The quest… to define a Data Librarian!

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Data Professional Day, HEG100Years

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Why me?

UNIVERSITÉ DE GENÈVE

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In 2016, back, then @UNIGE…

…I've chosen this naming, because:

- I thought it was appropriate
- I was a librarian working with RDM in the IT and the scientific information department
- Working for a big RDM project in Switzerland
- Working for the institutional data policy
- Providing researchers with general information and advice or trainings regarding RDM, as for instance regarding DMP

Cross-Check #1 - IASSIST

"Data librarianship is an ad hoc term. In essence, it is the application of traditional librarianship principles and practices to data resources. Data librarianship involves one or more of the following; acquisition (collection development), organization (cataloging and metadata), **and the implementation of appropriate user services."**

Source: http://www.iassistdata.org/blog/defining-data-librarian-call-comments

Cross-Check #2 - CASRAI

Short Definition: A librarian with a **specific responsibility** for managing and/or **advising** about research data within their organizations.

Extended Definition: A librarian with a **specific responsibility** for managing and/or **advising** about research data within their organizations. They may undertake **curation** and **metadata-related** work, **manage an institutional data repository**, contribute to an institution's **data policy**, and provide researchers with **general information and advice** about the archival storage and preservation of research data beyond the institution.

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Source: https://forum.casrai.org/t/research-data-librarian/870

Cross-Check #3 – Data Librarian's Handbook

Supporting data literacy (types of data)
Building a data collection
Research data management service and policy
Data Management Plans
Data Repositories
Dealing with sensitive data
Supporting open science and open scholarship

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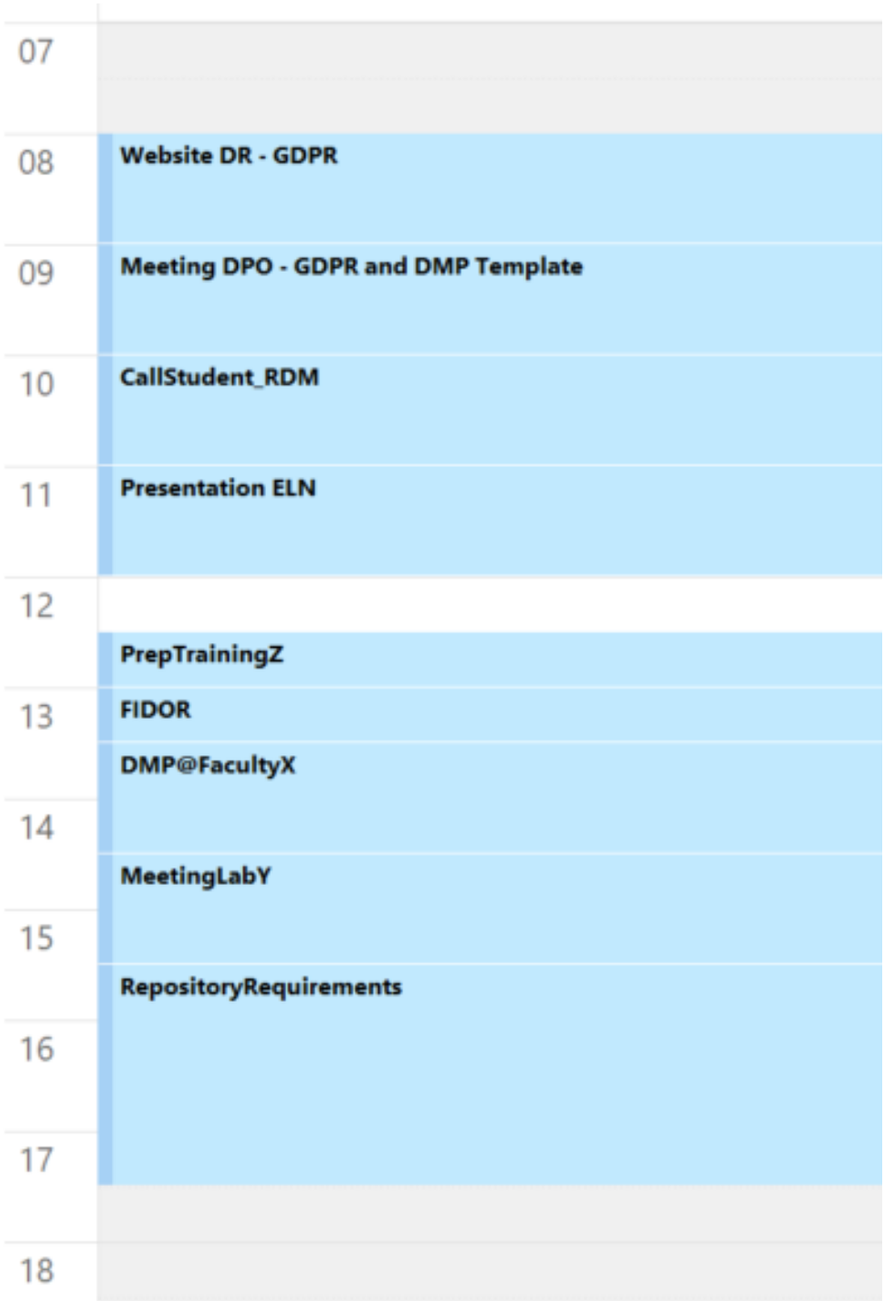
Source: J. Southall, R. C. Rice, Data Librarian's Handbook, 2016, Table of content

One day in the life of…



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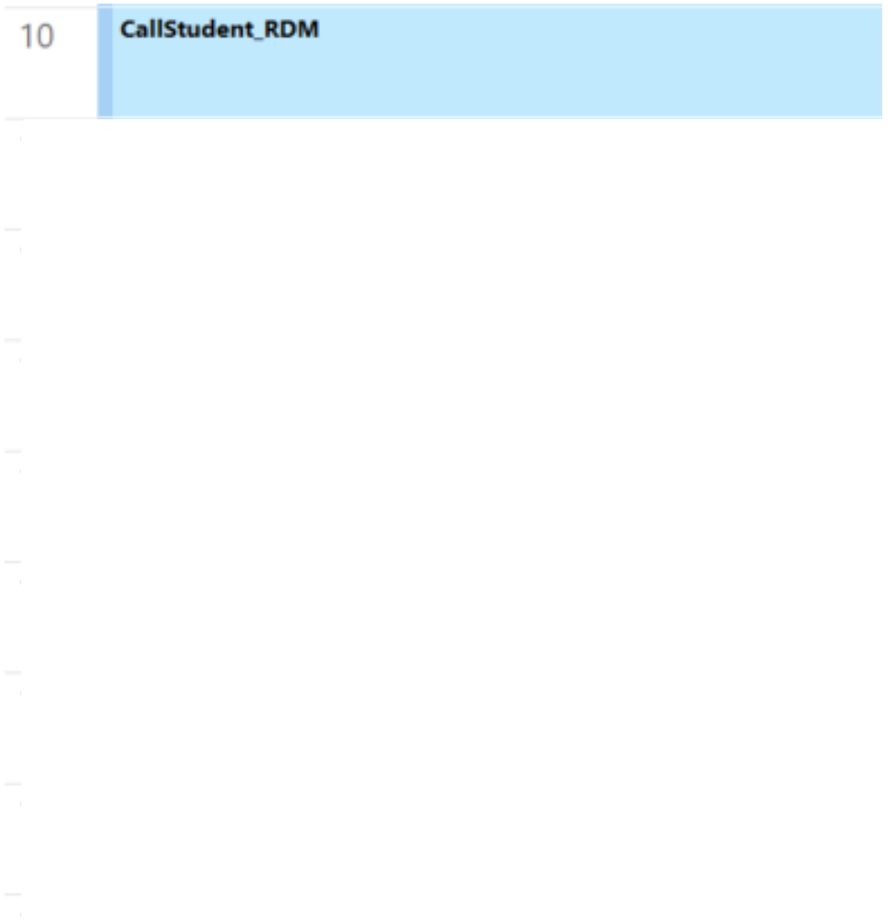
One day in the life of…

- Create new content on research data website https://researchdata.epfl.ch/
- Keep up to date with EU GDPR Information Portal https://www.eugdpr.org/
- Meet, discuss and get feedback from Data Protection Officer@EPFL

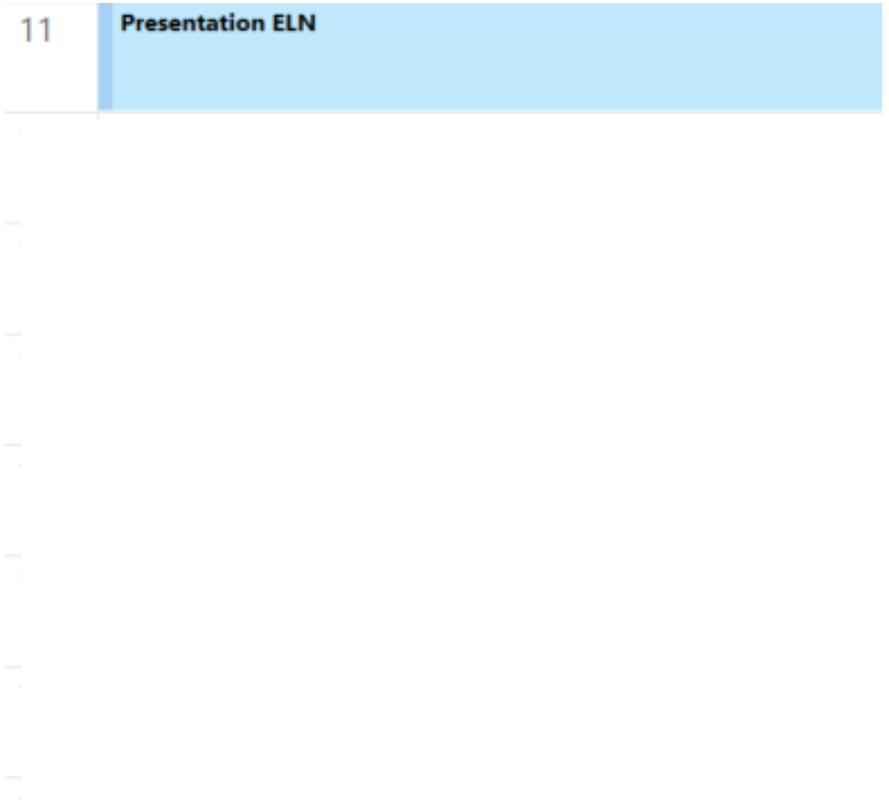
One day in the life of…

- Get interviewed for a Master Thesis in the field of research data management.



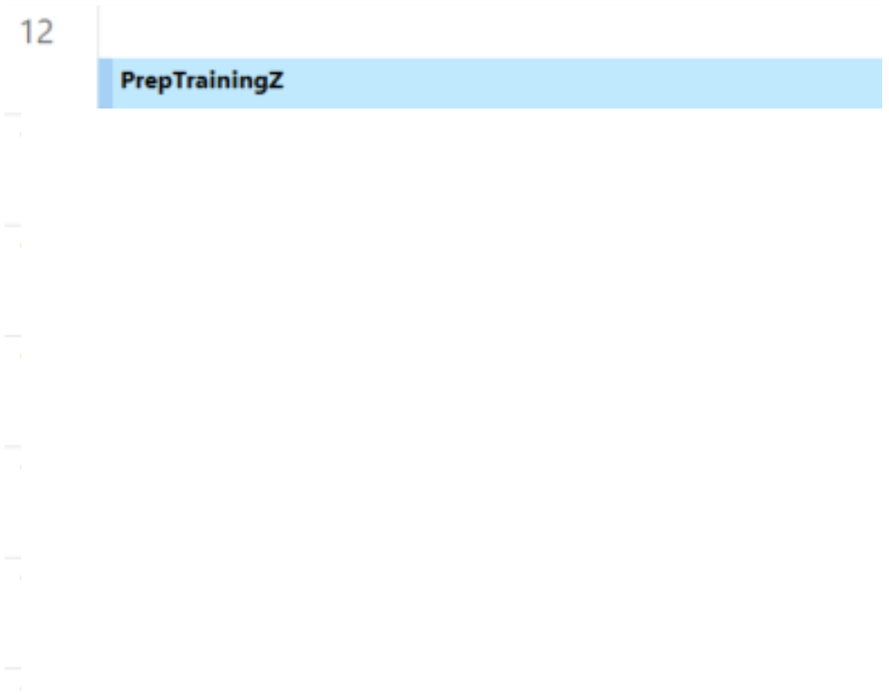
One day in the life of…

- Meet colleagues and get training about new features of in-house electronic laboratory management systems (ELN) or laboratory information management systems (LIMS).
  - ELN Chemistry: https://eln.epfl.ch/
  - SLIMS Life Sciences: https://lsis.epfl.ch/page-140284-en.html



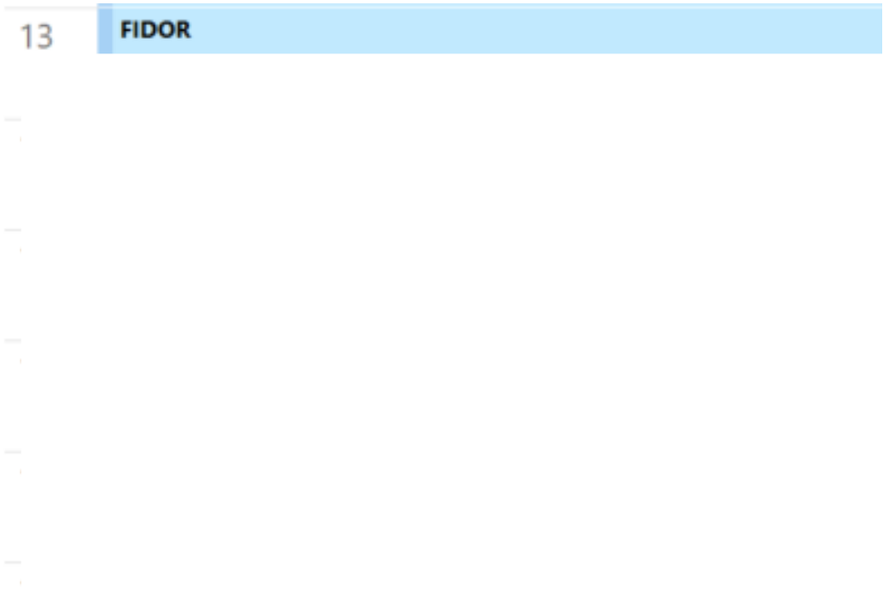
One day in the life of…

- Prepare hand-outs of documentation and featured DMP examples
- Prepare presentation on Jupyter Notebook http://jupyter.org/
- Prepare atelier on https://zenodo.org/ or www.re3data.org and link to https://github.com/
- Test/Integrate new content, i.e. https://amnesia.openaire.eu/ or new file formats



One day in the life of…

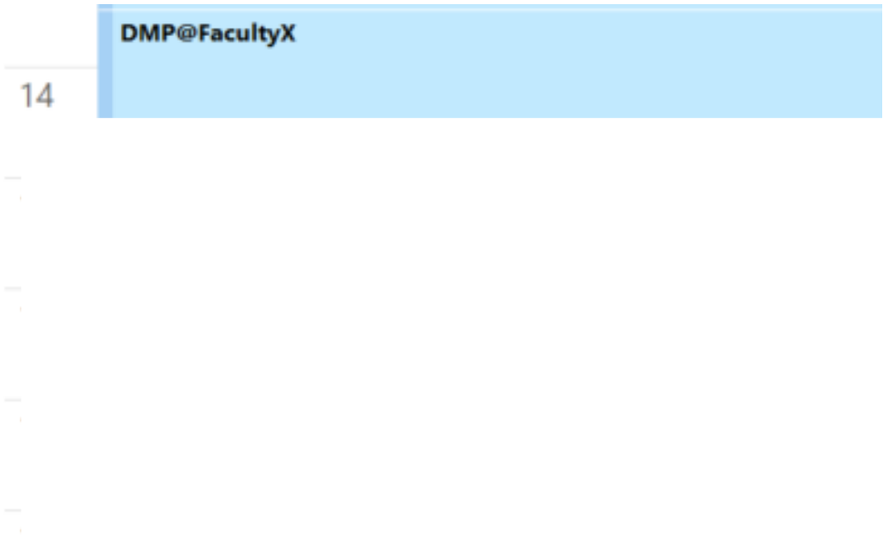
- FIDOR: Formation interne des Données de Recherche
- Go out with the team and drink a coffee and discuss a new topic in research data management!



One day in the life of…

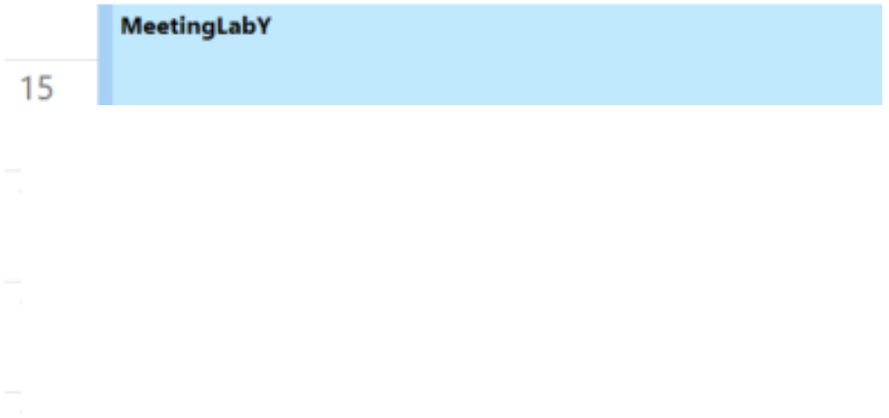
- Sensitize faculty board to the context and issues of research data management and the ongoing work at EPFL Library regarding this topic.

- Distribute and discuss the DMP Template or other documents: https://researchdata.epfl.ch/?docx=EPFL_SNSF_DMP_Template_2018



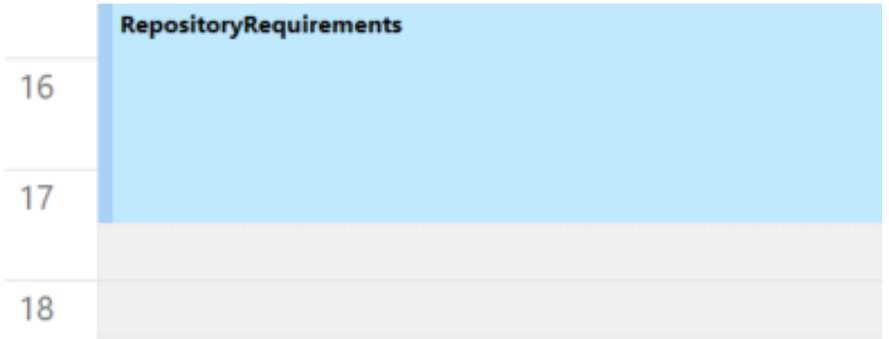
One day in the life of…

- Discuss with the lab head and the technician current issues regarding data management in the lab.
- Prepare a data interview cycle with all lab members.



One day in the life of…

- Meet with team members and prepare the requirement list for an in-house repository.



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Some stats@EPFL_RD

	2017	2018
DMP SNSF workshops	**8**	**4**
Participants:		
Life Sciences	7	9
Engineering	19	39
Basic Sciences	15	13
Computer and Communication Sciences	3	10
Architecture, Civil and Environmental Engineering	12	12
Others (CDManagement, CDHumanities, CODEV)	12	12
Total of trained researchers	**68**	**95**

Some more stats@EPFL_RD

	2017	2018
Nr of requests researchdata@epfl.ch	92	59

Topics
• Generic: research data management over lifelong cycle
• Storage and publication (repository selection, storage solution, copyright on dataset …)
• DMP preparation
• DMP review
• Funders' requirements
• ELN, LIMS, storage, export/import, formats, …

…and a lot of raising awareness!

Love Data Week with Data Contest, Noon Talk and buttons distribution

The «official» data librarian…his/her tasks #1…

Soutien, conseil et expertise aux chercheurs sur les questions relatives à la gestion des données de la recherche dont:

- Utilisation des **standards, formats de données et métadonnées**
- **Workflows de production** et de gestion des données
- **Partage, publication et valorisation** des données; Open Data
- **Identification et utilisation** de dépôts thématiques de données (data repositories)
- **Curation du dépôt institutionnel** de données (projet en cours)
- **Conservation** à long terme des données
- Questions de **licences, copyright** liées aux données

…and to fight against boredom…more tasks! #2

- Suivi des **exigences des bailleurs de fonds** et des éditeurs; liens entre publication et données
- **Recherche et exploitation** de sets de données, questions de citations et paternité liées cette réutilisation
- **Accompagnement à la gestion courante des données de la recherche**, du Data Management Plan (DMP) à la conservation pérenne, avec prise en considération des bonnes pratiques Open Science
- **Formation** des chercheurs et doctorants aux problématiques de gestion des données de la recherche (RDM)
- Aide au dépôt des données
- Participation aux actions de **sensibilisation** à la bonne gestion des données de la recherche
- Participation à **l'animation** et aux mises à jour des **contenus du site web researchdata.epfl.ch**

We are looking for super «data librarians»!

- **Base:** **« Data Librarian » diplômé** avec une expérience significative dans les aspects techniques et organisationnels des données de recherche **OU titulaire d'un doctorat** (PhD) dans un domaine significatif par rapport aux sujets de recherche de l'EPFL et ayant **une expérience significative dans la gestion des données de recherche**
- **Langues:** Maîtrise du **français et de l'anglais**
- **Veille:** Bonne connaissance des enjeux et des perspectives **d'évolution liés aux données de la recherche**
- **Communication:** **Capacité à communiquer avec des chercheurs** et avec des collaborateurs en charge du support technique et administratif
- **Collaboration:** Capacité à s'intégrer dans une **équipe**, sens du **service au public**
- Esprit **d'initiative** et aptitude à travailler de manière autonome, personnalité proactive
- **Gestion de projet:** **Expérience dans la gestion de projet** appréciée
- **IT:** Connaissances et compréhension des **enjeux et solutions IT**
- **A l'aise en "computational thinking"**; la compréhension de certains langages de programmation (ex : Python) serait un plus

Future steps…

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- Continue current trainings and support services
- Add new ones based on a survey from 2017
- Put into practice the DMPs together with the labs
- Implement a data repository
- Thinking about data curators for maintaining it

In general

- Continue to be a «data librarian»
- Continue to learn (ad hoc) every day, because it changes quickly

Join and become a data librarian!

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RDM Website

https://researchdata.epfl.ch/

Social

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@EPFLlibrary

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