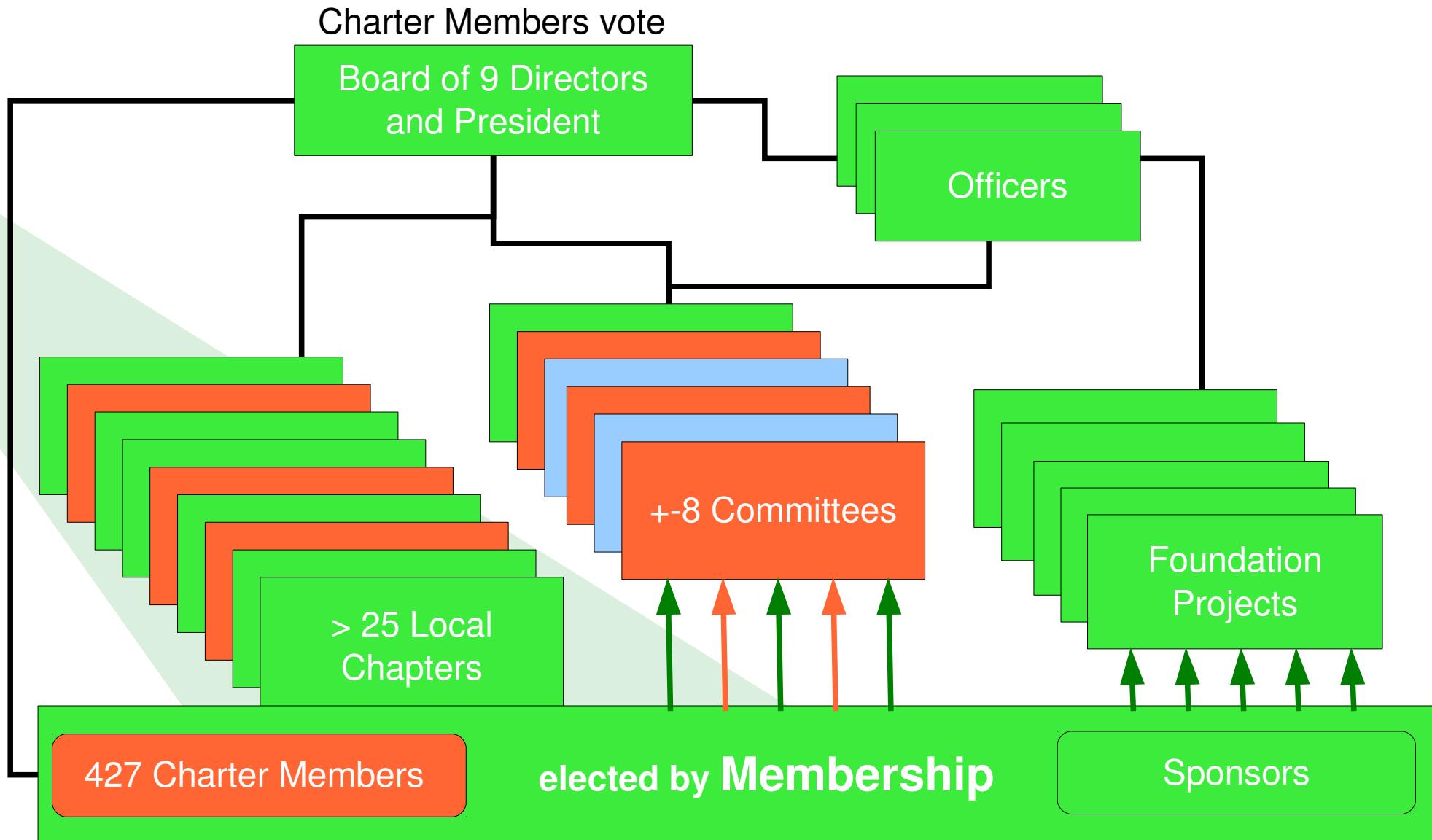


2006 Gründung der OSGeo

OSGeo Foundation: Founding members



Founded 4 February 2006, Chicago



<https://www.osgeo.org/about/board>



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OSGeo Projects

Content Management Systems

[GeoNode](#)

Metadata Catalogs

[GeoNetwork](#)[pycsw](#)

Desktop Applications

[Marble](#)[gvSIG Desktop](#)[QGIS Desktop](#)[GRASS GIS](#)

Geospatial Libraries

[OSSIM](#)[GeoTools](#)[Orfeo ToolBox](#)[GDAL/OGR](#)[GEOS](#)

Other

[OSGeoLive](#)

Web Mapping

[MapServer](#)[MapGuide Open Source](#)[mapfish](#)[deegree](#)[Geomajas](#)[OpenLayers](#)[GeoMoose](#)[Mapbender](#)[PyWPS](#)[GeoServer](#)

Spatial Databases

[PostGIS](#)

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Community projects

Desktop Applications

[OSGeo4W](#)[Opticks](#)

Geospatial Libraries

[Pronto Raster](#)[Proj4](#)[pgRouting](#)

Other

[GeoHealthCheck](#)[Portable GIS](#)[TEAM Engine](#)

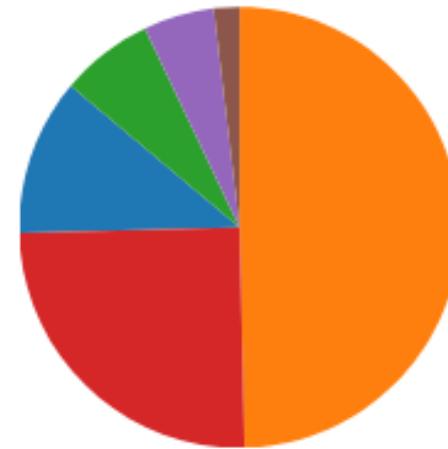
Web Mapping

[GC2/Vidi](#)[GeoWebCache](#)[ZOO-Project](#)[istSOS](#)

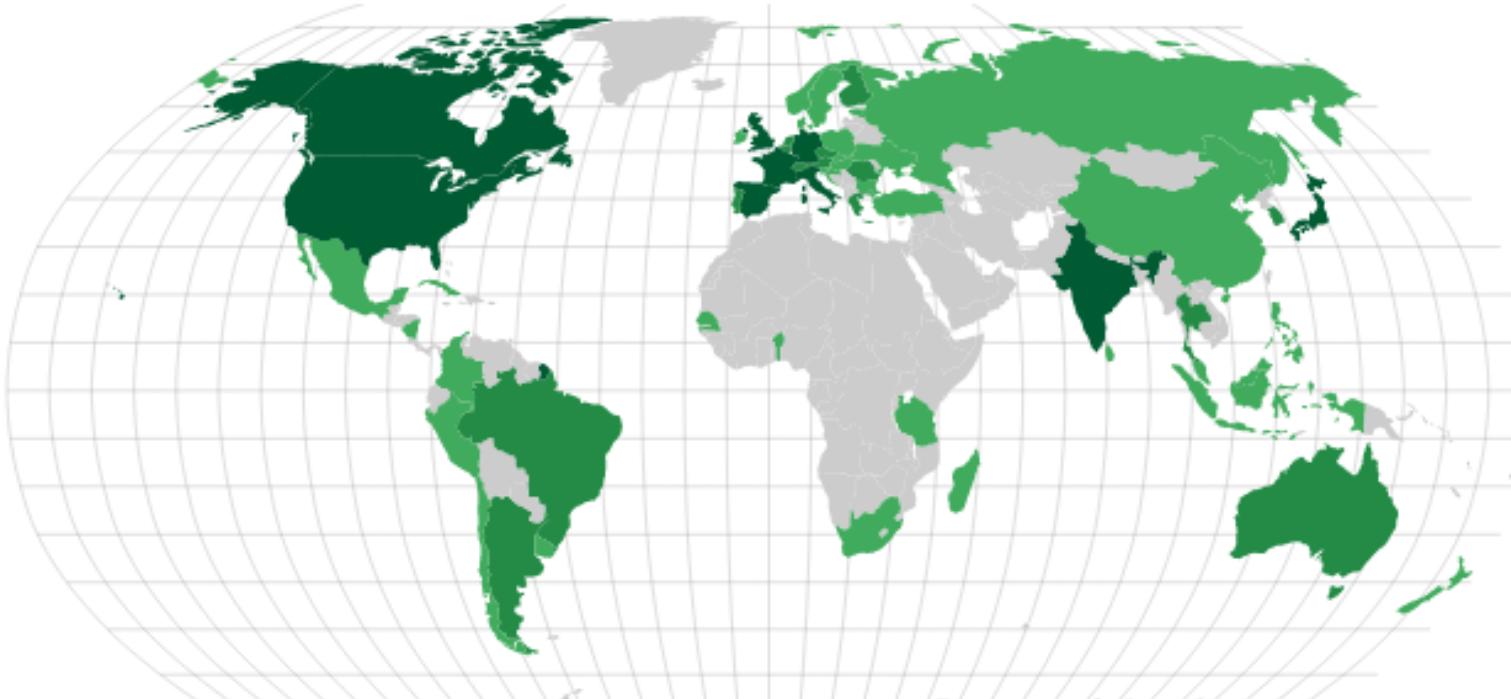
Charter Members by region

Hover the mouse over the pie chart to get region details

[East Asia & Pacific \(49\)](#) · [Europe & Central Asia \(211\)](#) · [Latin America & Caribbean \(29\)](#) · [North America \(106\)](#) ·
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Charter Members by country



[Argentina \(12\)](#) · [Australia \(11\)](#) · [Austria \(5\)](#) · [Belgium \(8\)](#) ·
[Benin \(1\)](#) · [Brazil \(9\)](#) · [Bulgaria \(1\)](#) · [Canada \(22\)](#) · [Chile \(1\)](#) ·
[China \(1\)](#) · [Colombia \(1\)](#) · [Croatia \(1\)](#) · [Cuba \(1\)](#) ·
[Czech Republic \(8\)](#) · [Denmark \(4\)](#) · [Estonia \(1\)](#) · [Finland \(6\)](#) ·
[France \(25\)](#) · [Germany \(20\)](#) · [Greece \(6\)](#) · [Hungary \(2\)](#) ·
[India \(19\)](#) · [Indonesia \(1\)](#) · [Ireland \(2\)](#) · [Italy \(24\)](#) · [Japan \(19\)](#) ·
[Madagascar \(1\)](#) · [Malaysia \(1\)](#) · [Mexico \(2\)](#) ·
[Netherlands \(12\)](#) · [New Zealand \(3\)](#) · [Nicaragua \(1\)](#) ·
[Norway \(2\)](#) · [Peru \(1\)](#) · [Philippines \(2\)](#) · [Poland \(4\)](#) ·
[Portugal \(13\)](#) · [Romania \(8\)](#) · [Russia \(2\)](#) · [Senegal \(1\)](#) ·
[Slovakia \(1\)](#) · [Slovenia \(1\)](#) · [South Africa \(4\)](#) ·
[South Korea \(6\)](#) · [Spain \(22\)](#) · [Sri Lanka \(3\)](#) · [Sweden \(1\)](#) ·
[Switzerland \(9\)](#) · [Thailand \(5\)](#) · [Turkey \(1\)](#) · [Ukraine \(3\)](#) ·
[United Kingdom \(19\)](#) · [United Republic of Tanzania \(1\)](#) ·
[United States of America \(84\)](#) · [Uruguay \(1\)](#)

<https://www.osgeo.org/foundation-news/welcoming-our-new-osgeo-charter-members-2018/>

OSGeo Board 2018



María Arias de Reyna



Helena Mitasova



Jeff McKenna



Angelos Tzotsos



Jody Garnett



Michael Smith



Victoria Rautenbach



Tom Kralidis



Astrid Emde

Status Dezember 2018

https://wiki.osgeo.org/wiki/Board_of_Directors



OSGeo Mailinglisten

- 288 Mailinglisten (12.12.2018)
- OSGeo Discuss discuss@lists.osgeo.org.
- mapbender_users@lists.osgeo.org
- qgis-user@lists.osgeo.org.
- qgis-de@lists.osgeo.org.
- PostNAS-Suite nas@lists.osgeo.org
- <https://lists.osgeo.org/mailman/listinfo>



Wieviele eindeutige Anmeldungen bei OSGeo mailman?

- Etwa 5.000
- etwa 30.000
- etwa 100.000



Wieviele eindeutige Anmeldungen bei OSGeo mailman?

- Etwa 5.000
- **Etwa 30.000**
- Etwa 100.000



33.225 (1.12.2018)

Quelle: Markus Neteler monatliche Statistik

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Geo4All

Mission - "Making geospatial education and opportunities accessible to all"

- Schulungsmaterial
- Aufbau von Verbindungen
- Enge Zusammenarbeit mit ICA, ISPRS, UN-GIS und anderen Partnern weltweit
- <http://www.geoforall.org/>



120 Labs (19.8.2017)



GSOC - Google Summer of Code

- & Google Code-In
- OSGeo ist eine Mentor-Organisation
- Seit 2007
- 2018: 13 Studenten nahmen für die OSGeo teil am GSOC



https://wiki.osgeo.org/wiki/Google_Summer_of_Code_2018



Jorge Sanz
@xurxosanz

Cartographer on flip flops. Support and Solutions engineering at @CARTO. My maps only reflect my own mappiness, not my employer's.

© MAD/VLC, Spain
jorgesanz.net
Beigetreten April 2008

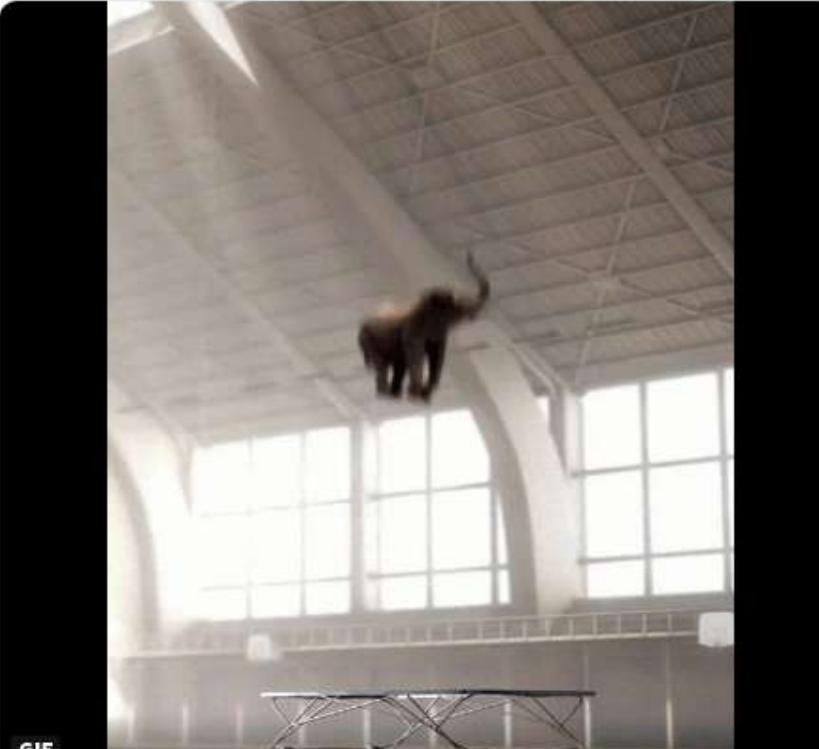
Jorge Sanz
@xurxosanz

Folgen

The training materials for our PostgreSQL workshop are available, feedback is always appreciated :* #commitconf

bit.ly/commitconf18-p...

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Folgen

Wem folgen? Aktualisieren · Alle anzeigen

Pedro-Juan Ferrer @vehirka Folgen

CARTO @CARTO Folgen

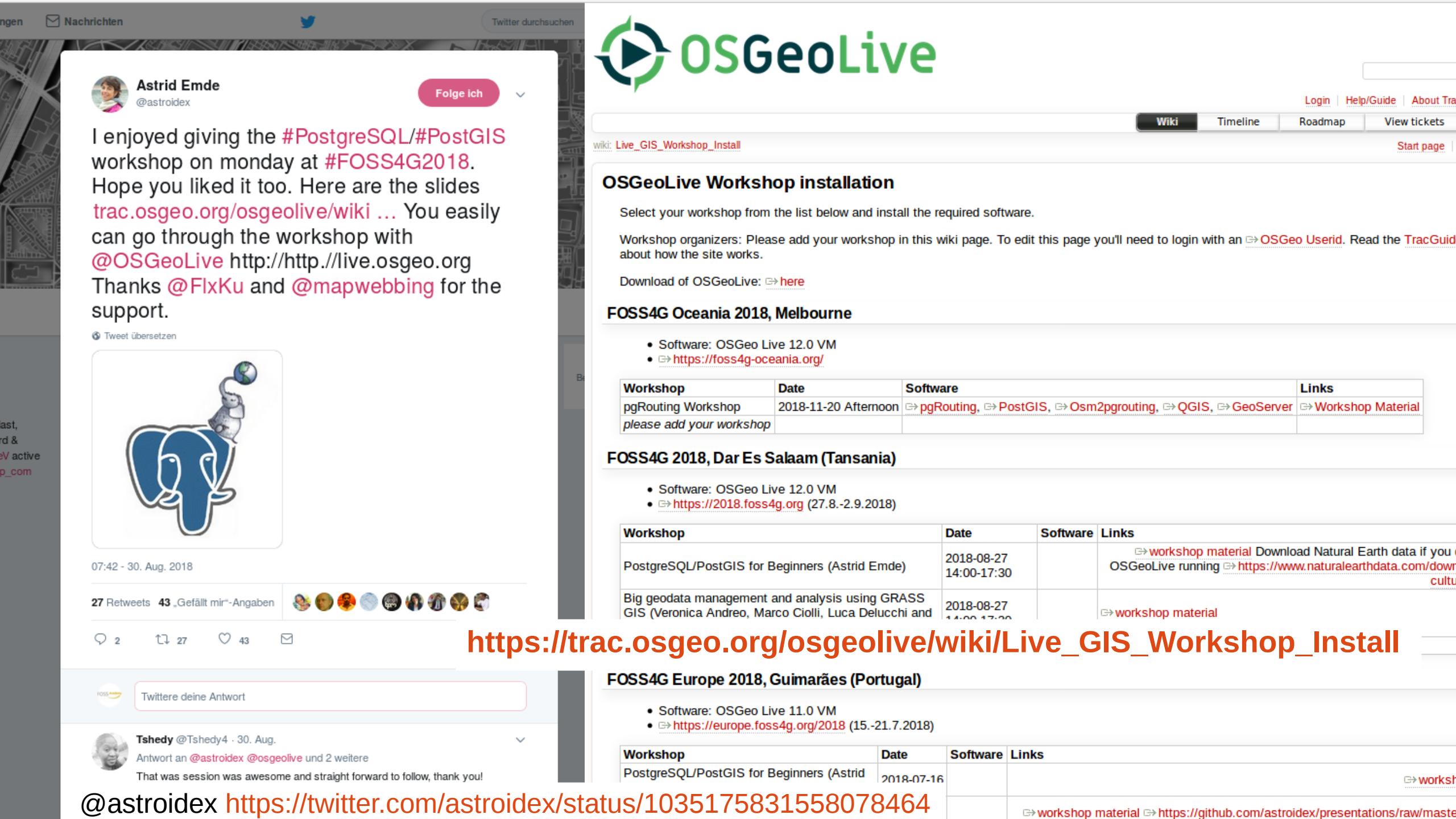
Iván Sánchez Folgen

ngen Nachrichten Twitter durchsuchen

Astrid Emde @astroidex Folge ich

I enjoyed giving the #PostgreSQL/#PostGIS workshop on monday at #FOSS4G2018. Hope you liked it too. Here are the slides trac.osgeo.org/osgeolive/wiki/ ... You easily can go through the workshop with @OSGeoLive <http://http://live.osgeo.org> Thanks @FlxKu and @mapwebbing for the support.

[Tweet übersetzen](#)



07:42 - 30. Aug. 2018

27 Retweets 43 „Gefällt mir“-Angaben

[Twittere deine Antwort](#)

Tshedy @Tshedy4 · 30. Aug.
Antwort an @astroidex @osgeolive und 2 weitere
That was session was awesome and straight forward to follow, thank you!

OSGeoLive

wiki: [Live_GIS_Workshop_Install](#)

OSGeoLive Workshop installation

Select your workshop from the list below and install the required software.

Workshop organizers: Please add your workshop in this wiki page. To edit this page you'll need to login with an [OSGeo Userid](#). Read the [TracGuide](#) about how the site works.

Download of OSGeoLive: [here](#)

FOSS4G Oceania 2018, Melbourne

- Software: OSGeo Live 12.0 VM
- <https://foss4g-oceania.org/>

Workshop	Date	Software	Links
pgRouting Workshop	2018-11-20 Afternoon	pgRouting , PostGIS , Osm2pgsql , QGIS , GeoServer	Workshop Material
please add your workshop			

FOSS4G 2018, Dar Es Salaam (Tansania)

- Software: OSGeo Live 12.0 VM
- <https://2018.foss4g.org> (27.8.-2.9.2018)

Workshop	Date	Software	Links
PostgreSQL/PostGIS for Beginners (Astrid Emde)	2018-08-27 14:00-17:30		workshop material Download Natural Earth data if you OSGeoLive running https://www.naturalearthdata.com/download
Big geodata management and analysis using GRASS GIS (Veronica Andreo, Marco Ciolli, Luca Delucchi and	2018-08-27 14:00-17:30		workshop material

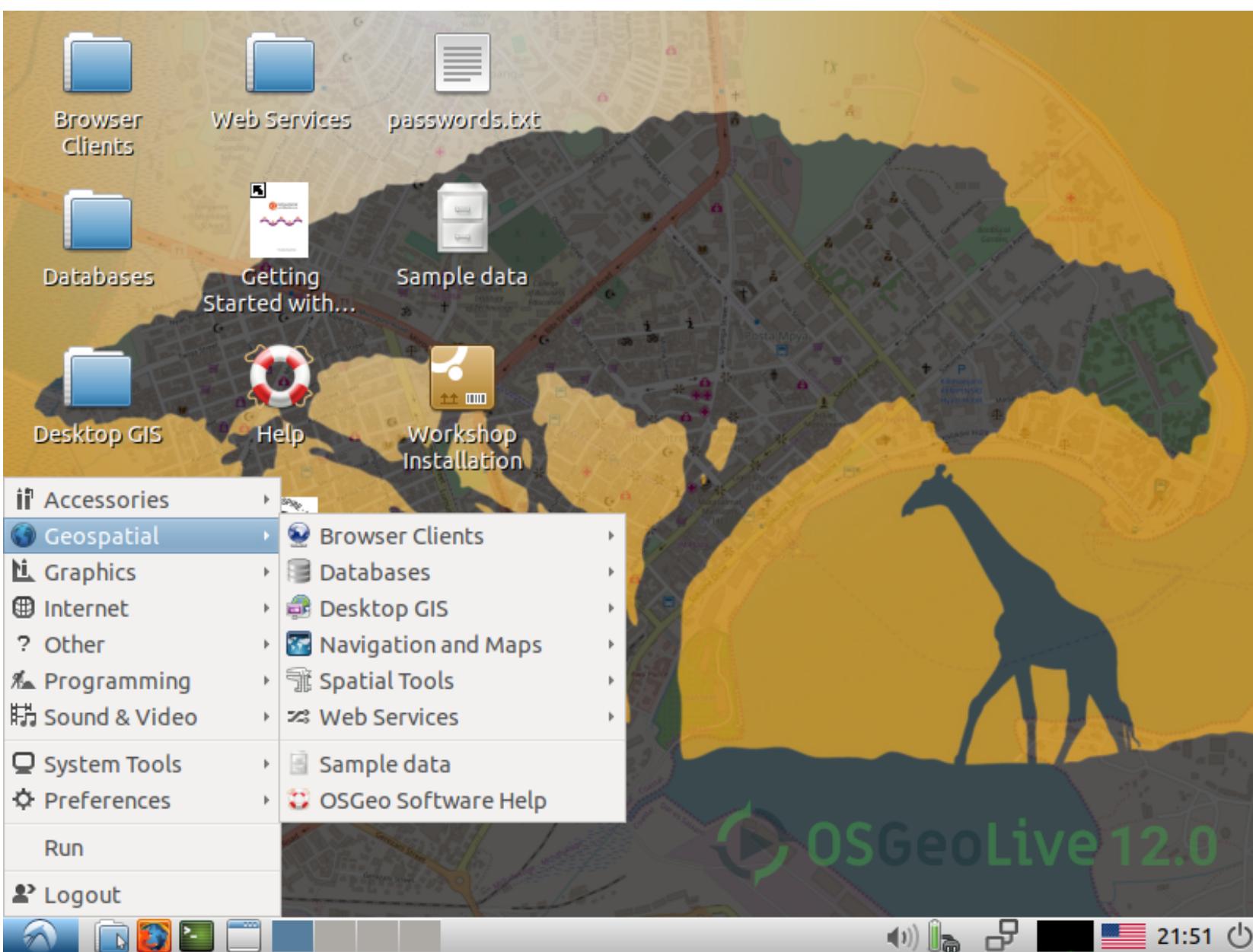
FOSS4G Europe 2018, Guimarães (Portugal)

- Software: OSGeo Live 11.0 VM
- <https://europe.foss4g.org/2018> (15.-21.7.2018)

Workshop	Date	Software	Links
PostgreSQL/PostGIS for Beginners (Astrid	2018-07-16		workshop material https://github.com/astroidex/presentations/raw/master

https://trac.osgeo.org/osgeolive/wiki/Live_GIS_Workshop_Install

@astroidex <https://twitter.com/astroidex/status/1035175831558078464>



<http://live.osgeo.org>



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Boundless



GeoSolutions

your one-stop-shop for geospatial open source software



FOSS4G - Free and Open Source Software for Geospatial



<http://foss4g.org>



Free and Open Source Software for
Geoinformatics 2006



2007 FREE AND OPEN SOURCE SOFTWARE
FOR GEOSPATIAL (FOSS4G) CONFERENCE



2008 FREE AND OPEN SOURCE
SOFTWARE FOR GEOSPATIAL CONFERENCE



FOSS4G 2010
Barcelona





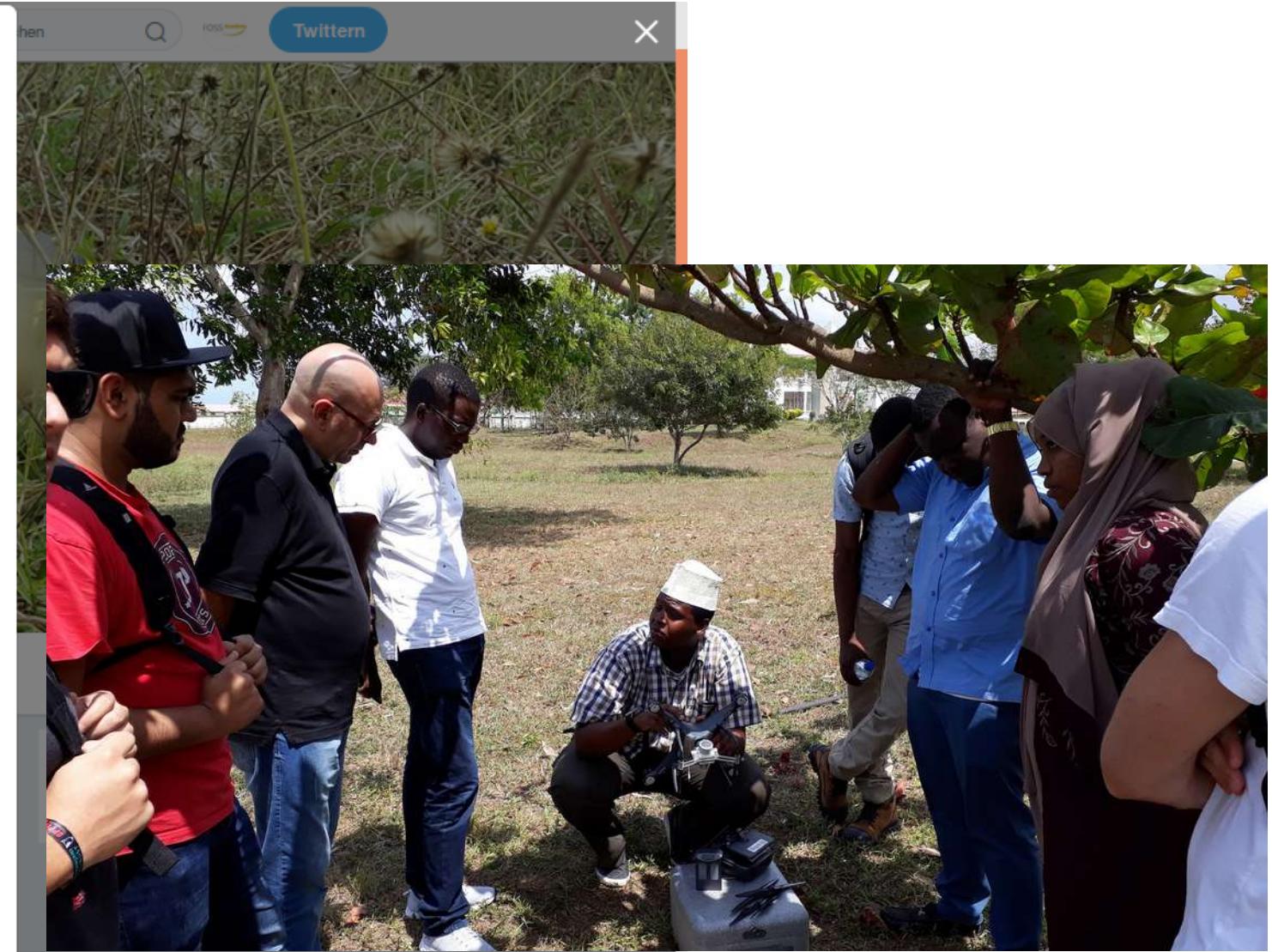
<https://2018.foss4g.org>

<https://www.youtube.com/watch?v=FUHxKhqX0cA>

We are honored to volunteer in Zanzibar Geospatial Journey. It was fantastic to meet with GIS Community around the world, sharing different knowledge with them and many more.

@yves_barthelemy, @WeRobotics
,@MohdKas61729350
,@KenyaFlyingLabs, @lekaTZA ,@khastylez1,
@foss4g, @qgis

Tweet übersetzen



<https://2018.foss4g.org/a-zanzibar-geospatial-journey/>

A photograph of a young woman with dark skin and curly hair, wearing a light blue hijab and a black dress with a subtle pattern. She is holding a large, grey Wingcopter drone in front of her. The drone has four propellers and a camera mounted at the bottom. She is standing in an indoor room with a tiled floor, wooden chairs, and a red fire extinguisher in the background. A sign on the wall above her reads: "HAS BEEN FINANCED BY GOVERNMENT OF ZANZIBAR AND ARAB BANK FOR ECONOMIC DEVELOPMENT IN AFRICA (BADEA)".

HAS BEEN FINANCED BY GOVERNMENT
OF ZANZIBAR AND ARAB BANK FOR
ECONOMIC DEVELOPMENT IN AFRICA
(BADEA)

Khadija Abdulla Ali Zanzibar Mapping Initiative, Uhurulabs, and Wingcopter





Flickr tshedy thobei: <https://www.flickr.com/photos/164185166@N06/43479316505/in/pool-foss4g/>

al
ion



Open Source Geospatial Foundation



Empower every
one with open
source geospatial

source
compas
Web Mapping
Desktop Applications
Geospatial Libraries
Metadata Catalogs

OSGeo

Foto: Astrid Emde

our open
source
compass

Web Mapping
Desktop Application
Geospatial Library
Metadata

open Source
Geospatial
Foundation



Foto: Astrid Emde



Fotos: Astrid Emde

Hon. January Makamba Minister responsible for the Environment and the Union



<http://www.januarymakamba.com/mystory.html>

CROWD2MAP Tanzania



Neema Meremo

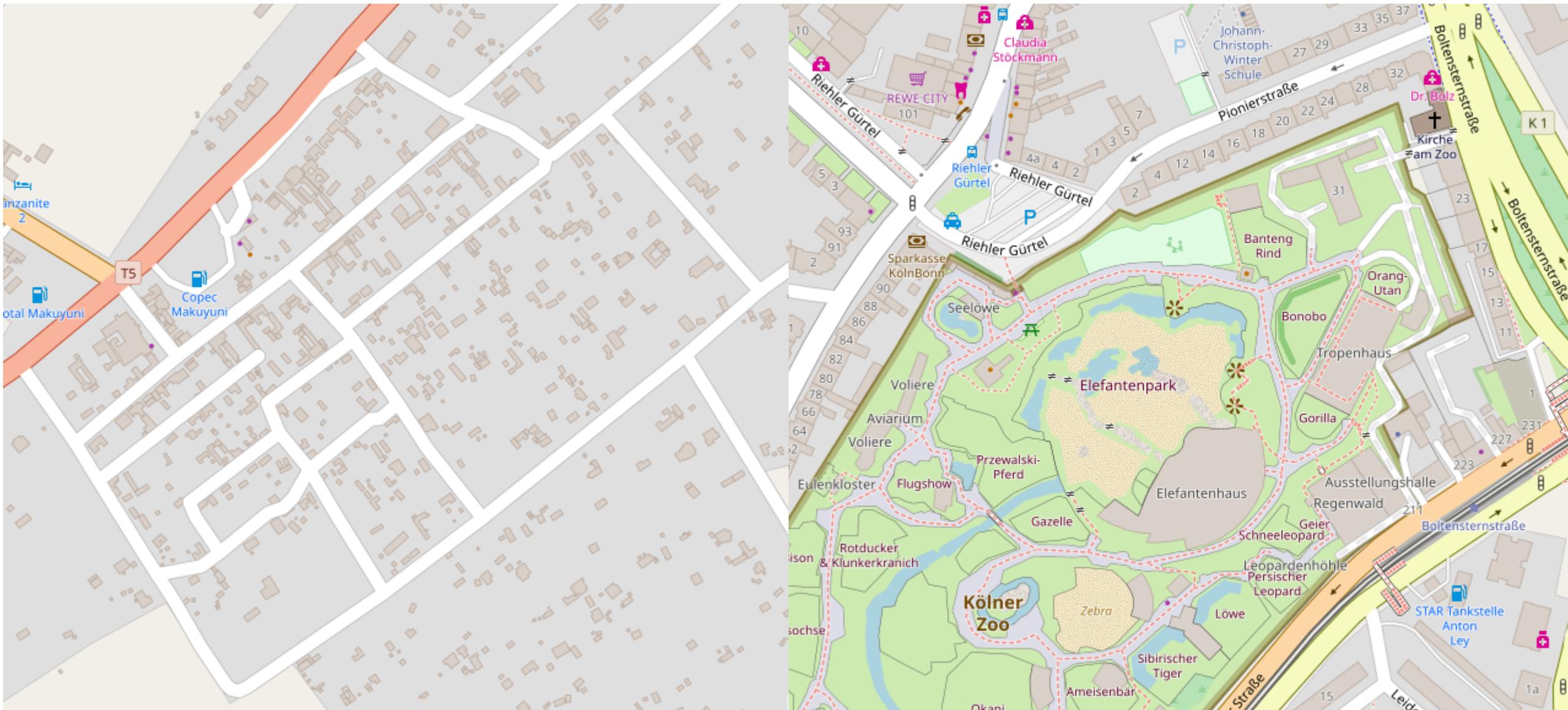
Human Resource Manager

Hope for girls and women Tanzania



<https://youtu.be/AW3v18ZJYDg>

<https://crowd2map.wordpress.com/>





ASTRID
ENGE

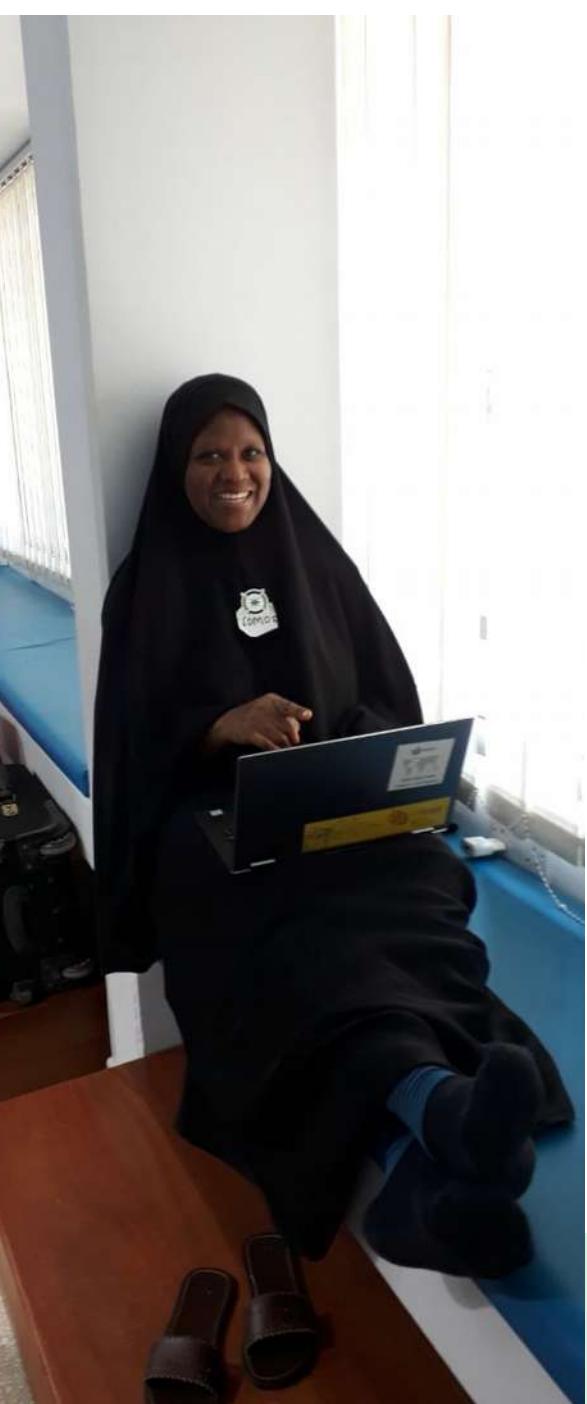
SOL KATZ AWARD

*Geospatial and Open Source Software
2018*

Presented to

Astrid Emde

In recognition of your exceptional service to the
Open Source Geospatial Community



Fotos: Astrid Emde



Foto: Jody Garnett

OsmAnd



OsmAnd for Android

Main menu

Car navigation

Map with WiFi

Route details

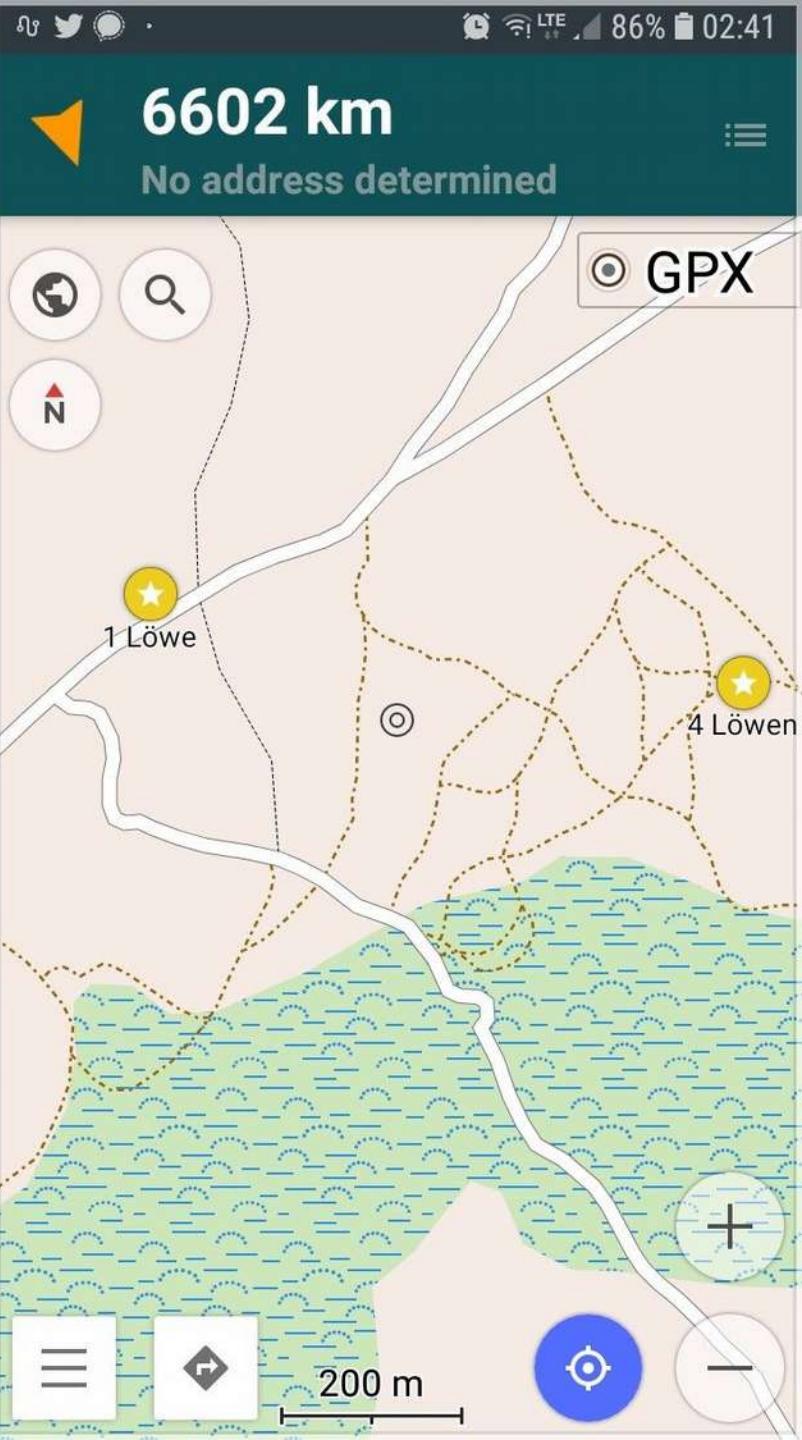
Modify/create POIs (offline)

General

Fotos: Astrid Emde



Best place in Arusha! <https://mazzola-safari-house-backpacking-tz.book.direct/>





FOSS4G 2019 BUCHAREST

26. - 30. August 2019

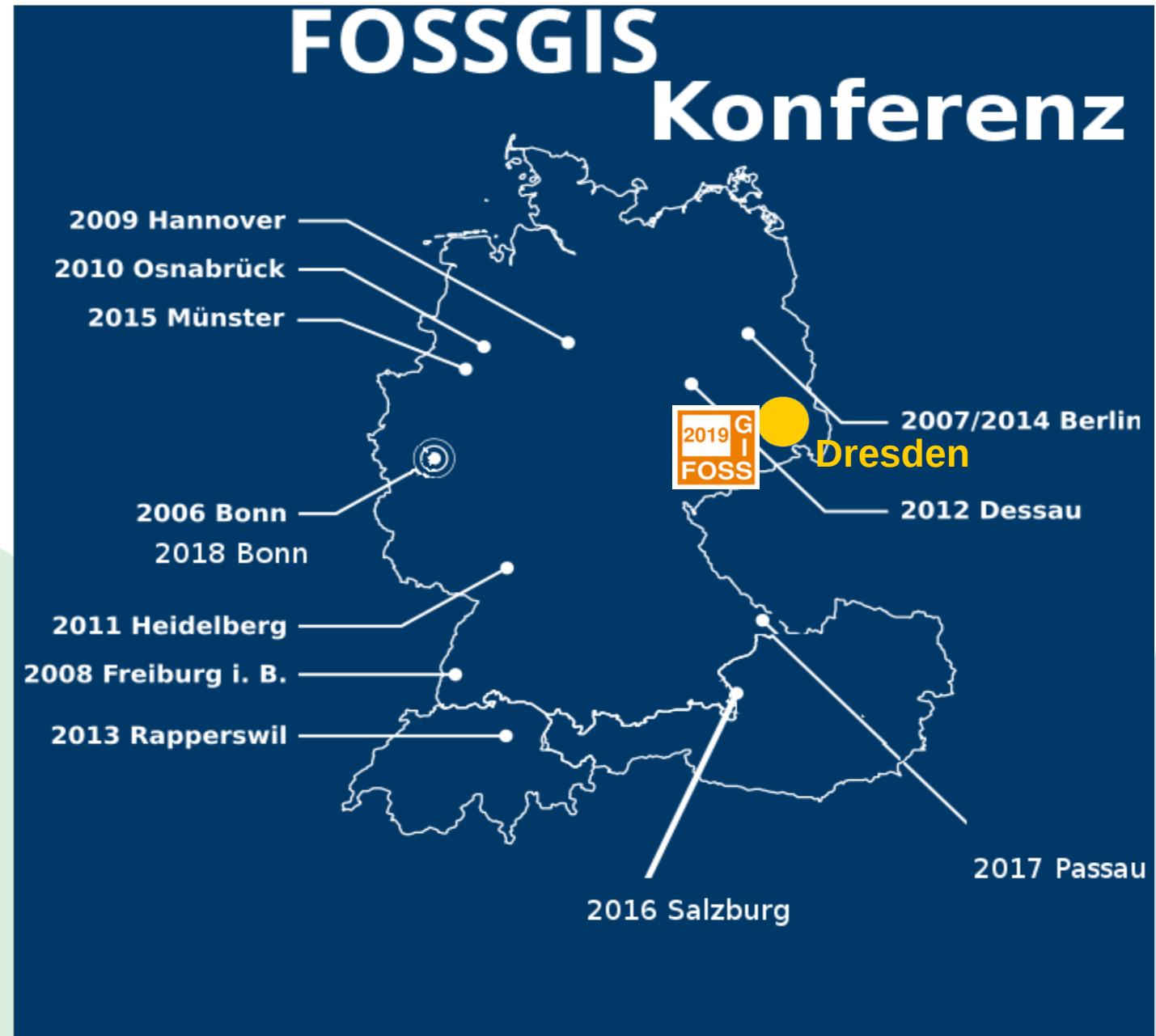
FOSSGIS e.V.

- Gemeinnütziger Verein zur Förderung von FOSSGIS & freien Geodaten
- OSGeo Local Chapter für den deutschsprachigen Raum D-A-CH
- 2000 als G.A.V. gegründet GRASS Anwendervereinigung
- 2008 Umbenennung in FOSSGIS e.V.
- Vertretung der deutschen OpenStreetMap Community
- Seit 2017 German local OSMF Chapter
- > 214 Mitglieder

<https://www.fossgis.de>



- 1. FOSSGIS Konferenz
März 2006 in Bonn
- 2003-2005 MapServer
Anwendertreffen
- FOSSGIS 2018 Bonn
mit OSGeo Code Sprint



Die Konferenz für Freie Open Source GIS Software und freie Geodaten

Highlights

Dialoge im Bärenzwinger
OSM-Samstag

Termine

08/2018: Call for Papers
12/2018: Anmeldung

Infos

www.fossgis-konferenz.de
twitter.com/FOSSGIS_Konf



FOSSGIS 2019

DRESDEN

13.-16.03.2019



<https://www.fossgis-konferenz.de/2019/>

FOSSGIS Hacking Events



<https://www.fossgis.de/node/323>

Veranstaltungen 2019

- FOSSGIS-Konferenz 2019 in Dresden (13.-16.3.2019)
- Deutschsprachige PostgreSQL Konferenz Leipzig (10.5.2019)
- AGIT 2019 in Salzburg (Österreich) (3.7.-5.7.2019)
- FOSS4G 2019 in Bukarest (Rumänien) (26.8.-30.8.2019)
- HOT Summit 2019 in Heidelberg (19.9.-20.9.2019)
- State of the Map 2019 in Heidelberg (21.9.-23.9.2019)
- PostNAS Anwendertreffen Herbst 2019
- QGIS-DE Anwendertreffen Herbst 2019
- <https://www.fossgis.de/node/322>



Foto: Jörg Thomsen



QGIS Desktop und Server

- 2018 in aller Munde
- LTR 3.4.x ist da!
- Entwickler- & Anwendergemeinde weltweit



Wieviele Sprachen liegen für QGIS vor?

- < 10
- etwa 20
- > 40



Wieviele Sprachen liegen für QGIS vor?

- < 10
- etwa 20
- > 40



84 registriert, 65 teilweise übersetzt
übersetzt, 41 in QGIS 3.x

<https://www.transifex.com/qgis/QGIS/>

Freepik from Flaticon www.flaticon.com/ CC 3.0 BY



Was ist das Standardvektorformat in QGIS 3?

- GeoJSON
- Geopackage
- NAS



Was ist das Standardvektorformat in QGIS 3?

- GeoJSON
- **Geopackage**
- NAS



Was ist das neue Tier der WhereGroup?

- Mops
- Pudel
- Dackel



Was ist das neue Tier der WhereGroup?

- Mops
- Pudel
- Dackel



[Startseite](#) [Mittellungen](#) [✉](#)

cartocalypse
@cartocalypse

geoinfo/geoviz at HCU Hamburg. Everything is my own viewpoint. Do not rely on Twitter DMs to contact me, it usually fails to work. hannes.enjoys.it

© Hamburg, Germany
hannes.enjoys.it/blog/
Beigetreten August 2013

 **cartocalypse**
@cartocalypse

Folgen

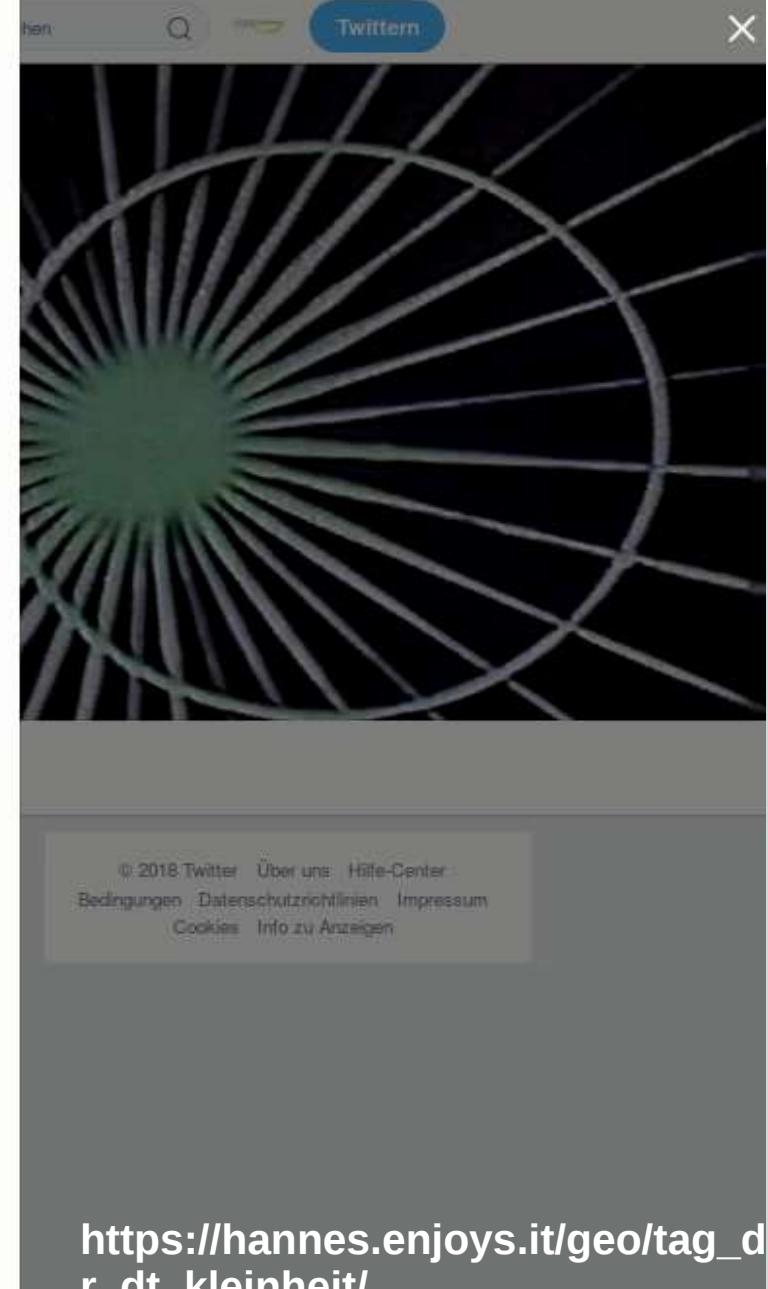
Hamburg kleinstes Flurstück im Originalmaßstab. Absurd, aber wahr.
hannes.enjoys.it/geo/tag_der_dt... mit @A_Tack



12:33 - 7. Okt. 2018

7 Retweets 26 „Gefällt mir“-Angaben





© 2018 Twitter. Über uns Hilfe-Center
Bedingungen Datenschutzrichtlinien Impressum
Cookies Info zu Anzeigen

https://hannes.enjoys.it/geo/tag_der_dt_kleinheit/

Wie groß muss ein Flurstück in ALKIS mindestens sein?

- 0,1 m²
- 1 m²
- 10 m²



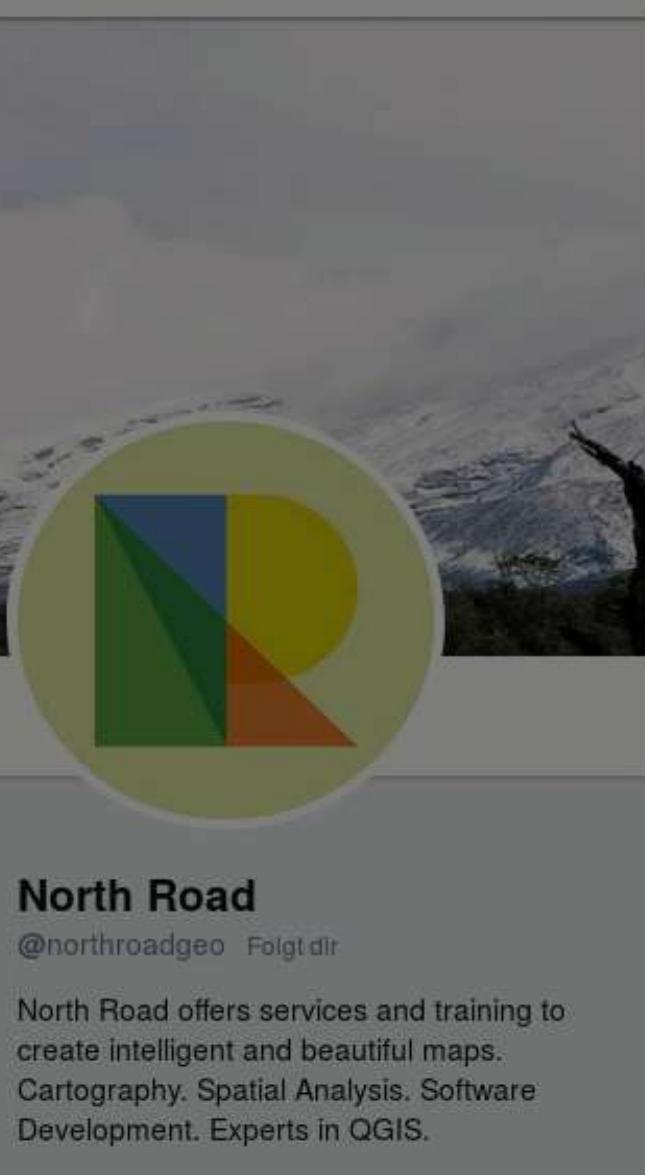
Wie groß muss ein Flurstück in ALKIS mindestens sein?

- 0,1 m²
- 1 m²
- 10 m²



?





North Road

@northroadgeo Folgt dir

North Road offers services and training to create intelligent and beautiful maps. Cartography. Spatial Analysis. Software Development. Experts in QGIS.

© Sunshine Coast, Queensland

North Road @northroadgeo · 1. Dez.

Welcome to our [#24daysofQGIS](#) for 2018! Just like your Christmas advent filled with chocolate, each day we'll reveal a [#QGIS](#) tip or trick for you to devour like a tiny tasty treat and improve your workflow. We declare this [#qgisadvent](#) officially open! Watch this thread.

[Tweet übersetzen](#)

4

62

188

North Road @northroadgeo · 1. Dez.

Day 1: If you have a compatible video card, you can enable the experimental OpenCL mode within [#QGIS](#). This offloads some tasks to your video card, potentially speeding up these operations by an order of magnitude or more (because who wants to wait!?) [#24daysofQGIS](#)

[Tweet übersetzen](#)

0

0

0

0

The screenshot shows the 'Options | Acceleration' dialog in QGIS. It lists available OpenCL devices and provides instructions for enabling GPU acceleration. The text in the dialog states:

Some of the internal C++ processing core algorithms and renderers can take advantage of an OpenCL compatible device to increase the performances.
QGIS OpenCL support is highly experimental and can crash QGIS because of bugs in the underlying libraries, enable at your own risk!
The following OpenCL devices were found on this system (changing the default device requires QGIS to be restarted).

Quadro M1200

Type: GPU
Name: Quadro M1200
Vendor: NVIDIA Corporation
Profile: FULL_PROFILE
Version: OpenCL 1.2 CUDA
Image support: True
Max image2d width: 16384
Max image2d height: 16384
Max mem alloc size: 1073741824

Enable OpenCL acceleration

<https://twitter.com/search?q=24daysofqgis>



Früher Geschenkekauf hilft Stress zu vermeiden (Bild: Malene Thyssen / Wikipedia unter CC BY-SA 3.0)







<https://www.geopackage.org/>



Das TIB AV Portal

TIB fossgis 2017 - Techn... x

Sicher | https://www.tib.eu/en/search/?id=198&tx_tibsearch_search%5Bquery%5D=fossgis+2017&tx_tibsearch_search%5Bsearchspace%5D=tn&tx_tibsearch_sear...

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Page 1 from 70 hits Sort by: Best results | Currentness | Title

Drilldown

Year of publication

2015 2016 2017 2018

- Ok

[Eröffnungsveranstaltung der FOSSGIS-Konferenz 2017](#)
Conference
Lechner, Marco | AV Media | 2017
Begrüßung und Moderation durch Marco Lechner, Vorsitzender des veranstaltenden FOSSGIS e.V.
und Grußworte der gastgebenden Universität ...
Supplier: FOSSGIS e.V., CCC VOC

Type of media

Audio-visual (69)
 Conference Proceedings (1)

Source

[FOSSGIS 2017 - Anwenderkonferenz für Freie und Open Source Software für Geoinformationssysteme : Passau 22. bis 25. März 2017](#)

Anwenderkonferenz für Freie und Open Source Software für Geoinformationssysteme / FOSSGIS

TIB AV Portal

- Portal der Technische Informationsbibliothek (TIB) Hannover
- Veröffentlicht Aufzeichnungen aus den Bereichen Wissenschaft und Technik
- Suche nach Schlagworten (gesprochen und im Text)
- Clear citation link (DOI)
- Veröffentlichungen der Konferenzen FOSS4G FOSSGIS FrOSCon
- GRASS GIS historisches Video
- <https://av.tib.eu/>
- <http://wiki.osgeo.org/wiki/TIB>





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Melbourne, Australia | November 20-23, 2018

The FOSS4G and OpenStreetMap communities of Australia, New Zealand, and the Pacific Islands are

<https://foss4g-oceania.org/videos>



Free/Libre and Open Source Software (FOSS)
Copyleft Mayuri 2004



Vielen Dank für Ihre Aufmerksamkeit

Astrid Emde

astrid.emde@wherergroup.com

<https://where2b-conference.com>

<https://creativecommons.org/licenses/by-sa/4.0/deed.de>

<https://github.com/astroidex/presentations/blob/master/Where2B2018/where2b-2018-foss4g-osgeo-global-im-einsatz-aemde.pdf>

