

Open Data Strategy at the HES-SO

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Swiss Research Data Day

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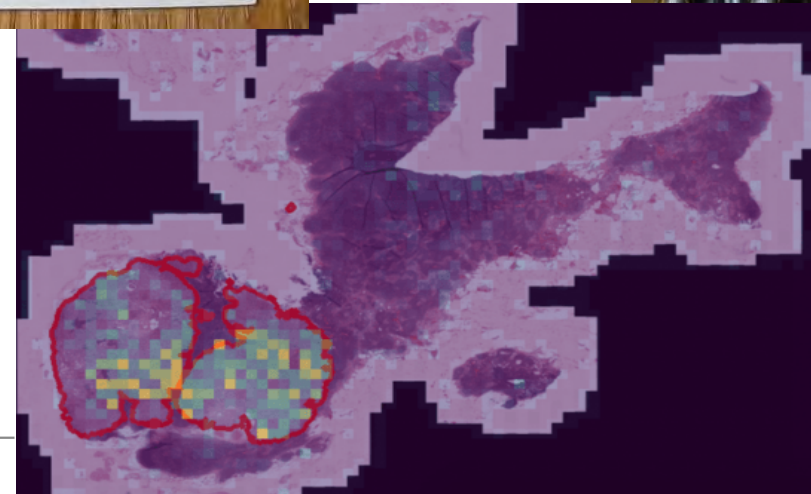
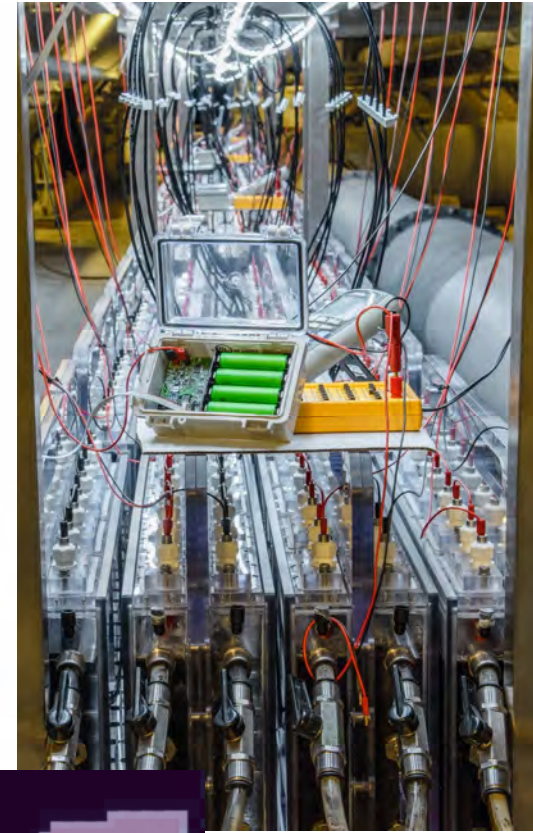
Open data implementation context at HES-SO

➤ A practice still in its infancy

- The practice is still not well established in our schools,
- It arouses both interest and fear: Tension between benefits for science / society and control of the researcher's work
- It raises **methodological** questions (how to prepare data), **legal** and **ethic** questions (data protection), **practical** questions (which infrastructure, costs), **epistemological** question (reproducibility in social and human science,...) etc.



Specific challenges : Diversity of Research



Specific challenges : Applied Research with / financed by professional



<https://www.openaire.eu/how-to-make-your-data-fair>

Confidentiality agreements :

- As closed as necessary ?
- Could a part of the data be open ?
- How and for who's benefit ?
- With which control of the researcher ?

Privacy :

- Not only anonymisation of interviewed persons
- Resist pression of certain founders
- Intellectual property rights in art

HES-SO INITIATIVES FOR OPEN DATA

Data Management Plan at the HES-SO

A survey carried out in June 2020 among about a hundred HES-SO researchers who have submitted a DMP to the SNSF makes it possible to:

- **Lift the fears** of our researchers regarding the DMP. The first DMP takes a little time. Then it goes by itself. It is above all a question of familiarizing oneself with the research data in a new report. The exercise is considered important from a scientific point of view... but does not always mean Open Data!
- Highlight the **need for greater support** within the institution, including disciplinary support (data curators ? Investigating good fair infrastructures ?)
- Open a reflection on the **role of librarians** as support

Training, awareness and information events

The challenges of Open Data are complex and imply a radical change in the way research is approached.

- Several training courses, created in partnership with the DLCM, are provided to our researchers
- Online video tutorials in partnership with HEG-Ge
- Reflection workshops are organized in the different schools upon request
- Collaborative committee with researchers from all domains
- Dissemination of information through a website and an Open science newsletter
- Effective support is provided (data curator, DPO, etc.)

Encouraging open publication of data

Call for Open Data projects

- Goal : give a strong impulse to the Open data and provide a body of methodological advices to the specific disciplines and methodologies, based on practical experience in each field
- The call has generated a great interest.

Encourage “domains” strategy for Open Data

- Different realities, methodologies, partners, kind of data etc.
- Internal programs to encourage Open Data (incentives)



Legal and ethical issues

Open data is in a tension between the requirements of data openness and the legal constraints of data protection.

- Elaboration of a whole series of recommendations for our schools both in terms of data protection and IT security.
- Reflection on the establishment of resource persons to manage legal and ethical issues at the HES-SO.
- Ideal: to have an institutional DPO in each canton as regional systems and procedures differ significantly



Dealing with Infrastructures

- Many different internal systems and procedures for preservation during and after the project !
- Not always suitable for long term preservation
- HES-SO choice : using existing repository => disciplines ? Accessibility ? Quality of support ? Size of certain data media (audio, video) ?
- Partnerships are essential for us (OLOS, FORS, swissuniversities, Switch etc.).



Hémisphère 18 / 2019

Conclusion

- Cultural change for researchers that needs time and support
- Need for harmonisation of local procedures, policies and infrastructures
- Economic issues related to repositories and their integration with other infrastructures (open access repositories, external infrastructures (Orcid, etc.), internal data infrastructures, ...)
- In terms of Open data, the national strategy and its action plan are expected by 2022.

Thank you for your attention