

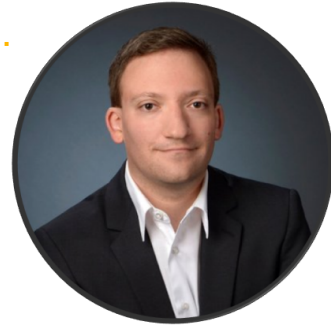


Florian Thiery M.Sc., Mainz, Germany
Clemens Schmid B.A., Kiel, Germany



Looking for the “grey value” in research and geodesy: Is there right or wrong in software framework decisions?





Moin!

we are Florian Thiery and Clemens Schmid.

We love to give presentations 😊

You can find us on Twitter @**fthierygeo** and @**nevromeCS** .

we are...

software engineers in
geodesy AND archaeology.



R | G | Z | M



Florian: Römisch-Germanisches Zentralmuseum Mainz
Clemens: Initiative for Statistical Analysis in Archaeology Kiel

“

*“we are looking for the
“**grey value**”
in research
and geodesy...”*



“

*...and try to find out,
if there is a
right OR wrong...*



“

*“..especially in
software framework
decisions.”*



working in research institutes as geodesist...



Valencia, Spain

**...or working in
geodesy
companies...**



Jardín del Turia, Valencia

...always deals
with the **same**
question...





is there the “right” decision?

in **geodesy** there
are a lot of
examples where
the “**right**”
decision is not
objectively given...

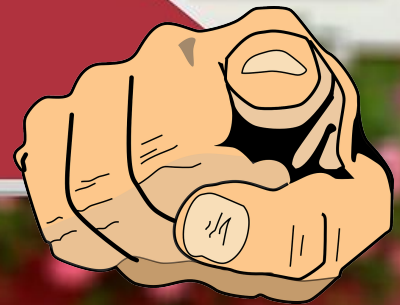


... it always
depends
on the usage!



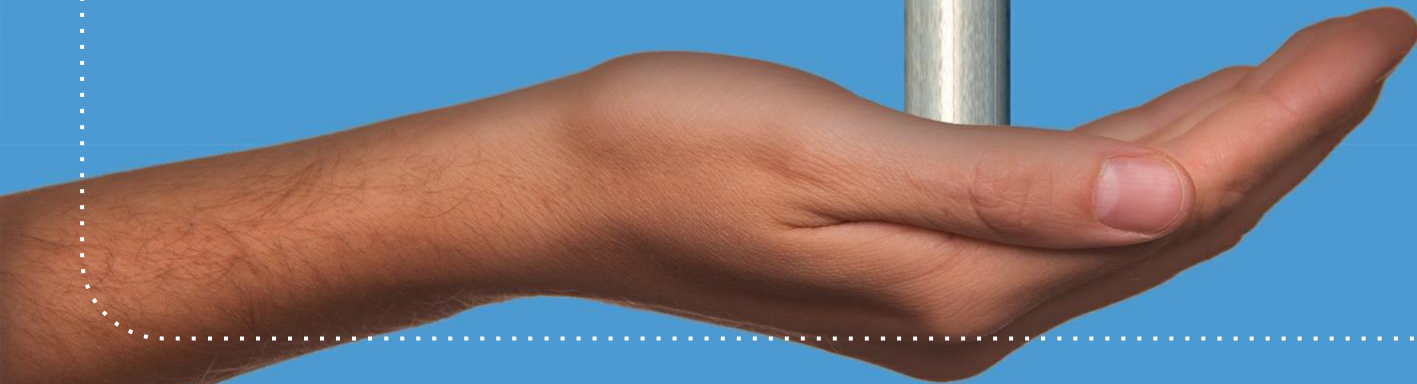
Choice

Choice



QGIS

ArcGIS



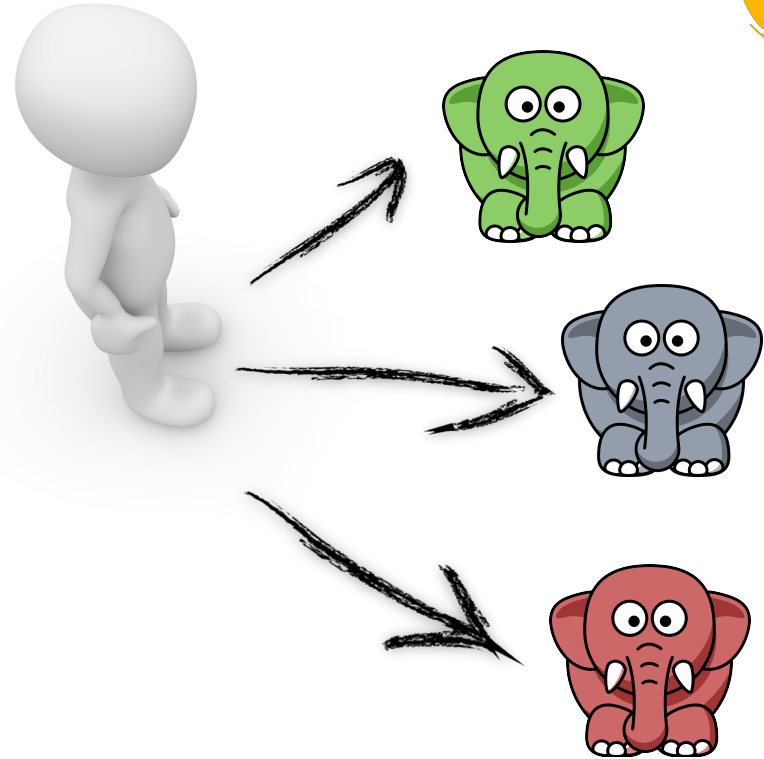
Open Street Map

Google Maps



decisions are difficult!

we are always
looking for
the “grey value”



**in geodesy research
and research in
general we have to
consider that it is
always political.**

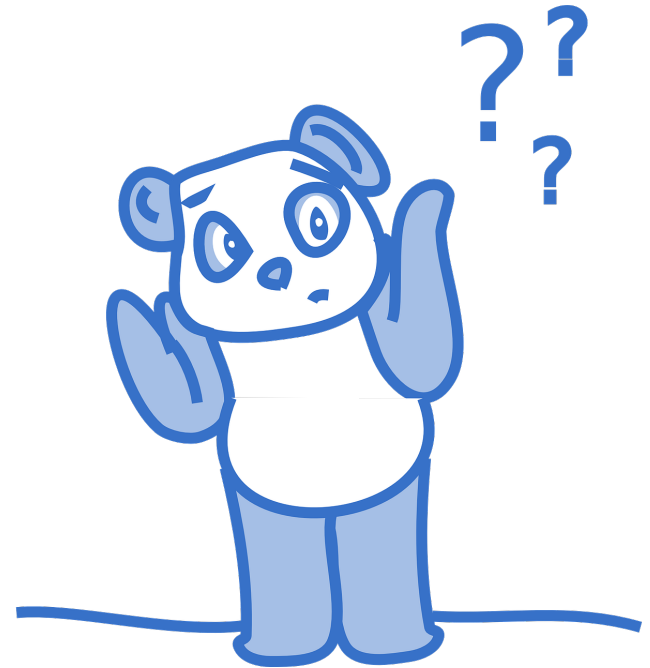


Fallas de Valencia

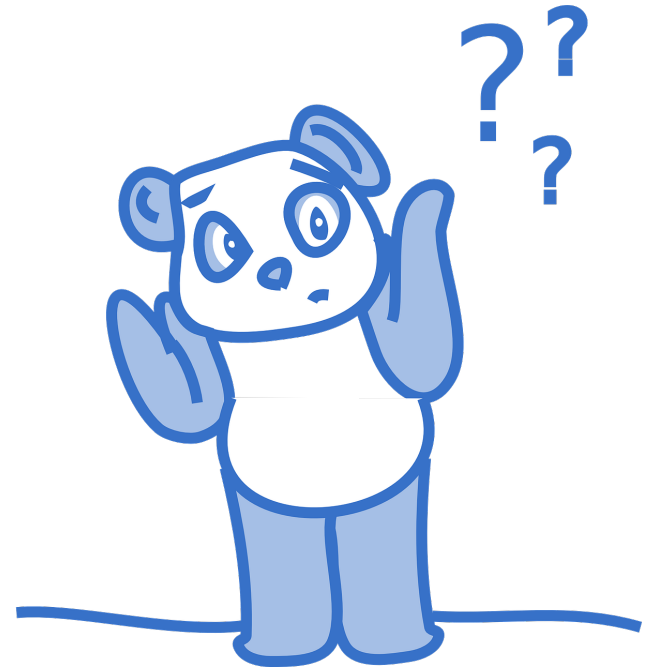
the “right” objective decision of a developer is often not concordant with the “right” political statement.



**open software and
open source code is
better than **close
blackboxes** to allow
reproducibility and
transparency, ...**



...but **proprietary software** might be **faster or more convenient** to use.



example
git

what is **git**?

- **git** is a version control system for tracking changes
- **git** is primarily used for source code management in software development
- **git** is free and open source software distributed under the terms of the GNU General Public License version 2

the **basic** software



git

git cloud services

GitHub



commercial:
centralised - owned by a firm

git cloud services



GitLab

semi-commercial: open source - centralised - owned by a firm -
decentral self-hosting possible

git cloud services



TeaHub
by Gitea & Gogs



community hold: open source - centralised - owned by a community - decentral self-hosting possible via Gitea / Gogs



Welcome to TeaHub

The Non-Profit Collaboration Project

Keep Open-Source open for everyone!

TeaHub is founded as a Non-Profit Organization, with the objective to give the Open-Source code that is running our world a safe and friendly home, and to ensure that free code remains free and secure forever.

We are currently in the process of being founded: designing service architecture, infrastructure, working out legal documents, filing and registration, and asking for your support.

A free platform for free software

Our ambition is to provide developers with a free and Open-Source repository version control platform and management user interface. To achieve this great goal TeaHub relies on [Git](#).

Fully transparent and completely in the hands of the crowd. We want to build a community that is actively shaping the platform they trust with their code.

We need your help

We invite you to join our journey. Support us to overcome legal and organisatory hurdles and to build and maintain the community-run infrastructure needed to keep Free and Open Source free and open forever.

[Donate](#)

Join us

Do you want to participate in this project? Sign up for Early Access.

TeaHub will use the information you provide on this form to keep in touch with you and to provide updates on the early access program.

You can change your mind at any time by clicking the unsubscribe link in the footer of any email you receive from us, or by contacting us at teahub@posteo.net. We will treat your information with respect. For more information about our privacy practices please visit our website. By clicking below, you agree that we may process your information in accordance with these terms.

[Request Early Access](#)

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14/06/2018: new idea for a community driven european git

our task...

“

*“looking for the **“grey value”**
and **“right” decision** in
version control software in
software development,
here especially **git.**”*



git fight





visibility vs. open source

community

ethics of science

GitHub

- 24 million users
- 1.5 million organizations
- 67 million repositories

GitLab

- some million users
- > 100.000 organizations

TeaHub

- under development



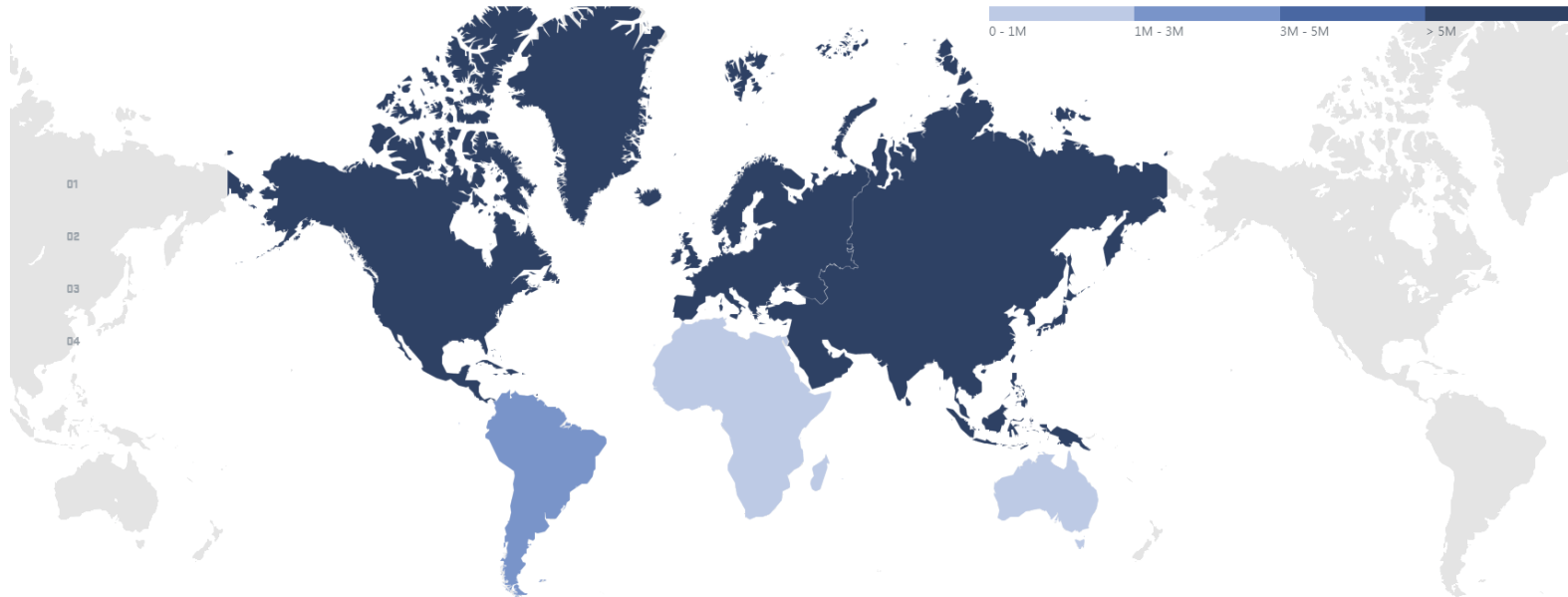
visibility



Everywhere you work

You've been collaborating from every corner of the earth. 24 million people use GitHub across 200 countries. This map approximates which continents use GitHub most.

GitHub



GitHub community

source: <https://octoverse.github.com/>

open source

GitHub

- commercial

GitLab

- semi-commercial OSS

TeaHub

- community hold OSS

...but Gitea is
also hosted on...



more FOSS (Free Open Source Software)

The largest open source
community in the world

There are millions of open source projects on GitHub.
Join one or start your own.

Sign up for GitHub

GitHub has the “largest open
source community in the world”
...but is **not open source** itself...

Microsoft to acquire GitHub for \$7.5 billion

June 4, 2018 | Microsoft News Center



Acquisition will empower developers, accelerate GitHub's growth and advance Microsoft services with new audiences



Related Posts

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Microsoft Build highlights new opportunity for developers, at the edge and in the cloud >

Xiaomi and Microsoft sign strategic MoU in cloud, devices and AI areas >

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Microsoft helps customers digitally transform their businesses with cloud, AI and mixed reality — while also advancing the next frontier of computing >

4/6/2018

Microsoft
to acquire
GitHub for
\$7.5 billion



developers **left Github** and import their repositories to **Gitlab**.



many developers do not want to leave their data with major companies and are in favor of more decentralization.



real open source: TeaHub?
community vs. companies - who wins?



solution?

maybe
a decentral
git OSS-index

for research
and developers...



apple

pear

but what you prefer...

apple

pear

...it is up to you!

Thx!

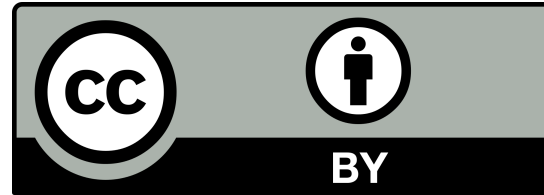
Any questions?

You can find us on Twitter @**fthierygeo** and @**nevromeCS** .

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