



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

Astrid Emde, WhereGroup  
Where2B 2018 Bonn



WhereGroup



OSGeo

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

Astrid Emde, WhereGroup  
Where2B 2018 Bonn



# **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

Recently updated 1

30 Nov, 2018 in General



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## Categories

- Apple Business Crowd Derived Data FOSS4G General geo.me Geocom Google KnowWhere Local Government Location Social stuff Making Maps Maps Mobile Open Data Open Source Open Standards Ordnance Survey OSM OSM-GB Post code Privacy QGIS Retail Sales & Marketing 101 Usability Value Workshops

## Recent Posts

- Sh\*thole Geography Standup Quiz
- Shithole Geography

# The Open Source Geospatial Foundation

## Open geo software

Choose the open source technologies for your project or needs

[CHOOSE YOUR SOFTWARE](#)

## About open source geo

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

[OPEN SOURCE GEO](#)

## Helping you succeed

Our volunteers organise in local chapters, academic collaborations, and as service providers

[CONNECT WITH OSGEO](#)

## Community news

### Using cluster module with HTTP servers

August 18th, 2017

### Making GovHack (and Open Government) more impactful

August 18th, 2017

### #FOSS4G give to the 2018 Travel Grant Programme NOW

August 16th, 2017

[View all community news >](#)

## Foundation news

### Azavea 2017 Sponsorship

July 10th, 2017

### Sol Katz Award for Geospatial Free and Open Source Software - Call for Nominations

July 1st, 2017

### Website and Branding June Update

June 30th, 2017

[View all press releases >](#)

<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

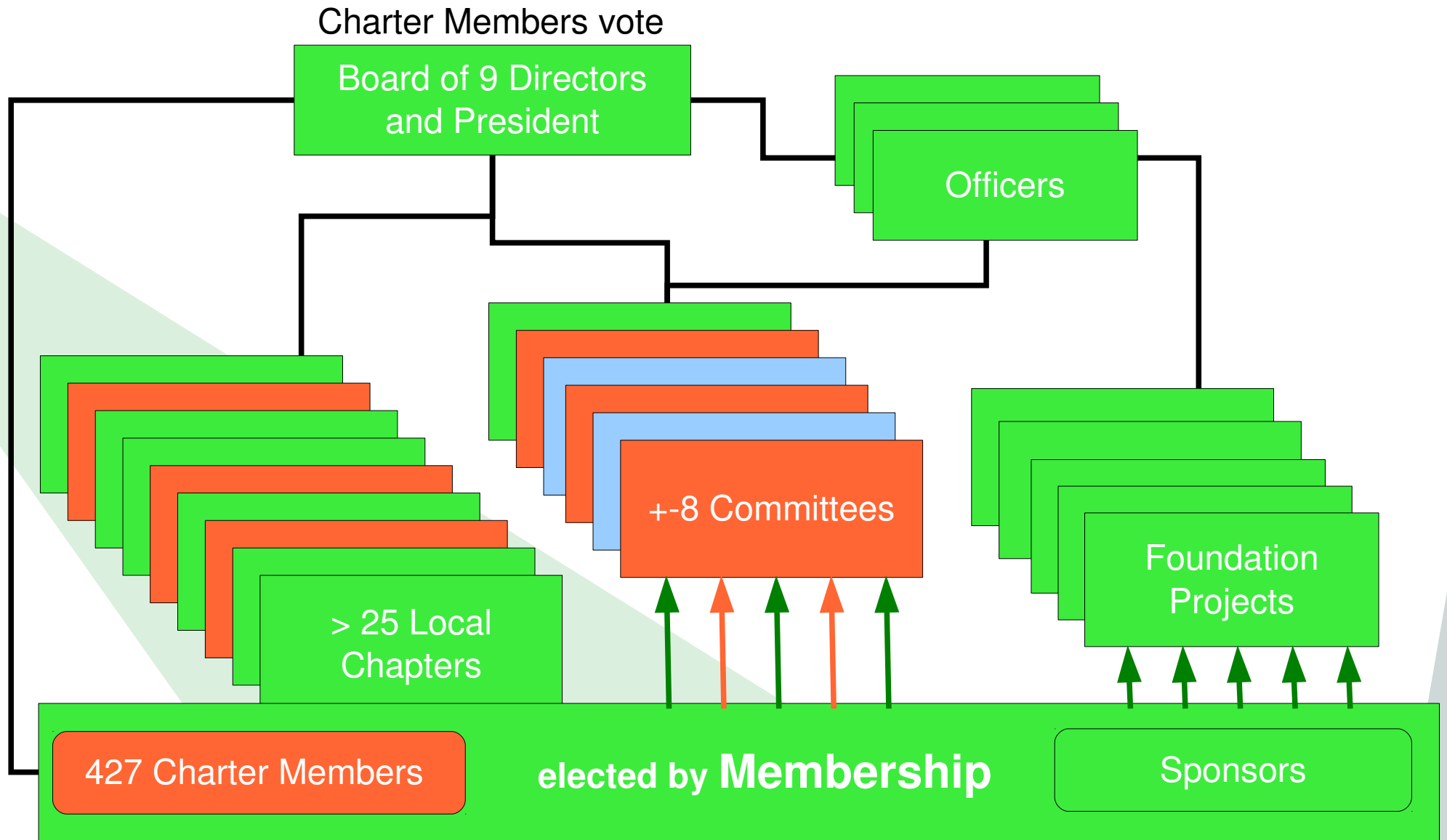




# 2006 Gründung der OSGeo

## OSGeo Foundation: Founding members





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





[OSGeo Projects](#) >

[Community projects](#) >

[View all projects](#) >

[Choose a project](#) >

## OSGeo Projects

### Content Management Systems

GeoNode

### Metadata Catalogs

GeoNetwork

pycsw

### Desktop Applications

Marble

gvSIG Desktop

QGIS Desktop

GRASS GIS

### Other

OSGeoLive

### Web Mapping

MapServer

MapGuide Open Source

mapfish

deegree

Geomajas

OpenLayers

GeoMoose

Mapbender

PyWPS

GeoServer

### Geospatial Libraries

OSSIM

GeoTools

Orfeo ToolBox

GDAL/OGR

GEOS

### Spatial Databases

PostGIS



[OSGeo Projects](#) >

[Community projects](#) >

[View all projects](#) >

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## Community projects

### Desktop Applications

[OSGeo4W](#)

[Opticks](#)

### Web Mapping

[GC2/Vidi](#)

[GeoWebCache](#)

[ZOO-Project](#)

[istSOS](#)

### Geospatial Libraries

[Pronto Raster](#)

[Proj4](#)

[pgRouting](#)

### Other

[GeoHealthCheck](#)

[Portable GIS](#)

[TEAM Engine](#)



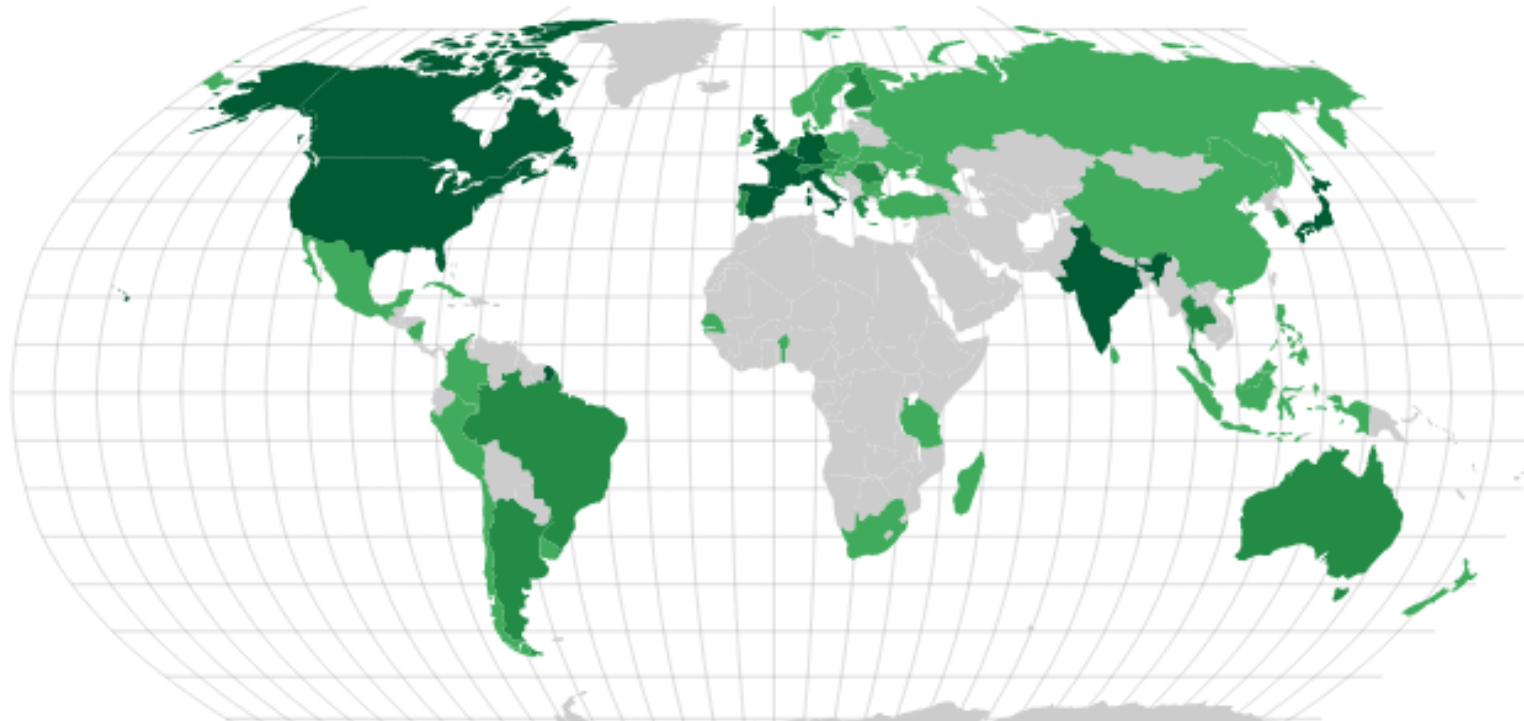
# Charter Members by region

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) · South Asia (22) · Sub-Saharan Africa (8)



# 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](https://wiki.osgeo.org/wiki/Board_of_Directors)



# OSGeo Mailinglisten

- 288 Mailinglisten (12.12.2018)
- OSGeo Discuss [discuss@lists.osgeo.org](mailto:discuss@lists.osgeo.org).
- [mapbender\\_users@lists.osgeo.org](mailto:mapbender_users@lists.osgeo.org)
- [qgis-user@lists.osgeo.org](mailto:qgis-user@lists.osgeo.org).
- [qgis-de@lists.osgeo.org](mailto:qgis-de@lists.osgeo.org).
- PostNAS-Suite [nas@lists.osgeo.org](mailto: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**



**33.225 (1.12.2018)**

- Etwa 100.000



Quelle: Markus Neteler monatliche Statistik

Freepik from Flaticon [www.flaticon.com/](http://www.flaticon.com/) CC 3.0 BY

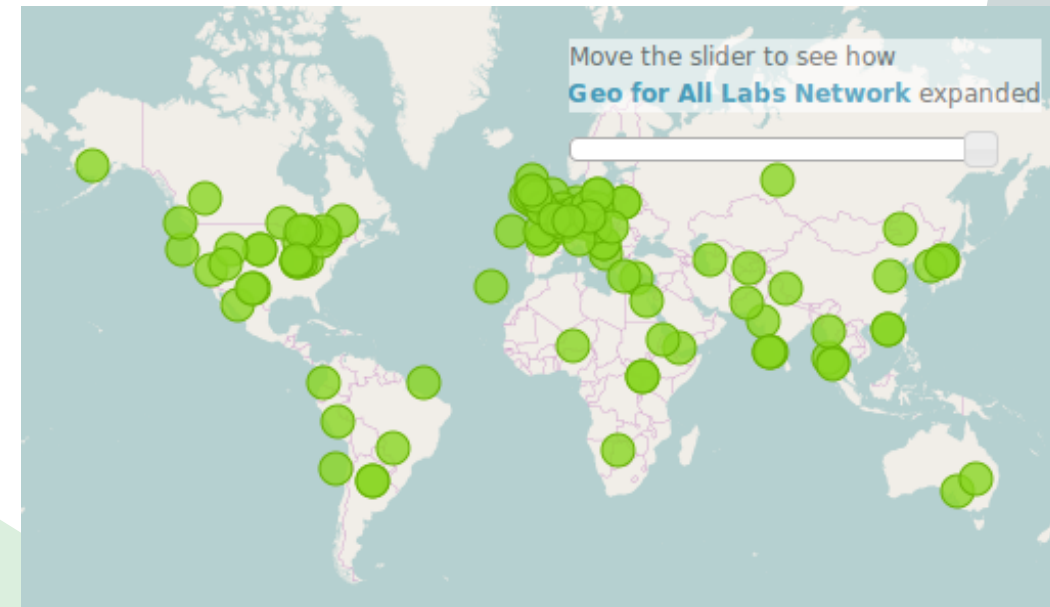


# Geo4All



**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](https://wiki.osgeo.org/wiki/Google_Summer_of_Code_2018)

Startseite 28 Mitteilungen

**Jorge Sanz**  
@xurxosanz

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

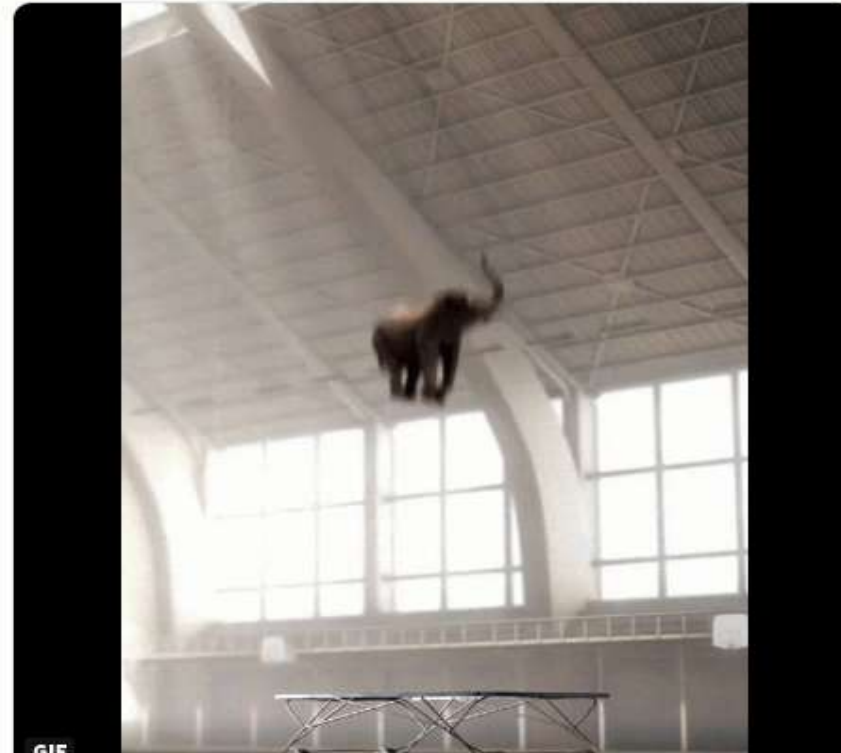
© MAD/VLC, Spain  
jorgesanz.net  
Beigetreten April 2008

**Jorge Sanz**  
@xurxosanz Folgen

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

[bit.ly/commitconf18-p...](https://bit.ly/commitconf18-p...)

Tweet übersetzen



Twitter

Folgen

**Wem folgen?** · Aktualisieren · Alle anzeigen

- Pedro-Juan Ferrer** @vehrka Folgen
- CARTO** @CARTO Folgen
- Iván Sánchez** Folgen



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 [TracGuid](#) 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 <i>please add your workshop</i>	2018-11-20 Afternoon	<a href="#">pgRouting</a> , <a href="#">PostGIS</a> , <a href="#">Osm2pgrouting</a> , <a href="#">QGIS</a> , <a href="#">GeoServer</a>	<a href="#">Workshop Material</a>

### 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		<a href="#">workshop material</a> Download Natural Earth data if you OSGeoLive running <a href="https://www.naturalearthdata.com/down">https://www.naturalearthdata.com/down</a> <a href="#">cultu</a>
Big geodata management and analysis using GRASS GIS (Veronica Andreo, Marco Ciolli, Luca Delucchi and	2018-08-27 14:00-17:00		<a href="#">workshop material</a>

[https://trac.osgeo.org/osgeolive/wiki/Live\\_GIS\\_Workshop\\_Install](https://trac.osgeo.org/osgeolive/wiki/Live_GIS_Workshop_Install)

### 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		<a href="#">worksh</a>

**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](http://trac.osgeo.org/osgeolive/wiki) ... You easily can go through the workshop with [@OSGeoLive](#) [http://http://live.osgeo.org](http://live.osgeo.org) Thanks [@FlxKu](#) and [@mapwebbing](#) for the support.

Tweet übersetzen



07:42 - 30. Aug. 2018

27 Retweets 43 „Gefällt mir“-Angaben



2 27 43

Twitter deine Antwort

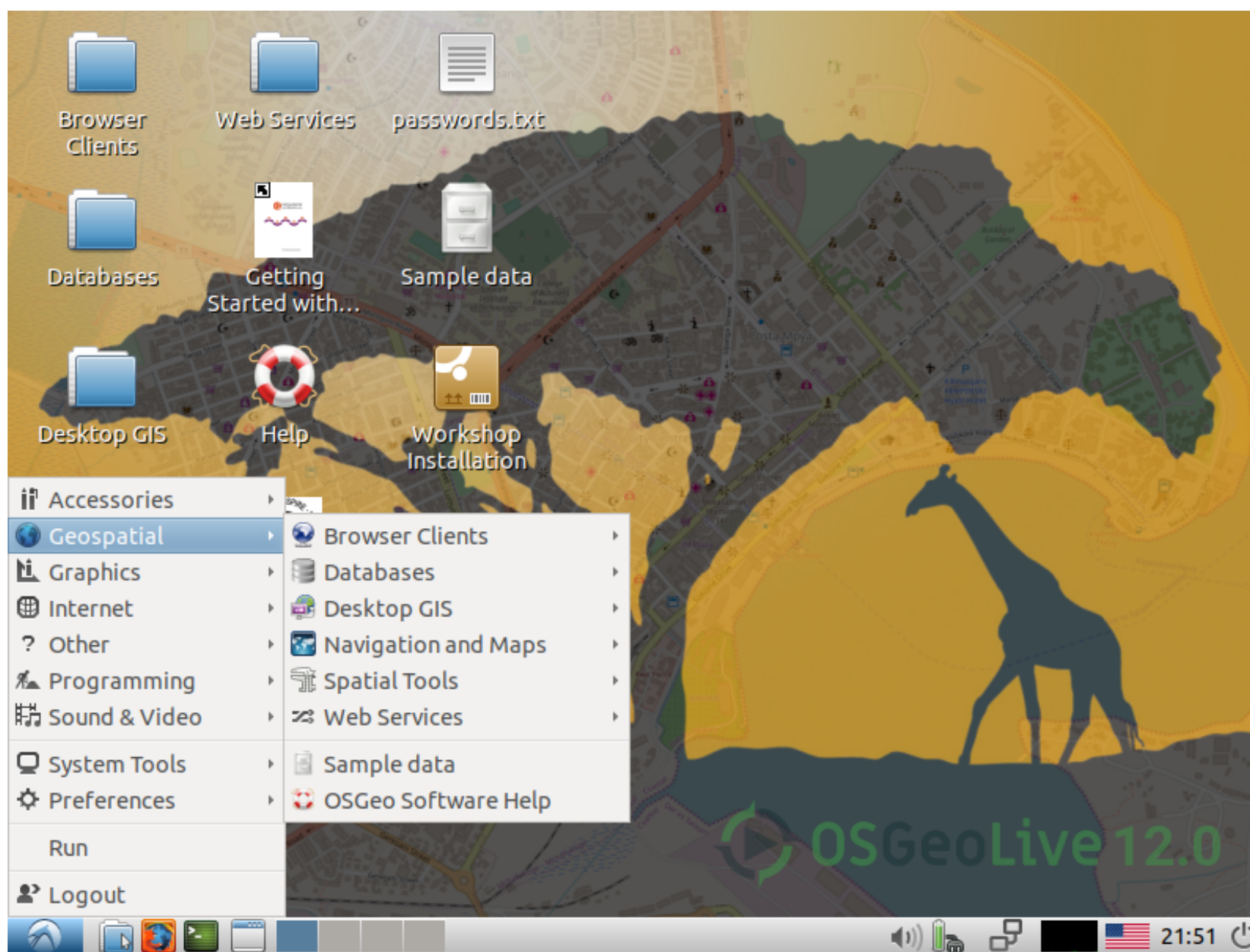
**Tshedy** @Tshedy4 · 30. Aug.

Antwort an [@astroidex](#) [@osgeolive](#) und 2 weitere

That was session was awesome and straight forward to follow, thank you!

[@astroidex https://twitter.com/astroidex/status/1035175831558078464](https://twitter.com/astroidex/status/1035175831558078464)

[workshop material](#) <https://github.com/astroidex/presentations/raw/master>



<http://live.osgeo.org>



# Unterstützung durch Sponsoren



Boundless



WIGeoGIS



terrestris



WhereGroup



# FOSS4G - Free and Open Source Software for Geospatial

<http://foss4g.org>



FOSS4G 2010  
Barcelona



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



CAPE TOWN SOUTH AFRICA  
FOSS4G 2008  
2008 FREE AND OPEN SOURCE SOFTWARE FOR GEOSPATIAL CONFERENCE



24th - 26th AUGUST







<https://2018.foss4g.org>

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

Drone Wings  
@DroneWings

Folgen

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/>



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

source  
compas

Web Mapping  
Desktop Applications  
Geospatial Libraries  
Metadata Catalogs



Empower every  
one with open  
source geospatial



Foto: Astrid Emde



Foto: Astrid Emde





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



# CROWD2MAP Tanzania



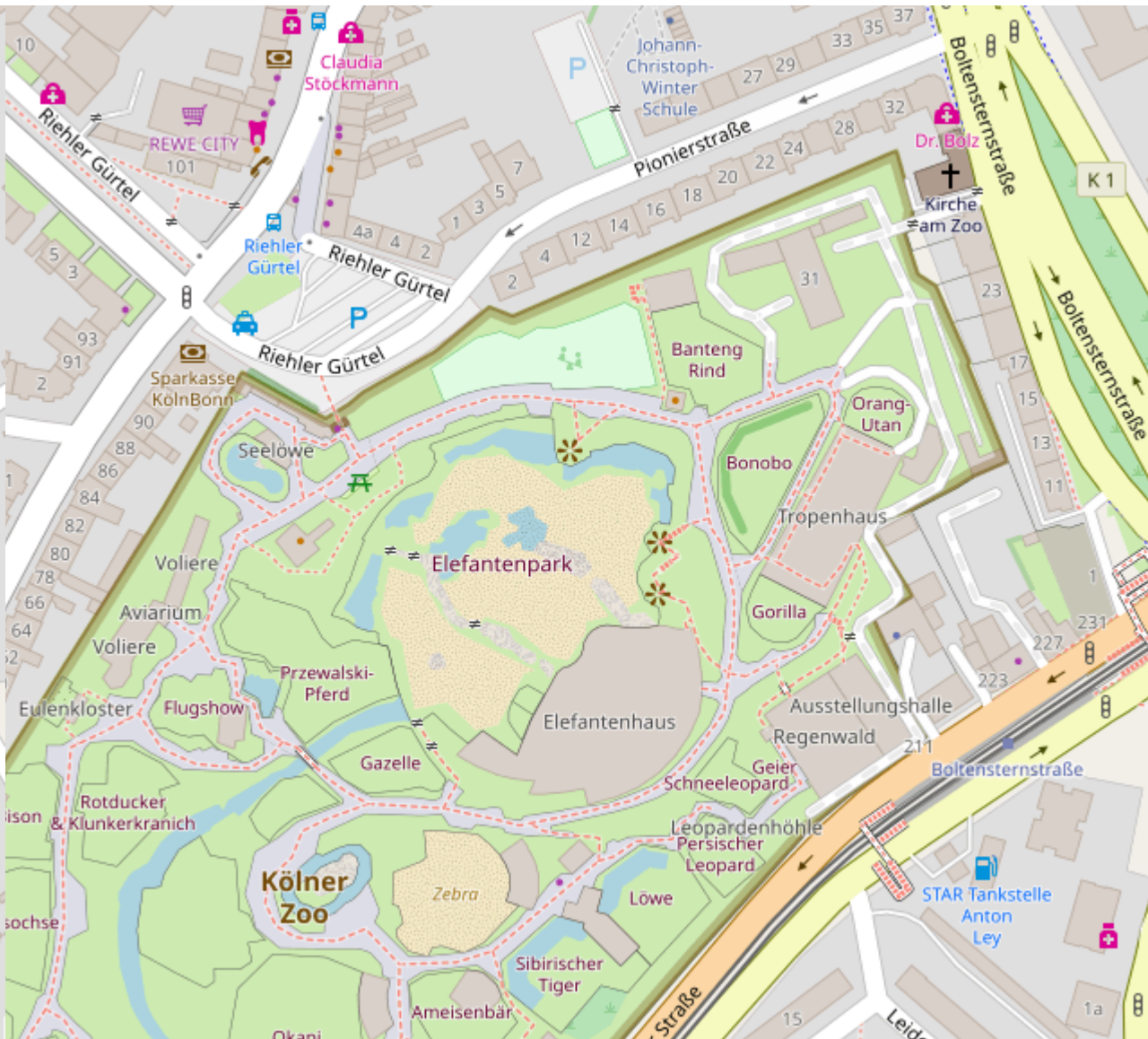
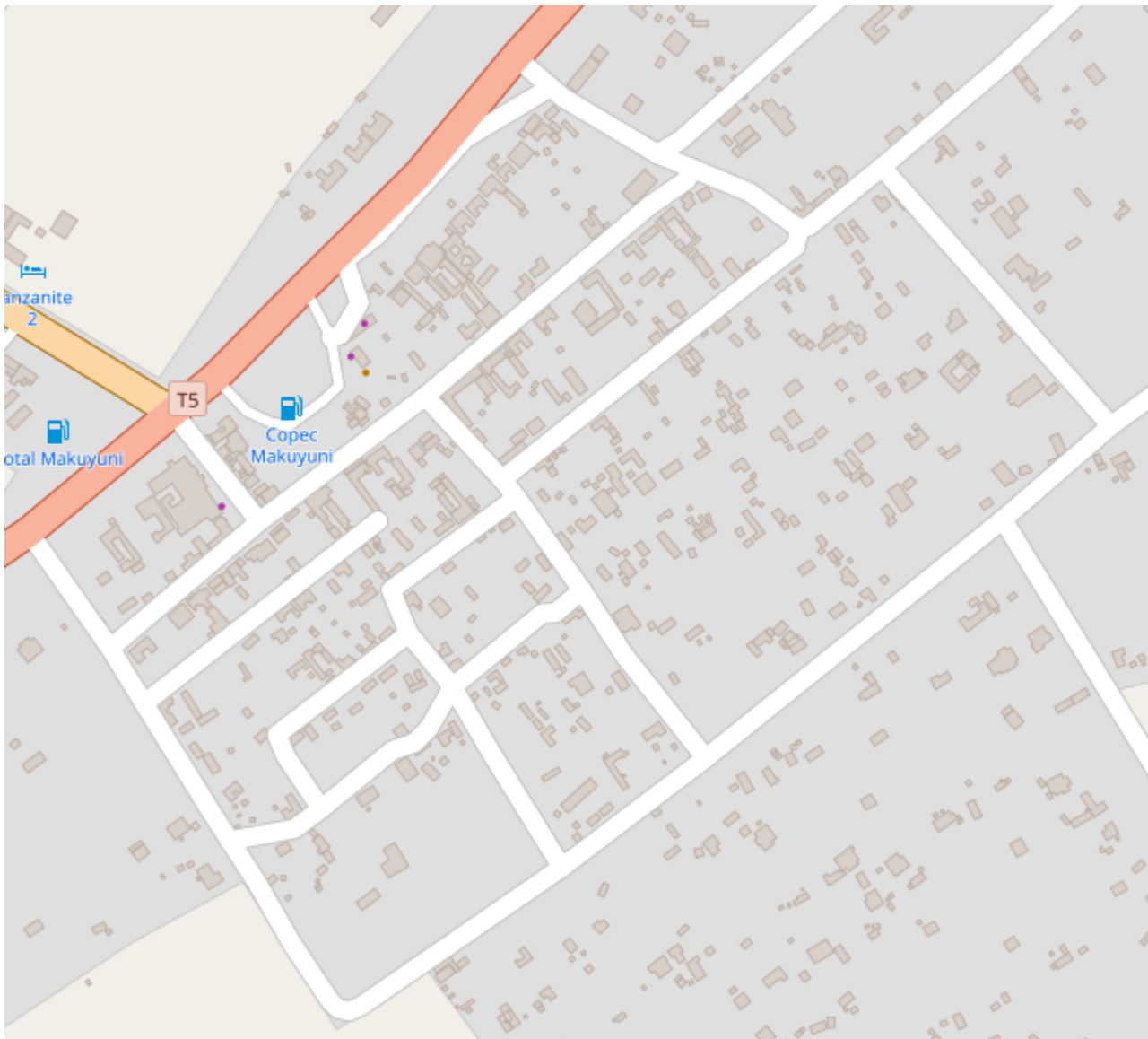
**Neema Meremo**

*Human Resource Manager*  
Hope for girls and women Tanzania



<https://youtu.be/AW3v18ZJYDg>

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



<http://fieldpapers.org/>



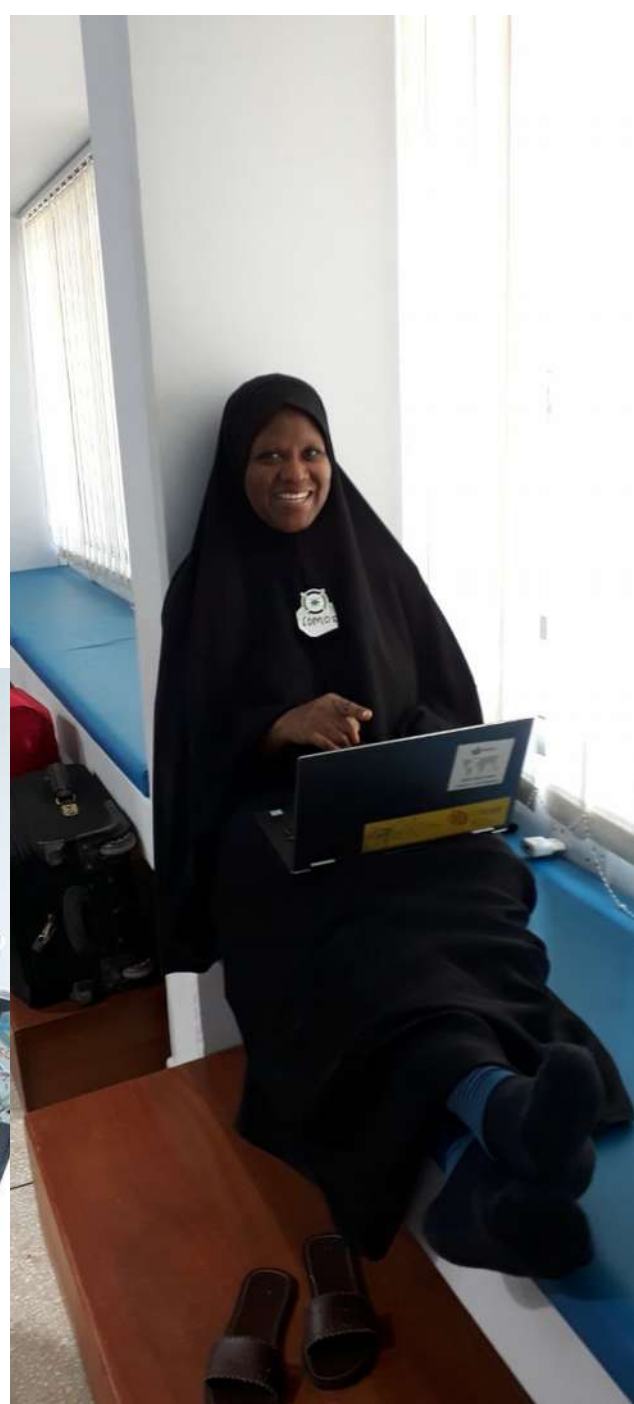
**SOL KATZ AWARD**

*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



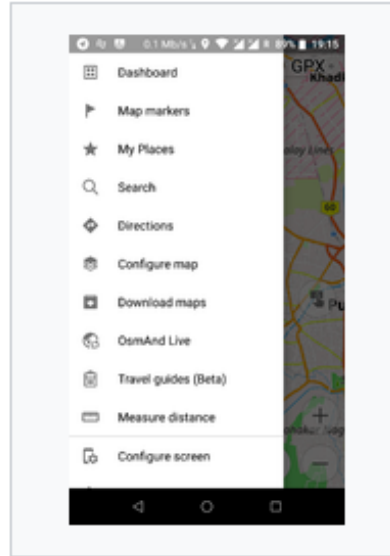
DATA FOR ACTION

dLab  
Africa Lab

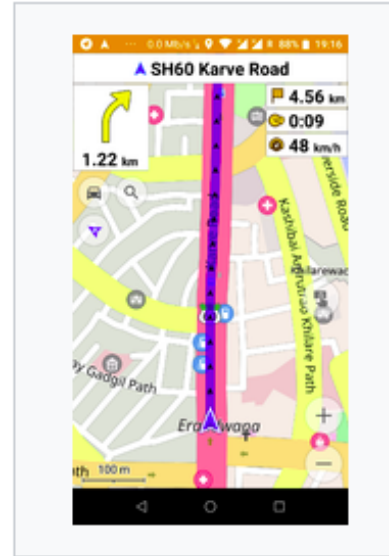
FOSS4G  
RESEARCH & INNOVATION  
IN OPEN SOURCE

Foto: Jody Garnett

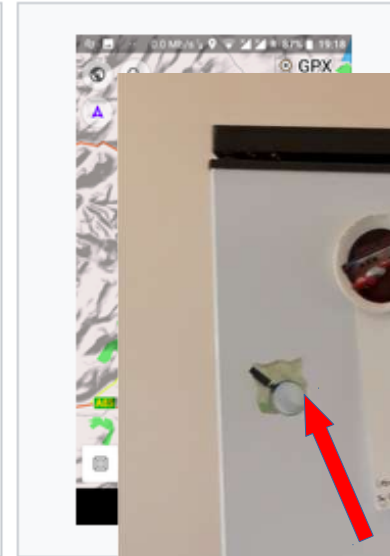
# OsmAnd



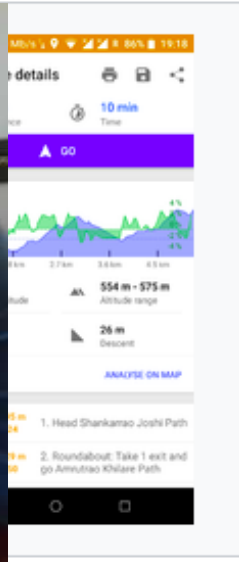
Main menu



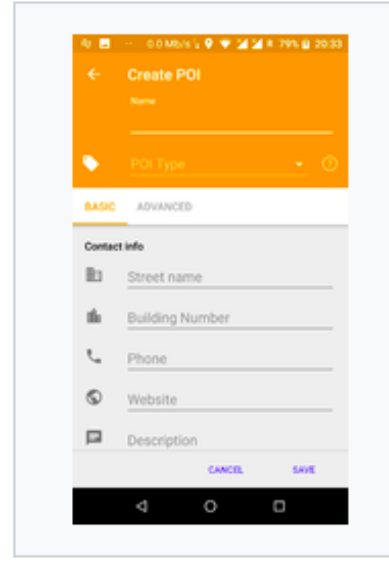
Car navigation



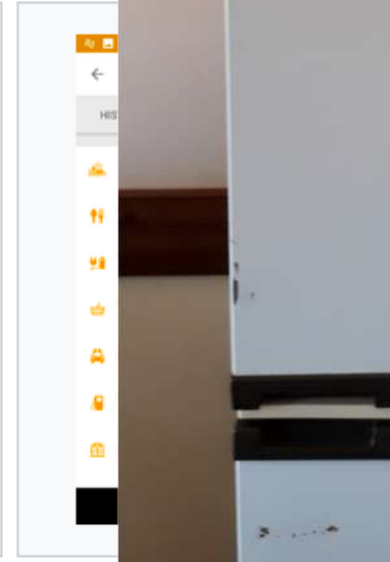
Map with



Route details



Modify/create POIs (offline)



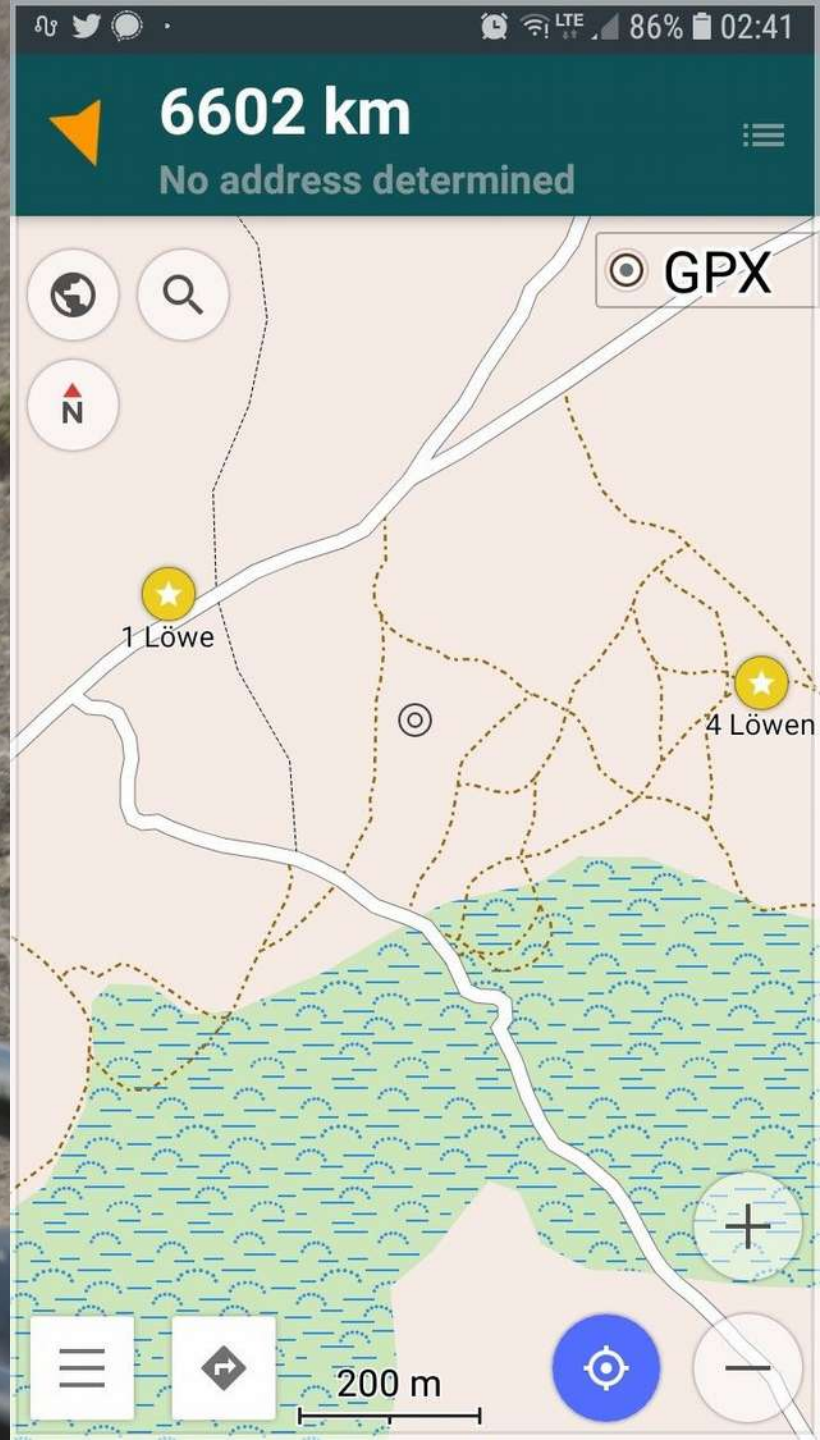
General



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

Fotos: Astrid Emde







**FOSS4G 2019 BUCHAREST**

**26. - 30. August 2019**

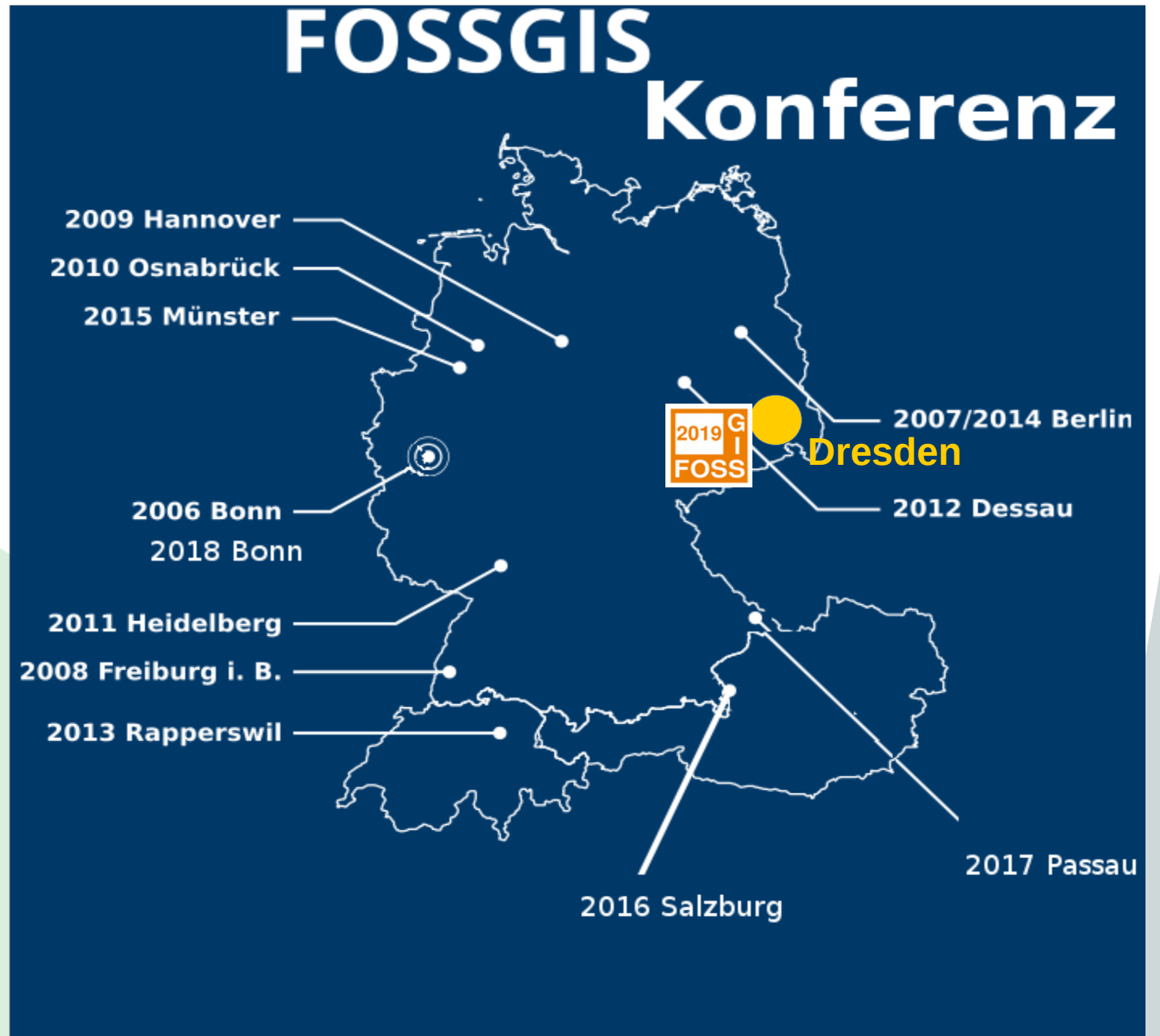
# FOSSGIS e.V.

- 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



linuxhotel  
Training & Coworking bei den OpenSource'lern



<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- & Anwendergemeinschaft 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/](http://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 28 Mitteilungen



**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/](https://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...](https://hannes.enjoys.it/geo/tag_der_dt_kleinheit/) mit @A\_Tack



12:33 - 7. Okt. 2018

7 Retweets 26 „Gefällt mir“-Angaben



hen Twittern



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

[https://hannes.enjoys.it/geo/tag\\_de  
r\\_dt\\_kleinheit/](https://hannes.enjoys.it/geo/tag_der_dt_kleinheit/)

# Wie groß muss ein Flurstück in ALKIS mindestens sein?

- 0,1 m<sup>2</sup>



- 1 m<sup>2</sup>



- 10 m<sup>2</sup>





# Wie groß muss ein Flurstück in ALKIS mindestens sein?

- 0,1 m<sup>2</sup>



- 1 m<sup>2</sup>



- 10 m<sup>2</sup>





Startseite Mittellungen Nachrichten Twitter durchsuchen



**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



<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

The screenshot shows the TIB AV Portal search results for the query 'fossgis 2017'. The page features a navigation menu with categories: BORROWING & ORDERING, SEARCH & DISCOVER, LEARNING & WORKING, PUBLISHING & ARCHIVING, RESEARCH & DEVELOPMENT, and TIB. A search bar contains the query 'fossgis 2017' and a 'Search' button. Below the search bar, the search space is set to 'TIB for Research and Business'. The results are displayed on 'Page 1 from 70 hits', sorted by 'Best results'. A 'Drilldown' section includes a 'Year of publication' bar chart showing a peak in 2017, and a 'Type of media' section with options for 'Audio-visual (69)' and 'Conference Proceedings (1)'. Two search results are visible: 'Eröffungsveranstaltung der FOSSGIS-Konferenz 2017' (Conference) and 'FOSSGIS 2017 - Anwenderkonferenz für Freie und Open Source Software für Geoinformationssysteme : Passau 22. bis 25. März 2017' (Free access).

TIB LEIBNIZ INFORMATION CENTRE FOR SCIENCE AND TECHNOLOGY UNIVERSITY LIBRARY

BORROWING & ORDERING SEARCH & DISCOVER LEARNING & WORKING PUBLISHING & ARCHIVING RESEARCH & DEVELOPMENT TIB

Search this site Search Contact & Service Deutsch Login

fossgis 2017 Search

Search space: TIB for Research and Business

Page 1 from 70 hits Sort by: Best results | [Currentness](#) | [Title](#)

Drilldown

Year of publication

2015 2016 2017 2018

Type of media

Audio-visual (69)

Conference Proceedings (1)

Source

« 1 2 3 4 »

**Eröffungsveranstaltung 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

**FOSSGIS 2017 - Anwenderkonferenz für Freie und Open Source Software für Geoinformationssysteme : Passau 22. bis 25. März 2017**

Free access

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



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**Vielen Dank für Ihre Aufmerksamkeit**

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