# SNSF Open Research Data Policy

Lionel Perini

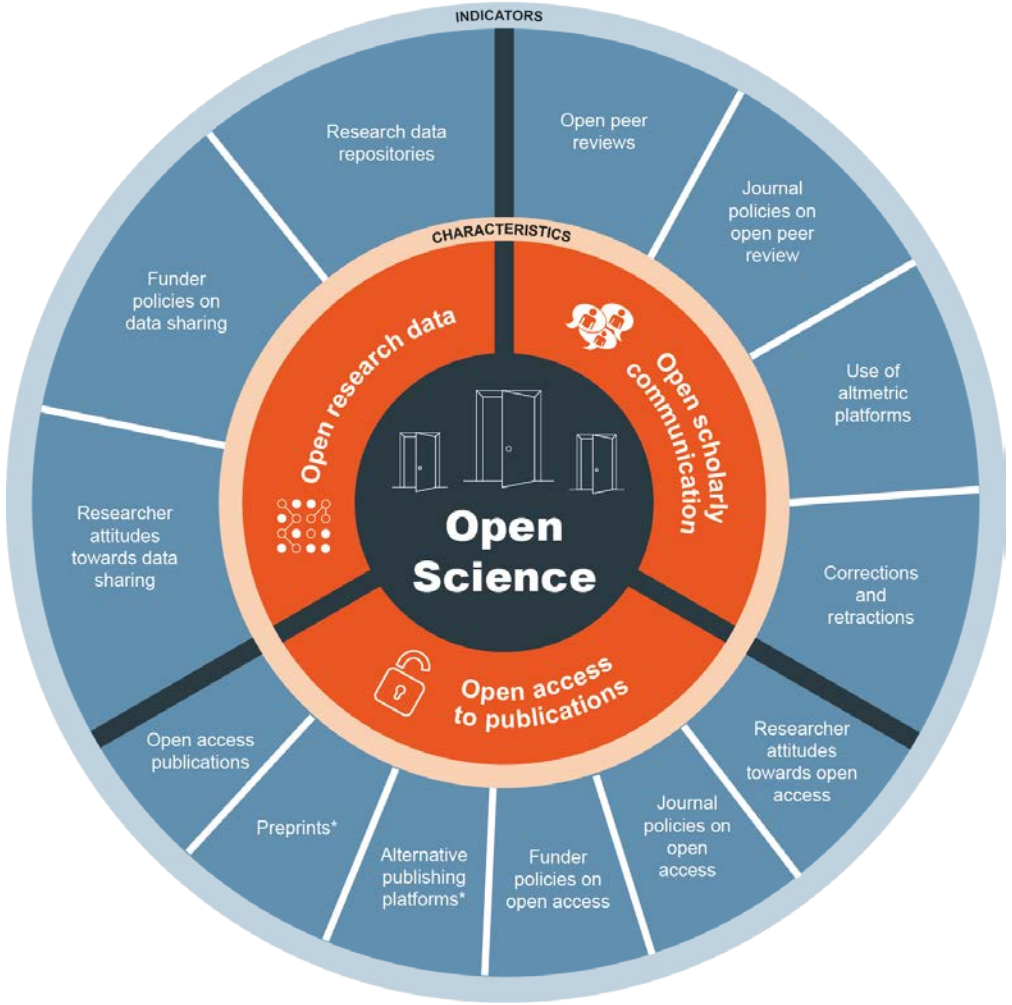
September 4, 2018 – University of Geneva

# Open Science and Science Culture

«**Open science** is about **the way researchers work, collaborate, interact, share** resources and disseminate results. A systemic change towards open science is driven by new technologies and data, the increasing demand in society to address the societal challenges of our times and the readiness of citizens to participate in research. »

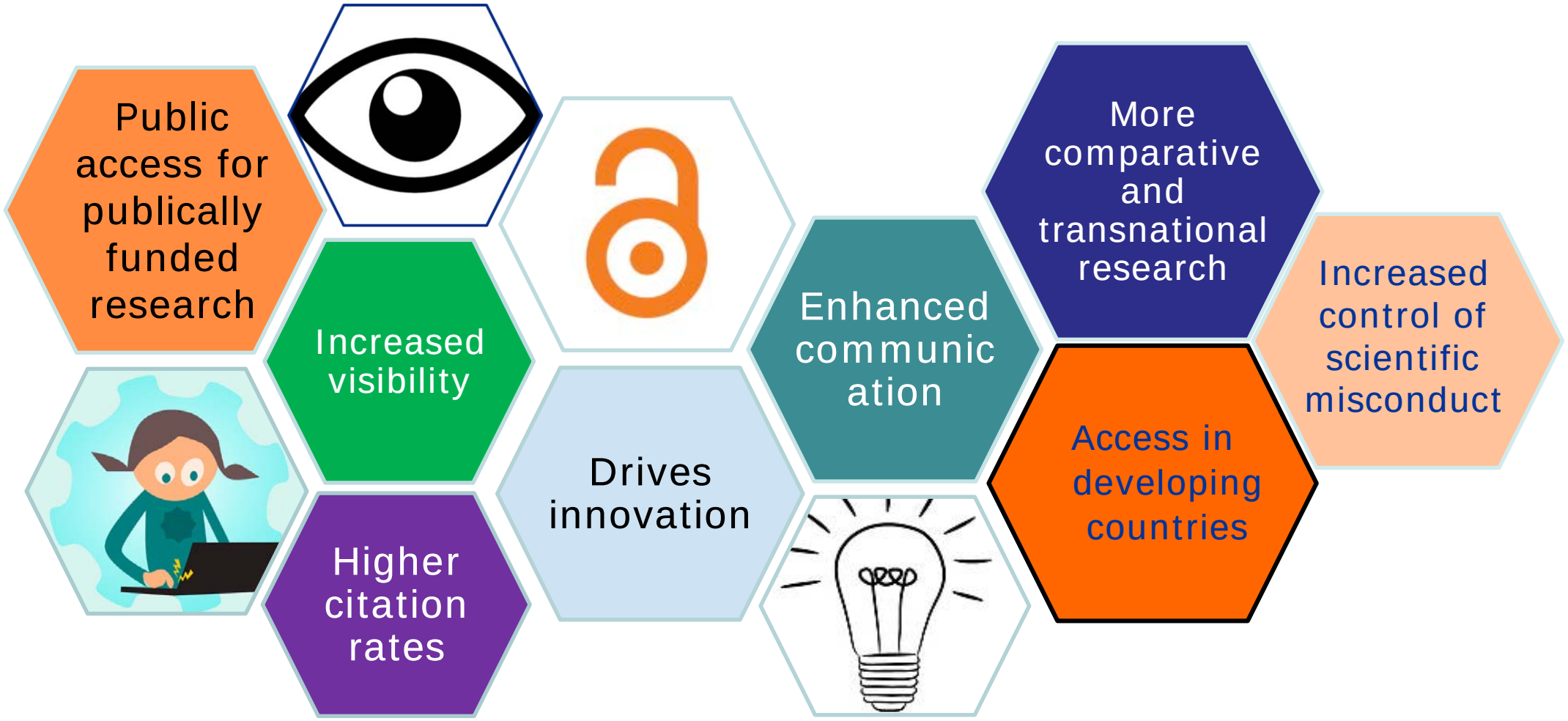
Amsterdam Call for Action, p. 4.

http://www.openaccess.nl/sites/www.openaccess.nl/files/documenten/amsterdam-call-for-action-on-open-science.pdf




EU Open Science Monitor

# Greater Impact with Open Access/Science



# SNSF policy on Open Research Data – Background and Aims

The SNSF values research data sharing as a fundamental contribution to the impact, transparency and reproducibility of scientific research. In addition to being carefully curated and stored, the SNSF believes research data should be shared as openly as possible.

**Funding Regulations Article 47b**

«data collected with the aid of an SNSF grant must be made available to other researchers and integrated into recognized scientific data pools»

# SNSF policy on Open Research Data – Implementation

The SNSF expects all its funded researchers

- to store the research data they have worked on and produced during the course of their research work,
- to share these data with other researchers, unless they are bound by legal, ethical, copyright, confidentiality or other clauses, and
- to deposit their data and metadata onto existing public repositories in formats that anyone can find, access and reuse without restriction.

# Data Management Plan –
# Part of project submission

- Researchers have to include a data management plan (DMP) in their funding application for most of the funding schemes → DMP is a formal requirement

- DMPs are not part of the review process (no access for external reviewers).

- At project submission, DMPs are considered as drafts.

- Applicants can explain in the DMP if there are any issues linked to data sharing.

# Data Management Plan – Structure

**1 Data collection and documentation**

1.1 What data will you collect, observe, generate or reuse?
1.2 How will the data be collected, observed or generated?
1.3 What documentation and metadata will you provide with the data?

**2 Ethics, legal and security issues**

2.1 How will ethical issues be addressed and handled?
2.2 How will data access and security be managed?
2.3 How will you handle copyright and Intellectual Property Rights issues?

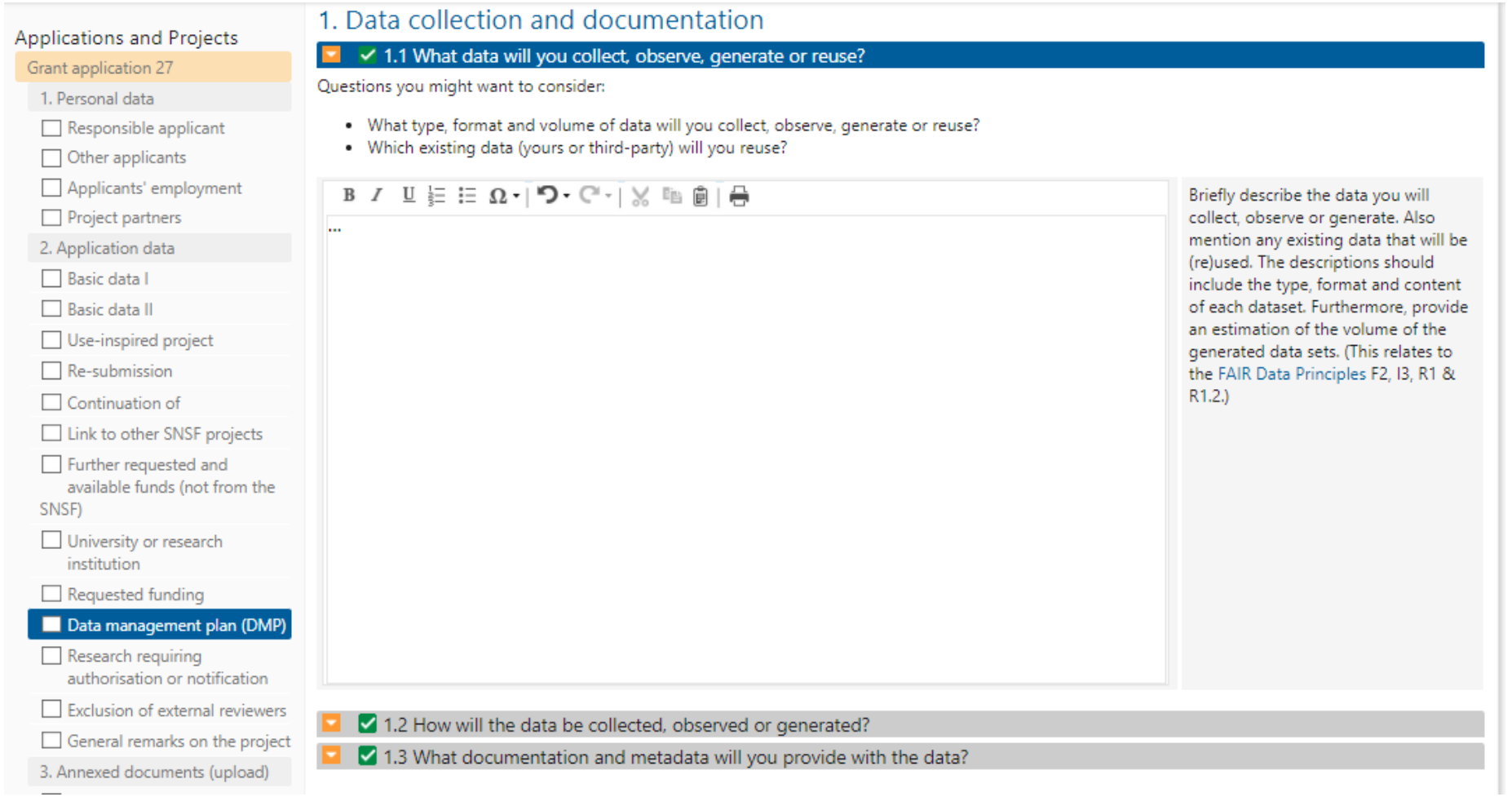
**3 Data storage and preservation**

3.1 How will your data be stored and backed-up during the research?
3.2 What is your data preservation plan?

**4 Data sharing and reuse**

4.1 How and where will the data be shared?
4.2 Are there any necessary limitations to protect sensitive data?
4.3 All digital repositories I will choose are conform to the FAIR Data Principles.
4.4 I will choose digital repositories maintained by a non-profit organisation.

# Data Management Plan – Structure (mySNF)



# Data Management Plan – Life cycle

- A “plausible” DMP is a condition for the release of the funds.
- DMPs are editable. Researchers have the possibility to update the content of their DMP at any time during the funding period of the research project.
- Once SNSF funding has ended and the final scientific report has been approved, the DMP cannot be modified anymore.
- The DMP is shared on P3 (SNSF’s public database) at the end of a project.

# Data sharing – Principles

- SNSF expects data of a publication to be shared.
- Data needs to be shared as soon as possible on data repository, but at the latest at the time of publication of the respective scientific output.
- Additional data can be shared if the researcher wishes to do so.
- Repositories need to be digital and conform to the FAIR data principles.

# FAIR Data Principles

**FAIR** principles: data sets are prepared so that they are

**Findable:**
_Attribution of Persistent Identifiers (e.g. DOI)
_Provide metadata
_Data set indexed in a searchable resource

**Accessible:**
_Data access and location is clearly described and defined
_Metadata accessible even when data access is restricted

**Interoperable:**
_Use of standard/controlled vocabularies
_Qualified references to other data present

**Reusable:**
_Metadata is richly described
_Data usage license is defined
_Domain-specific community standards used?

non-exhaustive list; for more information see: FAIR Principles: Wilkinson *et al.*, 2016. Scientific Data

# Data sharing – Cost contributions

- A maximal cost contribution of CHF 10'000 per grant is installed for:
  - ❑ data uploading costs and
  - ❑ related data preparation costs (prior to and for upload only).

- Data uploading costs are not paid if the data repository is commercial.

- Cost contribution can be exceeded, if justified.

# Next steps

- First experiences in the different SNSF funding schemes and monitoring (feedback to institutions)
- Collaboration with Science Europe and EOSC Initiative
- Collaboration with swissuniversities: concept for data repositories in Switzerland
- Multi-annual plan SNSF: concept of SNSF actions for fostering data repositories

# Open Research Data – SNSF Webpage


Profile
Organisation
Evaluation procedures
Partners
Research policies
- Animal testing
- Gender equality
- International Collaboration
- Language policy
- Open Access to Publications
- **Open Research Data**
- Promotion of young researchers
- Scientific integrity
- Use-inspired basic research
- Statements and factsheets

Jobs & mandates
Contact
Publications
Events
SNSF Blog


## Open Research Data

Research data should be freely accessible to everyone – for scientists as well as for the general public.

The SNSF agrees with this principle. Since October 2017, researchers have to include a data management plan (DMP) in their funding application for most of the funding schemes. At the same time, the SNSF expects that data generated by funded projects are publicly accessible in digital databases provided there are no legal, ethical, copyright or other issues.

Please consult the webpages of the different funding schemes to see whether a DMP is required when submitting an application.

**SNSF policy on Open Research Data**

**Guidelines and Regulations**

**FAIR Data Principles for Research Data Management**

**Contact**


Open Research Data
E-mail ord@snf.ch

Contact: **ord@snf.ch**

# UNIGE Research Services

## Rencontre avec le FNS

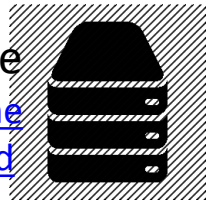
*4 septembre 2018*

*Hugues Cazeaux*

*Hugues.cazeaux@unige.ch*

# AVAILABLE e-Services

NAS Académique
catalogue-si.unige.ch/stockage-recherche
plone.unige.ch/distic/pub/nas-acad



AoU

Publication Preservation
catalogue-si.unige.ch/ao-deposer
archive-ouverte.unige.ch

HPC
catalogue-si.unige.ch/hpc
baobabmaster.unige.ch

Git Repository
*pré-production*
gitlab.unige.ch

# FUTURE e-Services

**2019**

Research Data
Long-term Preservation

Digital Humanities
Portal

**2019-**

ELN/LIMS
Integration

OCR

IaaS
PaaS

Container

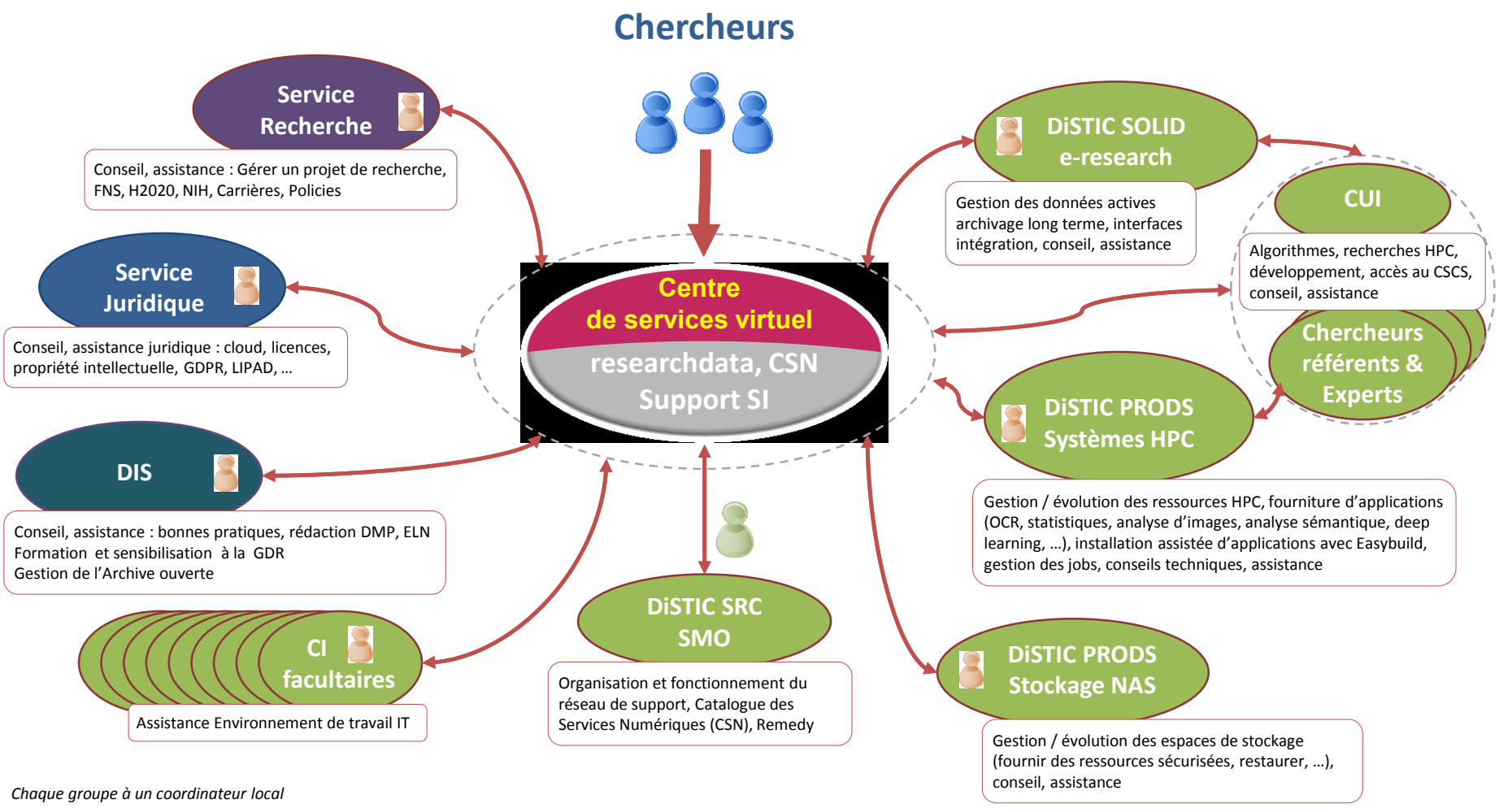
Image Recognition

Crowd Sourcing

…

*Strategy not yet decided in details*

# Support & Expertise




*Chaque groupe à un coordinateur local*

# Merci de votre attention

- Questions ?

Data management information meeting

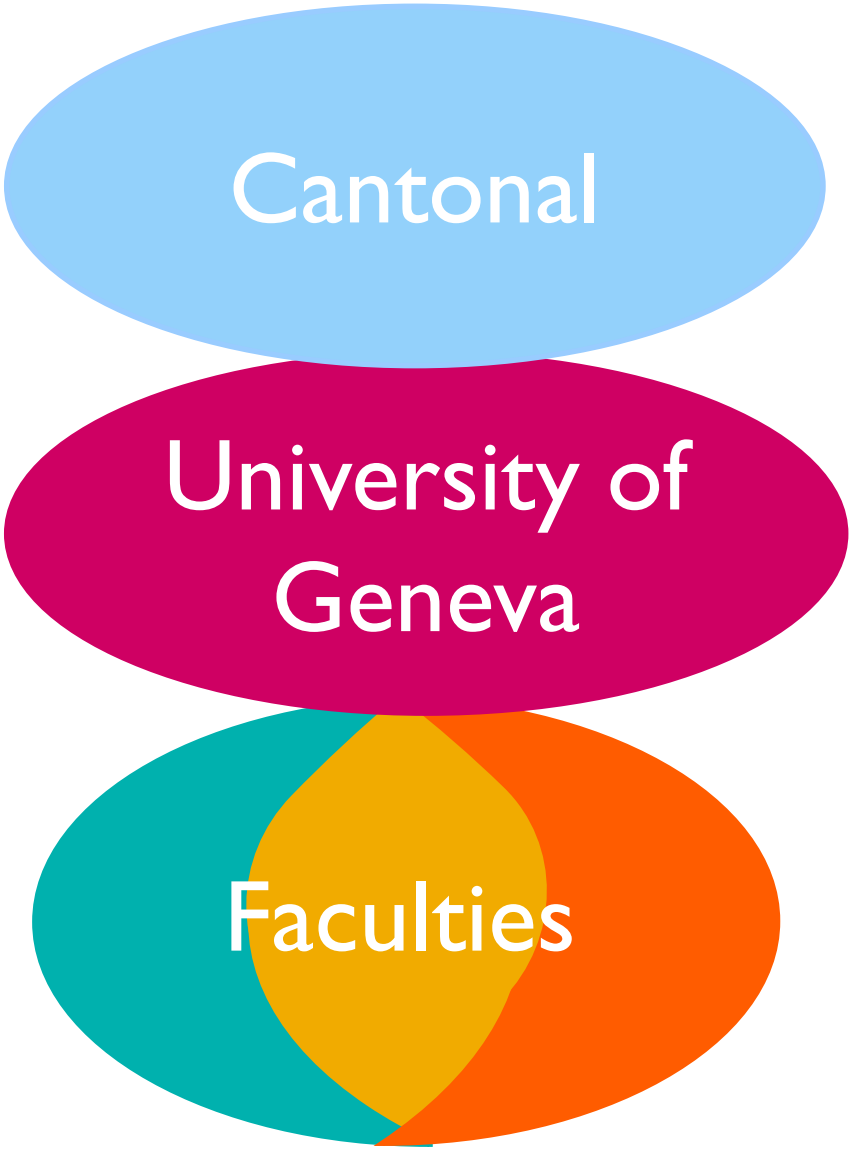
# Ethics: To which commission should I submit my research project?

Christel Nigg, Scientific assistant

University of Geneva, Tuesday, September 4, 2018

UNIVERSITÉ DE GENÈVE

# Commissions for Ethics in Research



# Cantonal Commission for Ethics in Research (CCER)

- In application of the Federal Law on Research on Human Beings since 2014 (LRH)

  http://www.admin.ch/opc/fr/classified-compilation/20061313/index.html

- Researchers from any institution based in Geneva can contact the CCER (e.g. UNIGE, HUG, pharma companies, …)
- Focuses primarily on medical research and research on populations of patients

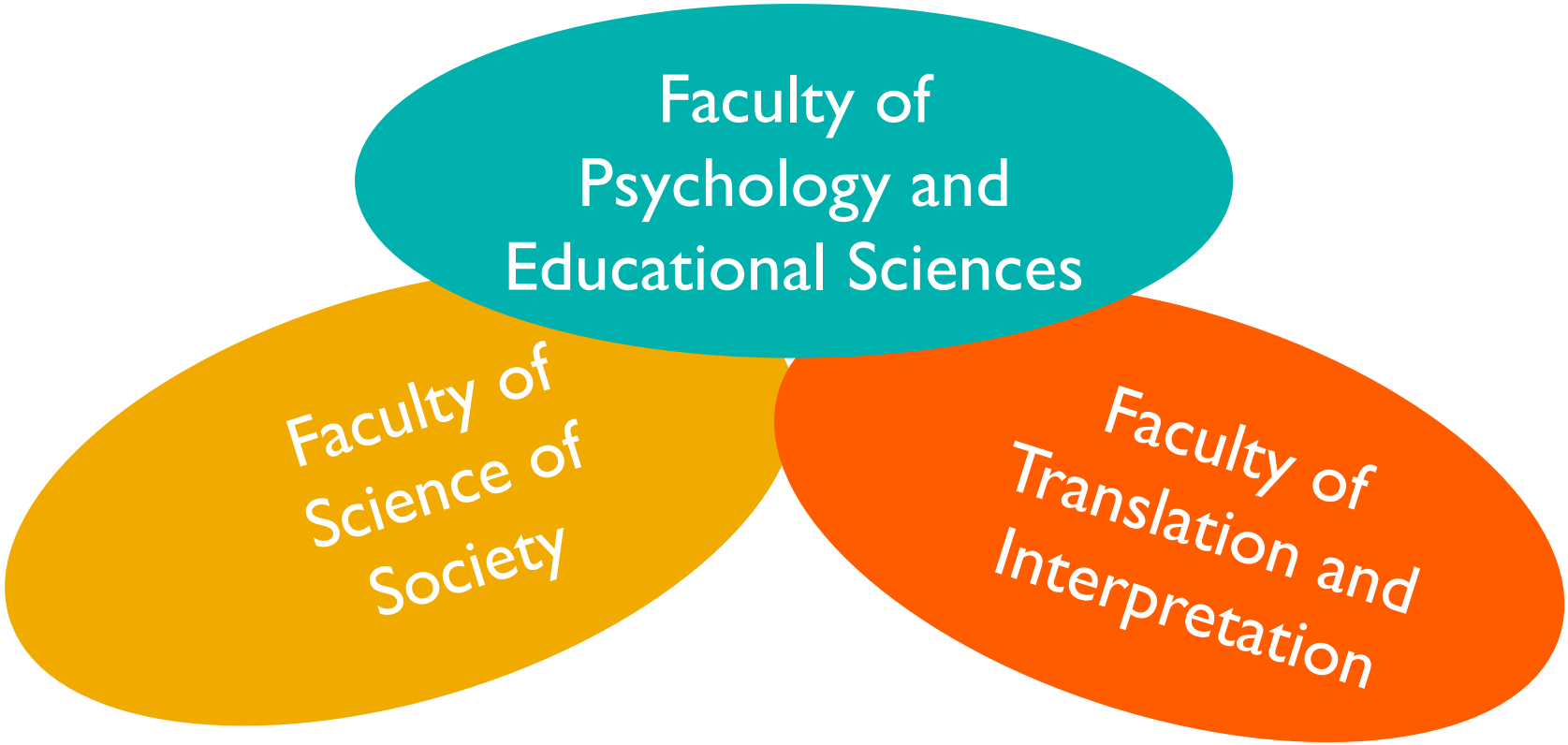
http://ge.ch/sante/commission-cantonale-dethique-de-recherche-ccer/commission-cantonale-dethique-de-recherche-ccer

# University Commission for Ethics in Research (CUREG)

- Restricted to reseachers of UNIGE
- Evaluate all projects that are:
  - Outside the field of LRH;
  - Conducted with human participants
  - Within faculties that do not have a commission for Ethics

https://www.unige.ch/commissionethique/

# Faculty Commissions for Ethics in Research




These faculty commissions only evaluate research projects conducted by a faculty collaborator or faculty member.

# LRH or not LRH, can you guess?

- Research project including painful stimulation on a healthy population.
- Research project in psychology involving the use of the electroencephalogram with a healthy population.
- Research project studying the specificities of reading by comparing good adult readers to adults who have had difficulty learning to read in childhood (i.e., dyslexia).
- Research project to study reading skills in children with strabismus.
- Research project in which behavioural and fMRI studies will be conducted.

# Thank you for your attention

UNIVERSITÉ DE GENÈVE

# Commissions for Ethics in Research

## Internet links

- LRH: http://www.admin.ch/opc/fr/classified-compilation/20061313/index.html
- CCER: http://ge.ch/sante/commission-cantonale-dethique-de-recherche-ccer/commission-cantonale-dethique-de-recherche-ccer
- CUREG: https://www.unige.ch/commissionethique/
- FPSE: https://www.unige.ch/fapse/faculte/organisation/commissions/commission-ethique/
- FTI: https://www.unige.ch/fti/fr/faculte/organisation/commissions/ethique/
- SdS: https://www.unige.ch/sciences-societe/faculte/organisation/commissions-de-la-faculte/commission-dethique/

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https://www.unige.ch/recherche/fr/
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Appels à projets
Financements
Policies
Cité et PME
Mission / Contact
Service Recherche
Directrice Dre Laure Ognois-Zaugg
Bâtiment de la SIP,
10 rue des Vieux Grenadiers.
5 ème étage
Permanence au Campus Biotech
le mardi et jeudi après-midi
Pole of support for the Leman and National Research
(PolN)
(par interim)
Dre Eliane Abou Mansour
Secretariat of the Research Commission for the Swiss national science foundation (COREC)
(par interim)
Dre Eliane Abou Mansour
Pole of support for the European and International Research
(Euresearch)
Dr Alexander Waehry
service-recherche@unige.ch
corec@unige.ch
euresearch@unige.ch

# Mission

- **Ensure strategic monitoring of research and innovation policies** directly related to the stakeholders active at the regional, national and international levels;
- **Translating research and innovation policies into pro-active support** for the research community (from post-doctorat and onward) of UNIGE and the Geneva ecosystem of innovation, in particular Geneva SMEs;
- **Coordinate major research programs** at the Regional, National, European and International levels;
- **Propose to the Rectorate elements** for the development of the research strategy at UNIGE.

POLICIES

# Gestion des données de recherche

- Gestion des données de recherche H2020 à l'UNIGE (Infosheet)
- Gestion des données de recherche FNS à l'UNIGE (site web DIS)
- Document utile Guidance Document 'Presenting a Framework for Discipline-specific Research Data Management' (RDM) publié par Science Europe

# Ethique

Les enjeux de l'éthique de la recherche occupent une place de plus en plus importante dans la gestion de la recherche tant sur le plan international qu'à l'échelle nationale et ceci est valable pour toutes les disciplines scientifiques (tant en sciences naturelles qu'en sciences sociales et humaines).

À l'Université de Genève, toute démarche éthique décrite ci-dessous se fait dans le respect de la charte d'éthique et de déontologie, établie par le Comité d'éthique et de déontologie qui, au sein de l'Université, est l'organe de référence en la matière.

### Recherche avec des êtres humains

Pour que la science (et surtout médecine) puisse progresser, la recherche avec des êtres humains est indispensable. Et pour ce faire, des conditions cadres éthiques et juridiques sont nécessaires. En Suisse, c'est La loi relative à la recherche sur l'être humain (LRH) qui s'applique dans les cas précisés dans son Art. 2 al. 1.

Tout projet de recherche impliquant des participants humains requiert normalement l'approbation d'un Comité d'éthique de la recherche.

À l'Université de Genève, la Commission universitaire d'éthique de la recherche (CUREG) procède à l'évaluation des projets de recherche avec des participants humains menés à l'Université qui ne tombent pas dans le champs d'application de l'art. 2 al. 1 LRH.

Par contre, les chercheurs dont les projets tombent dans le champs d'application dudit article, doivent s'adresser directement à la Commission cantonale d'éthique de la recherche - CCER.

### Recherche avec des animaux

# RESEARCH SERVICE



## CALLS FOR PROJECTS

### Procedure

**Research project management**

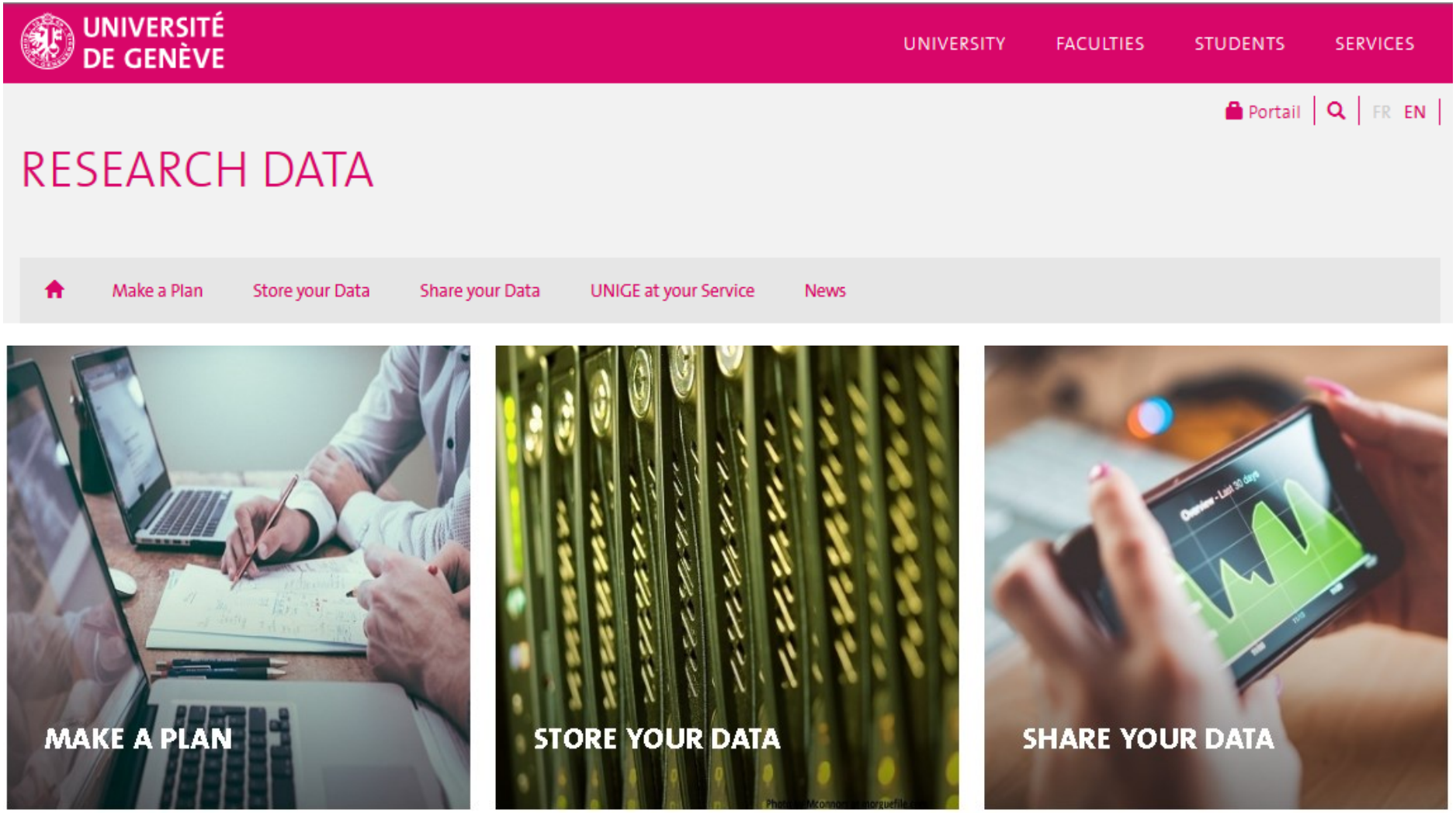
Research project management is realised within the framework of rules of ethics, regulations and with the infrastructures support of the University available.

For all projects : UNIGE disposals and tools

- Ethics : Projects requiring authorization (research on stem cells, animals, ...) Specific informations for «Horizon 2020»
- Staff management
- Scientific publications : Open Access
  - Regulations on the funding of Open Access publications of 7 November 2017
  - UNIGE publication funds
- Publish the research data
  - Data Management Plan (DMP) - Guidelines for researchers
- Research valorisation

# Questions ???

# WWW.UNIGE.CH/RESEARCHDATA



# UNIGE AT YOUR SERVICE!

RESEARCH DATA

Make a Plan | Store your Data | Share your Data | UNIGE at your Service | News

## UNIGE AT YOUR SERVICE

**TRAININGS**

**CONTACT POINTS**

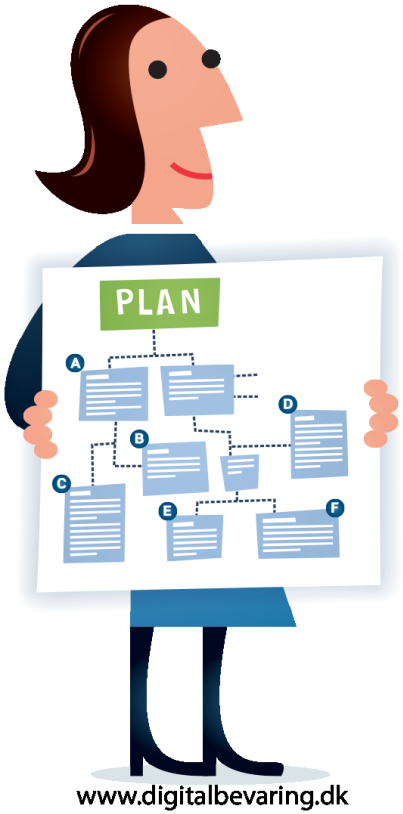
**UNIGE POLICY**

**DMP REVIEWING**

Mandatory UNIGE login to create a request

**HELP & SUPPORT**

# DMP WORKSHOPS




- 1h30 workshops (French or English)
- Key elements to understand how to fill your own DMP
- Use the registration form

**Date des ateliers**

| | | |
|---|---|---|
| Lu 10/09, 14h15-15h45, Uni Sciences II | | 1 place(s) disponible(s) |
| ~~Ma 11/09, 14h15-15h45, Uni CMU~~ | | complet |
| Je 13/09, 10h15-11h45, Uni Sciences II | | 3 place(s) disponible(s) |
| ~~Je 13/09, 14h15-15h45, Uni Bastions~~ | | complet |
| ~~Ve 14/09, 14h15-15h45, Uni Mail~~ | | complet |
| ~~Lu 17/09, 10h15-11h45, Uni Mail~~ | | complet |
| ~~Ma 18/09, 10h15-11h45, Uni CMU~~ | | complet |
| Me 19/09, 10h15-11h45, Uni CMU | | 8 place(s) disponible(s) |
| ~~Je 20/09, 10h15-11h45, Campus Biotech~~ | | complet |
| ~~Ve 21/09, 10h15-11h45, Uni Mail~~ | | complet |

# TRAININGS

- ✓ Data organization
- ✓ Data repository
- ✓ Data storage
- ✓ Data paper
- ✓ Data management plan
- ✓ Copyrights and licenses
- ✓ Electronic laboratory notebooks

# CONTACTS

researchdata-info@unige.ch

http://www.unige.ch/researchdata

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