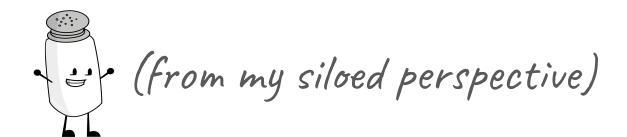
# FOSS4G In the Academe







marxtupas@gmail.com



marxT

# student



faculty (on leave)





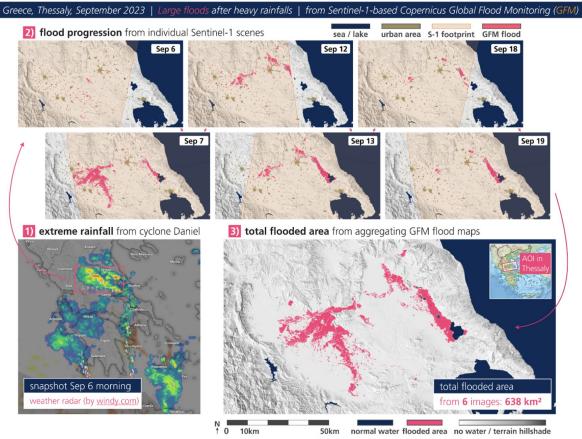


FOSS4G-PH volunteer

## **Global Flood Monitoring**

# **Open Data**

For the common good!









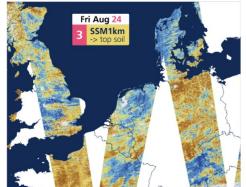


# **Open Data**

Western Europe, August 2018 | Summer rains & storms
Surface Soil Moisture (SSM1km) and Soil Water Index (SWI1km) @ Copernicus Global Land Service (CGLS)

**5-day sequence** of CGLS daily products at 1km sampling | detail over western Europe



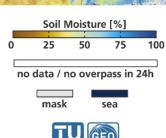




Still
for the common good!











# **Open Data**

#### **Funding**

This research was performed with the support of the Engineering Research and Development for Technology Program of the Philippine Department of Science and Technology, the project "S1Floods.AT" (Grant no. BW000028378) founded by the Austrian Rsearch Promotion Agency (FFG), and the project "Provision of an Automated, Global, Satellite-based Flood Monitoring Product for the Copernicus Emergency Management Service" (GFM), Contract No. 939866-IPR-2020 for the European Commission's Joint Research Centre (EC-JRC). The authors acknowledge TU Wien Bibliothek for financial support through its Open Access Funding by TU Wien.

Also for SCIENCE!!!

#### **Data Availability Statement**

The data presented in this study are openly available at: https://doi.org/10/48436/vtfkq-snz36.

bi.org/10)48436/vtfkq-snz36. but we're but we're

### Acknowledgments

The computational results presented have been achieved using inter alia the Vibina Scientific Cluster (VSC). The authors acknowledge Iftikhar Ali for his contibutions in processing the HAND dataset. We would further like to thank our colleagues at TU Wien and EODC for supporting us in technical tasks for maintaining the datacube.

#### Conflicts of Interest

The authors declare no conflict of interest.



Image by Melanie Imming

Not there yet! Open (Geo)Science Open Source Open Open Peer Methods Review Open Open Data Education Open Access https://opensocialwork.org/research/open-science/ Accessible Interoperable

Image by Sangya Pundir

ccessible Interoperable Prefers openness Image by Sangya Pundir





1. STUDY

THE FREEDOMS WE PROMOTE



3. SHARE



4. IMPROVE

https://www.softwarefreedomday.org/about/why-foss



https://www.softwarefreedomday.org/about/why-foss





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#### **Projects**



GRASS GIS





website 
 → source 
 pocumercation

GRASSGIS

GRASS GIS, commonly referred to as GRASS

(Geographic Resources Analysis Support.)

Website 
 Source □ Documentation



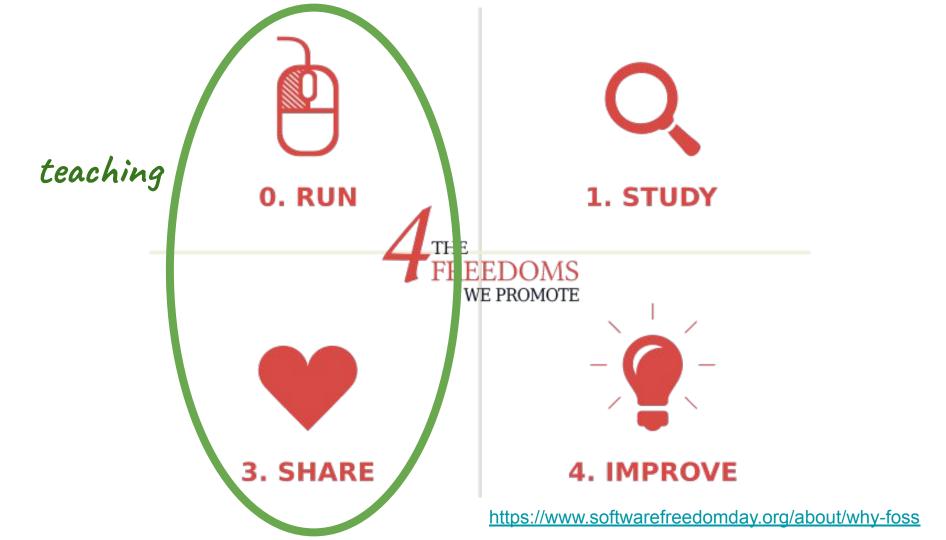


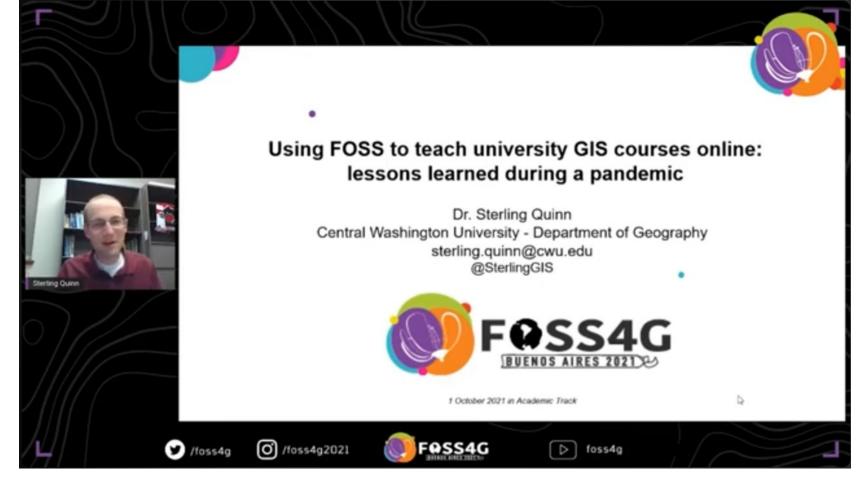


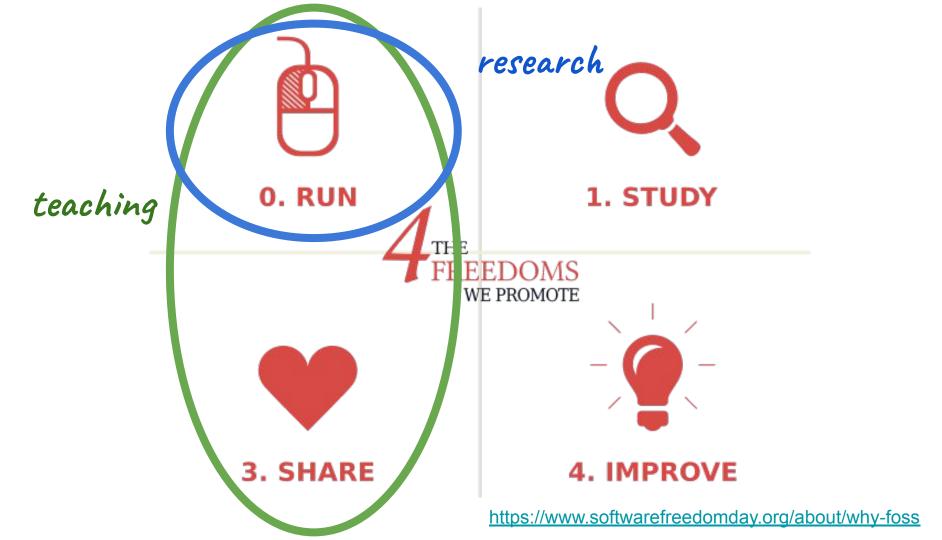




And many more outside the OSGeo umbrella...







# FOSS4G Academic Track



#### Deadlines

Submission of academic abstracts from 15/12/2022 to 28/02/2023 23:59 UTC

Announcement of accepted abstracts 15/03/2023

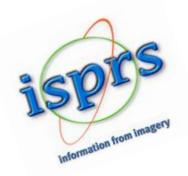
Submission of full academic papers 23/04/2023



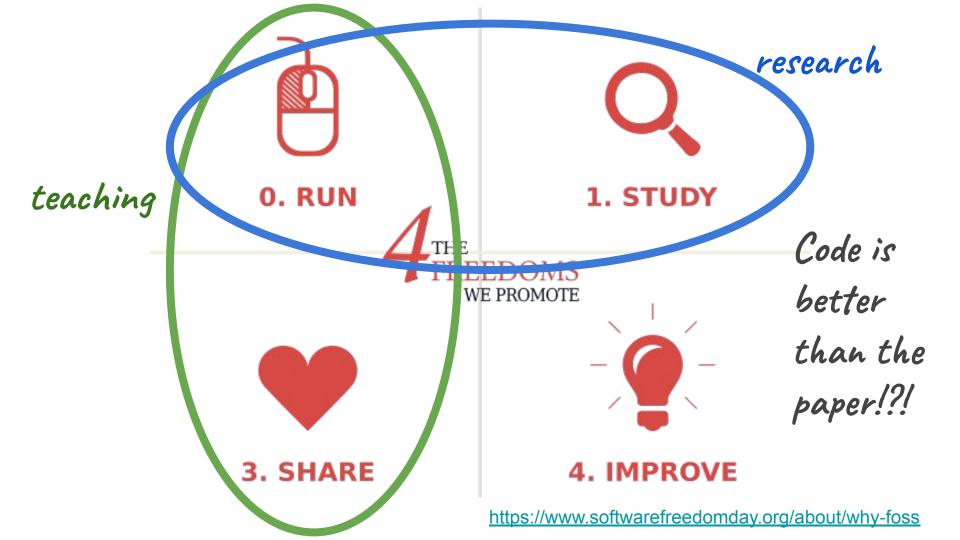
Following an established tradition, FOSS4G organizes an Academic Track which will run over the days of the Conference. The Scientific Committee of FOSS4G 2023 invites original research contributions addressing any topic or domain connected to Open Source Geospatial Software, including (but not limited to) Open Hardware, Open software development, Open GIScience, Open Geospatial Data Sharing Systems, Open (Geospatial) Cloud Platforms and Services, Open (Geo)Education, Participatory Mapping, Digital Twins, GeoAl and Geospatial Machine Learning.

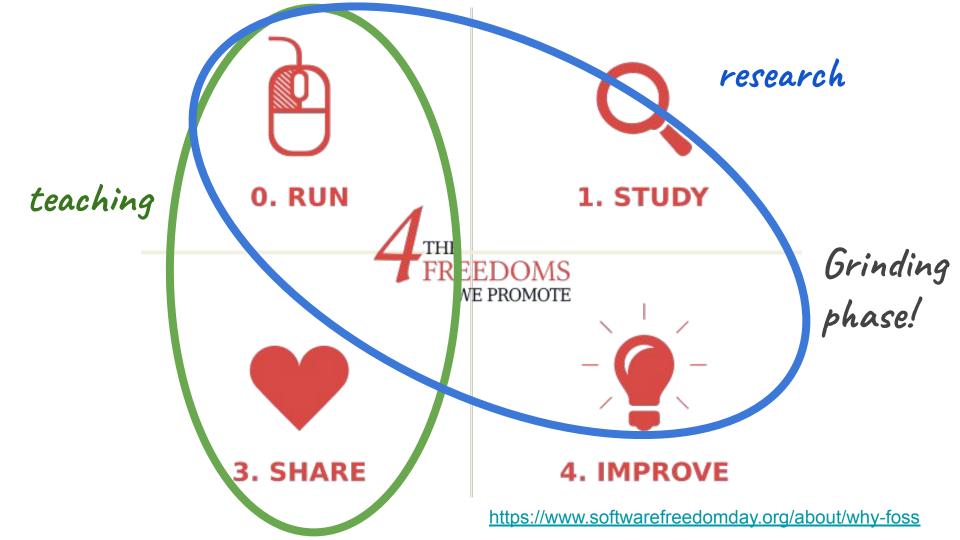
All types of papers are welcome, including on results achieved, case studies, work in progress, reviews and demos. We discourage, however, mere presentations of technology or use cases without properly justifying originality against the scientific state of the art and without particular novelty. In addition, the use of open source geospatial software should be properly highlighted. Contributions from PhD students and early-stage researchers are particularly encouraged.

In the evaluation of proposals, the Scientific Committee will pay particular attention to the reproducibility of the research (where this is applicable). Reproducibility is ensured when the research makes all artefacts (input data, computational steps, methods and code) openly available to obtain consistent results. When available, the code shall be publicly released under an open source license.



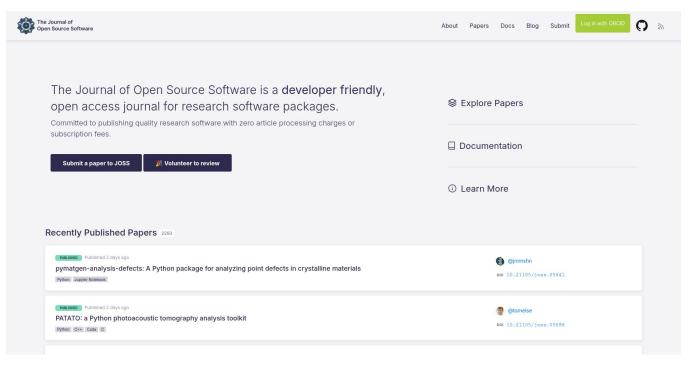
#### How to Submit a Paper

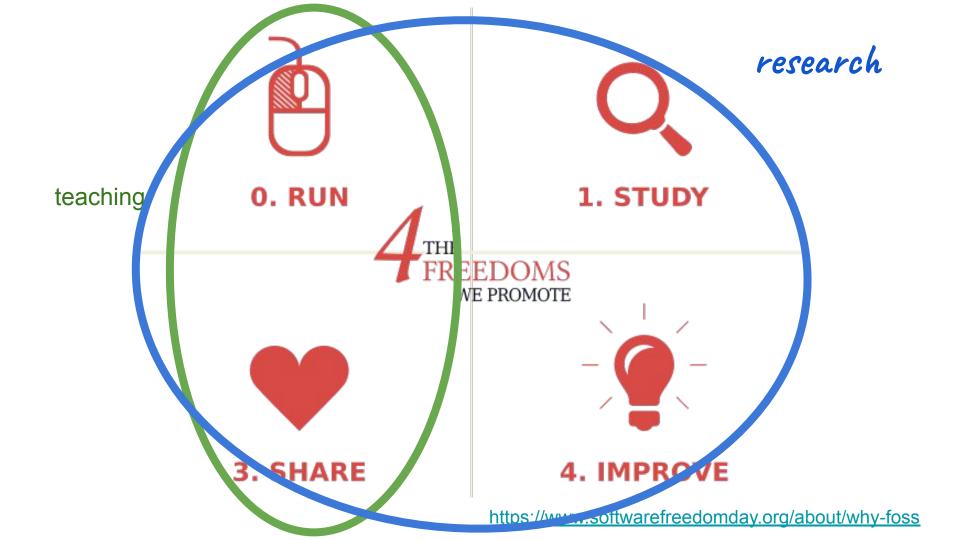


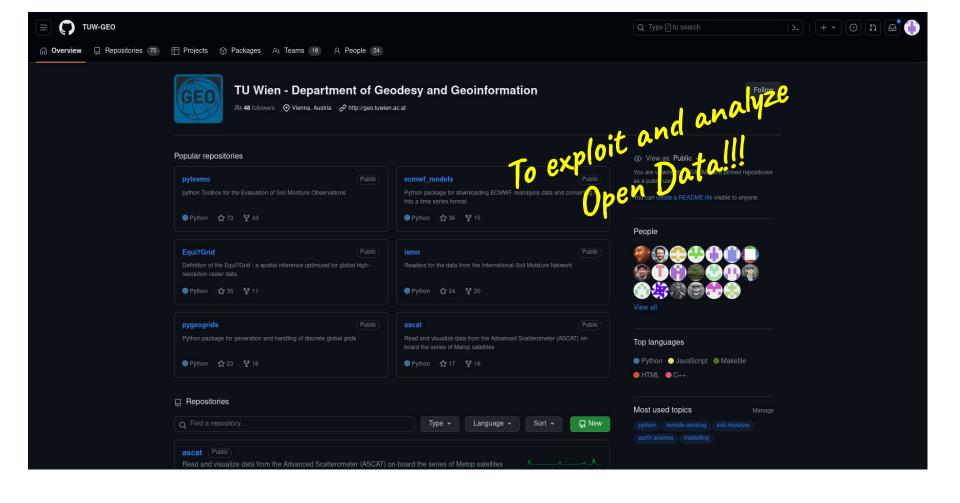


# Journal of Open Source Software

https://joss.theoj.org/







# **EOMaps**





#### What can EOmaps do for you?

- Create 
   multi-layered maps and interactively compare different layers with each other
- O Visualize datasets with millions of datapoints and handle reprojections
- · Provide a comprehensive set of tools to customize the map

# https://raphaelquast.github.io/EOmaps/

Projects ~

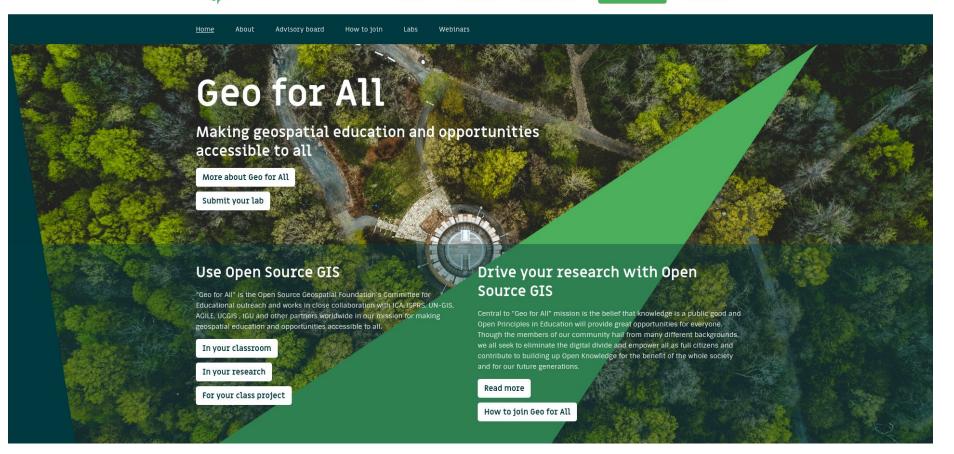
Resources

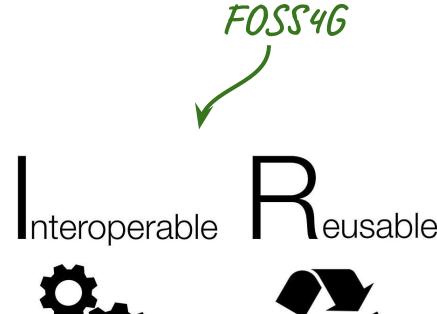
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FOSS46

Image by Melanie Imming





marxtupas@gmail.com



marxT

# student



faculty (on leave)







FOSS4GPH volunteer



# Maraming Salamat!