

FOSS by/for EPFL researchers

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My topic proposition

"On the need for a showcase webpage of EPFL OSS projects (for research & governance) and do not make it only about politics"



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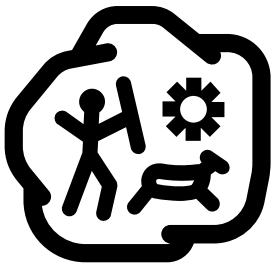
"On the **need** for a **showcase webpage** of **EPFL OSS** projects (for **research** & governance) and do **not** make it only about **politics**"



A few motivation points



- Researchers produce some great code / software
- Some of it becomes a staple of their group's research projects
- Some of it may even become part of start-ups or larger endeavors



- Researchers discover others' software during events or meetings
- Some research groups use their lab's website as a showcase
- Many use only GitHub for their Open-Source code / software

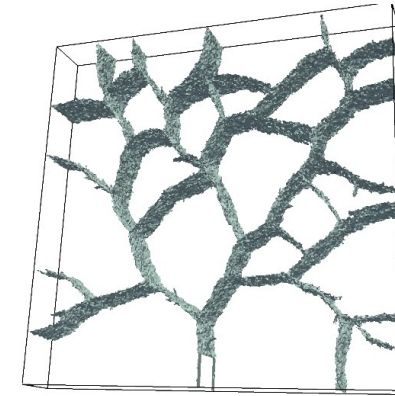


- Services and researchers have no vision on others' work
- Reinventing the wheel still costs time ~ money
- No official showcase for researchers' OSS

3/1000s possible examples

Ex.1: *Akantu* [[ENAC Open Science](#), [Actu '21](#), [akantu.ch](#)]

Finite elements mechanics software: convergence of interests during last RDM Lunch Talks w/ Prof. Molinari.



Ex.2: *Polisis* [[Wired](#), [LSIR – EPFL](#), [PriBot](#)]

Linkrot on many great online tools on EPFL webpages, some pointing to GitHub, others to other EPFL pages.

Context of retaining your data ⌚

“

Pokémon will keep your personal information so long as you have an account with Pokémon, provided, however, that Pokémon will use commercially reasonable efforts to delete any personal information collected by Pokémon that is no longer relevant to your use of the Services offered by Pokémon. To the extent that you have installed a Pokémon App on your device, Pokémon will keep your personal information within such App for so long as you keep the App on your device.

95% Confident

Ex.3: “my” list 😊 [[go.epfl.ch/OSS-for-RDM](#)]

There exist many OSS alternatives to software that can support researchers’ work.

EPFL-made eTools

- [AIIDA](#): Automated Interactive Infrastructure and Database, especially useful for Computational Science. It is developed publicly on the [aiida-core](#) GitHub repository.
- [Akantu](#): Open Source software for Finite Elements simulations, connecting accurate models with high performance computations, by the LSMS laboratory at EPFL.
- [DHCANVAS](#), a Web Application for Exploration and Annotation of Historical Documents
- [EPFL ELN](#): Especially conceived around chemistry needs, it is an Electronic Laboratory Notebook as well as a repository for spectroscopic data, with some helpful tools.

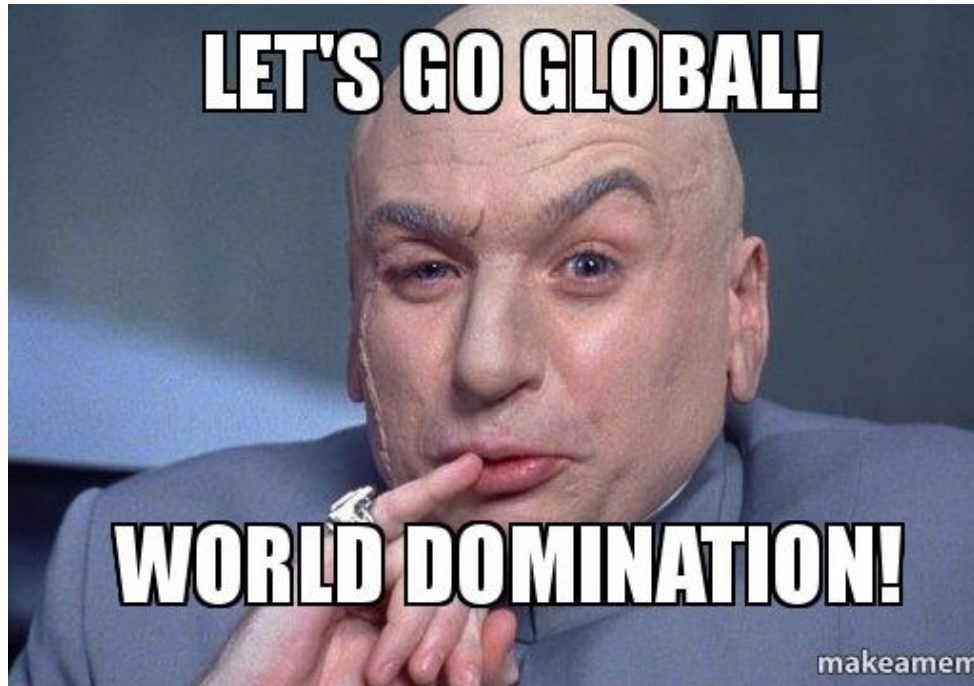
But what to showcase?



If produced by researchers

- Accessible on Git* with open license
- 1+ EPFL person develops it
- Last release < 1 yr old
- Reselase(s) on Zenodo's EPFL community
- Used for 1+ scientific publication
- The PI agrees to provide a description
- 1 EPFL contact person is available

But what to showcase?



If maintained / produced by services

- Accessible on Git* with open license
- 1+ EPFL person maintains / devs it
- Last release < 1 yr old
- Reselase(s) on Zenodo's EPFL community
- Actively used in 1+ research project
- The PI agrees to provide a description
- 1 EPFL contact person is available

Who and how?

- Joint EPFL **webpage**?
- **Maintained** by Research Data Management library team?
- **Collaborating** with ... ?
- Having **regular meetings** every ... ?
- **Communicating** among us with ... ?
- **Advertising** the showcase after we ... ?
- ... etc. ...

My topic proposition → Discussion

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