Sharing your data

How to find the repository that fits ?

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UNIVERSITÉ DE GENÈVE

PROGRAM

- ➢ Why sharing your data in a data repository ?

- ➢ What are the options?

- ➢ How to find the most adequate repository?

- ➢ What are the funders requirements?

- ➢ Does your repository conform to the FAIR Data Principles?
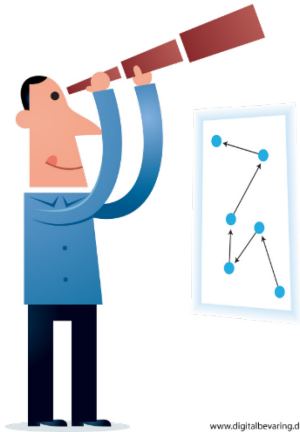
WHAT ARE RESEARCH DATA?

<u>Factual records</u> (numbers, text, images and sounds), which are used as <u>primary sources</u> for scientific research and are generally recognized by the scientific community as necessary to validate research results.

Principes et lignes directrices de l'OCDE pour l'accès aux données de la recherche financée sur fonds publics, 2007, p. 18
http://www.oecd.org/fr/sti/sci-tech/38500823.pdf
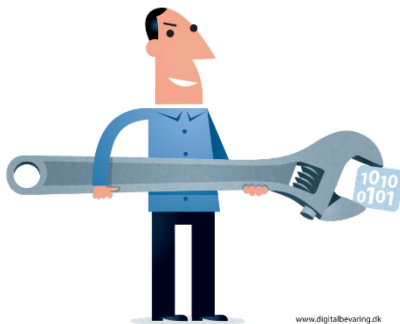
CLASSIFICATION OF RESEARCH DATA

observational
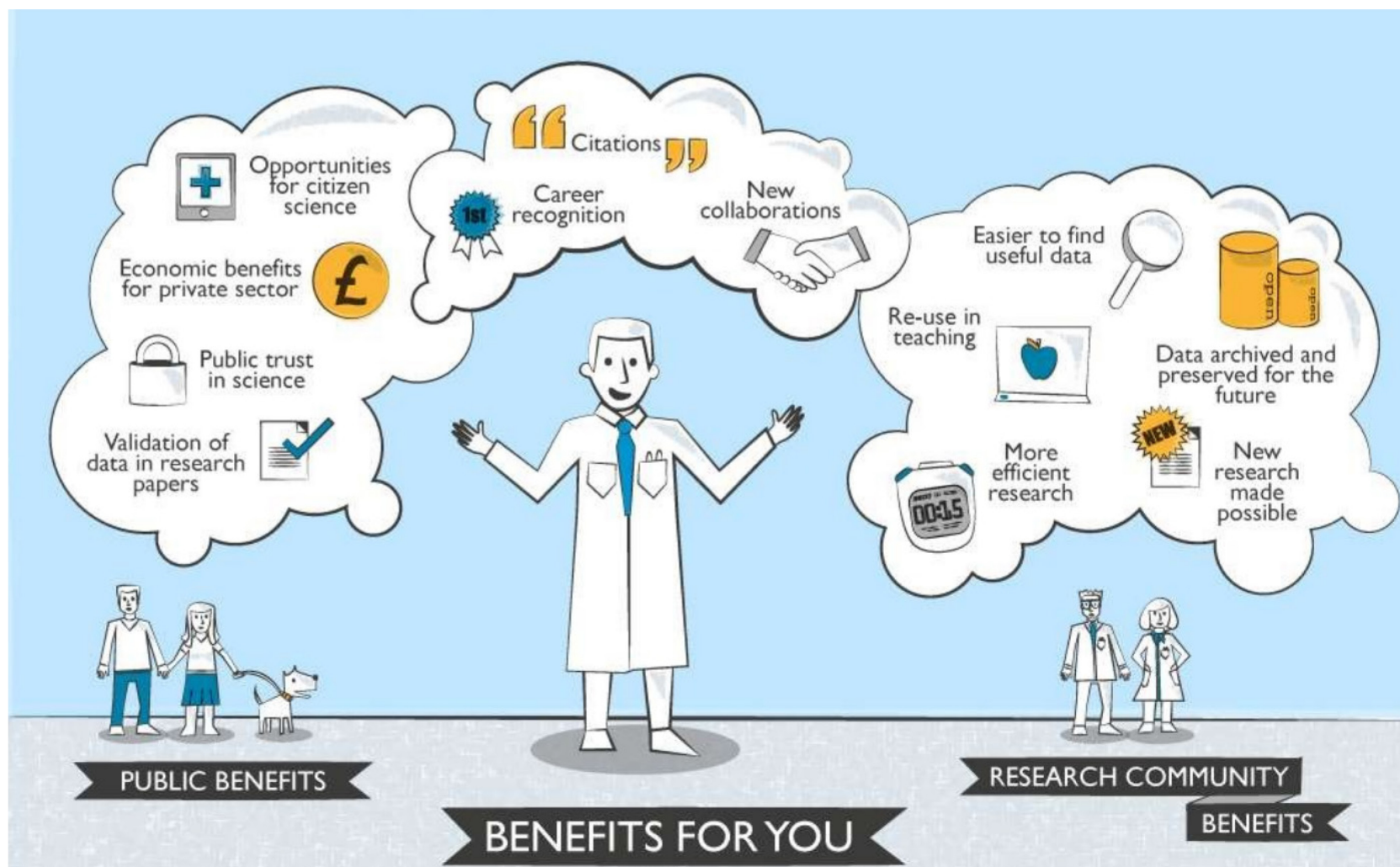
derived / compiled

simulation / models
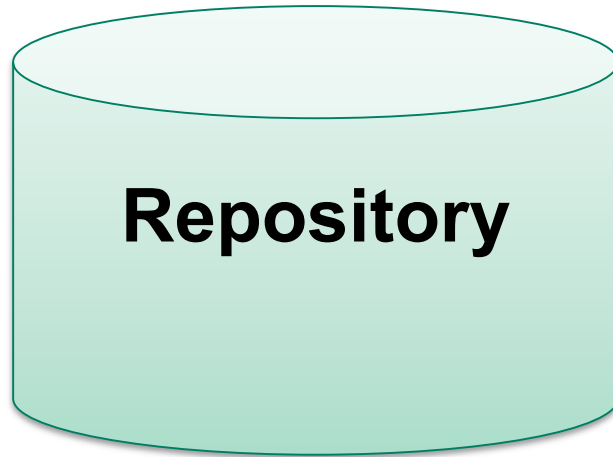
experimental

reference

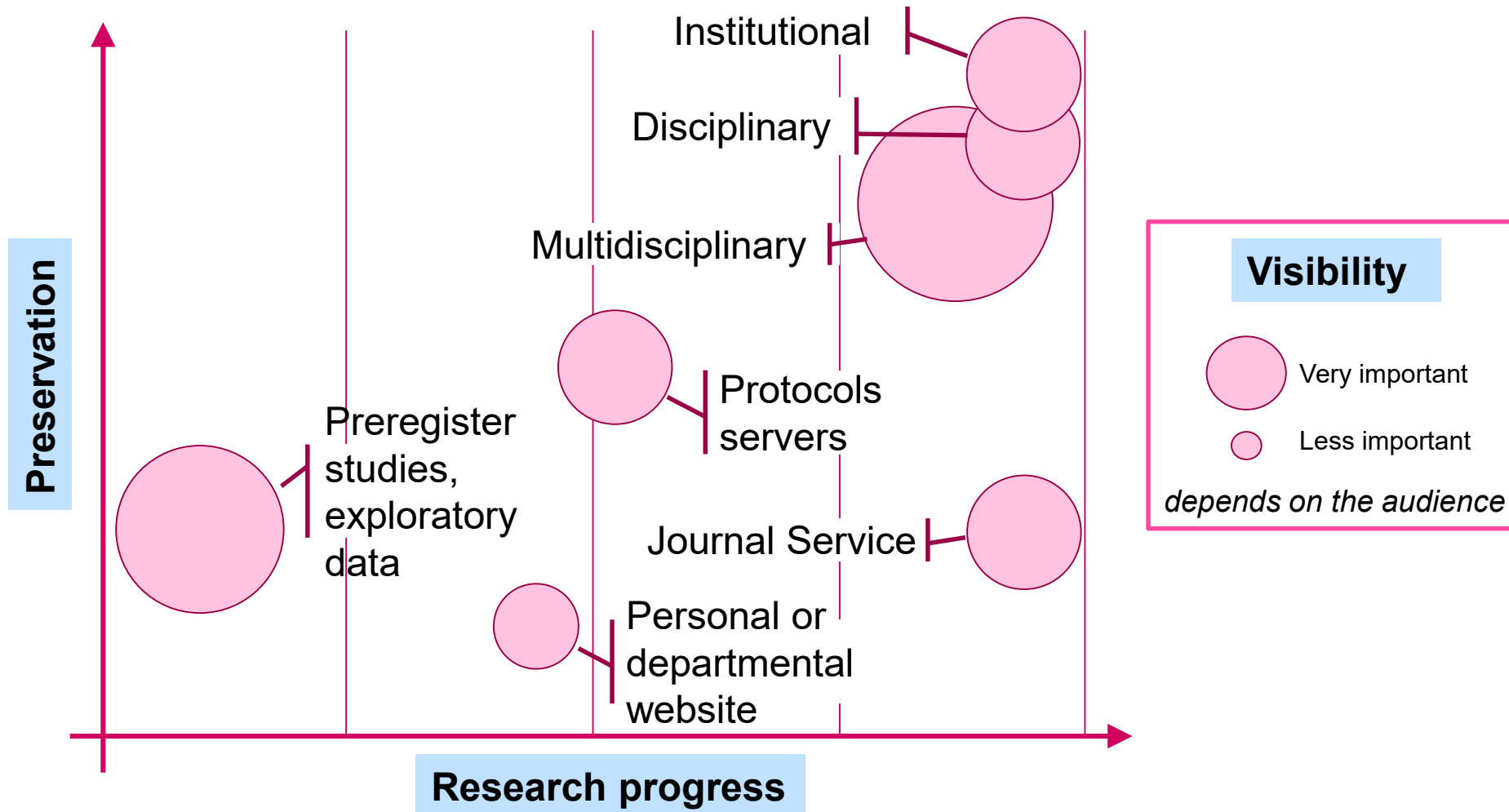# WHY SHARE YOUR DATA?

WHAT ARE YOUR OPTIONS?

Repository

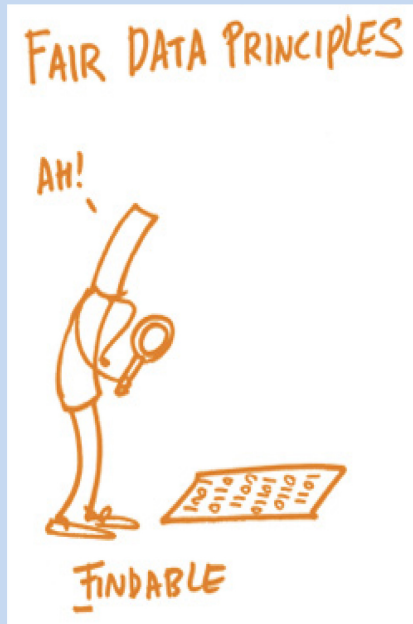✓ General purpose (multi-disciplinary)

✓ Discipline-specific

✓ Institutional

💣 Journal supplementary material service

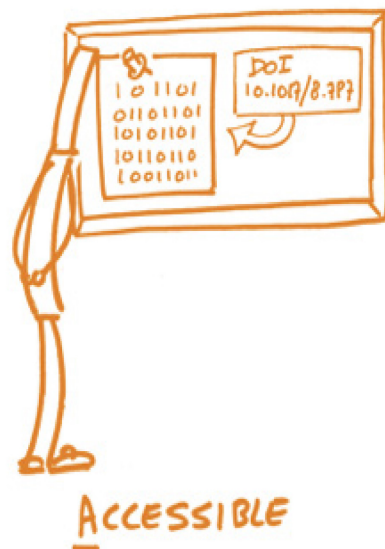💣 Departmental, project or personal web page

Repositories' characteristics

MAKE YOUR DATA FAIR

FAIR DATA PRINCIPLES

AH!

FINDABLE

- ✓ persistent identifier
- ✓ enriched metadata
- ✓ Searchable and findable online

ACCESSIBLE
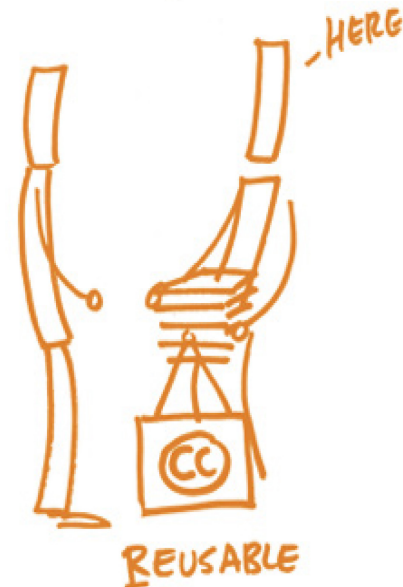
- ✓ retrievable using standard communication protocols
- ✓ possibiliy to define access rights

→ in a repository that ensures long-term preservation

HOW DO YOU OPEN A .XZQ FILE?

INTEROPERABLE

- ✓ standard formats
- ✓ controlled vocabulary to describe data

→ data will be compatible and combinable with others

HERE

REUSABLE

- ✓ well-described & documented (e.g. in a README file)
- ✓ clear conditions to cite and reuse data (e.g. CC licenses)

→ allow data to be correctly interpreted and reused

HOW TO FIND A REPOSITORY ?

Registry that indicates the characteristics of more than 2,000 repositories through a system of icons

Is my repository FAIR ?

Findable

Accessible

Interoperable

Reusable

At east one blue icon
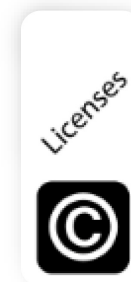
An orange icon with the lock

The «Standards» icon is a bonus

A «Licence» icon

YOUR TURN!

Find in re3data a repository that:

➢ you have already used
➢ you have heard of
➢ is in your discipline

and check if it is FAIR

THE INSTITUTIONAL REPOSITORY YARETA

Developed by the UNIGE within the Data Life Cycle Management project DLCM

Servers (original and copies) located in Switzerland

Compliant with the FAIR principles

Free up to 20 Go ; ask for a quote if more
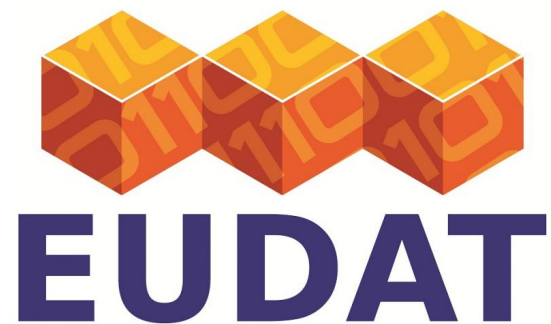
FIGSHARE VS. YARETA

- Commercial
- In the cloud
- Free < 20Go
- DOI attribution
- DOI reservation
- 800'000 files

- Institutional
- In Switzerland
- Free < 20Go
- DOI attribution
- DOI reservation
- Beta version

OTHER FAIR REPOSITORIES[1]
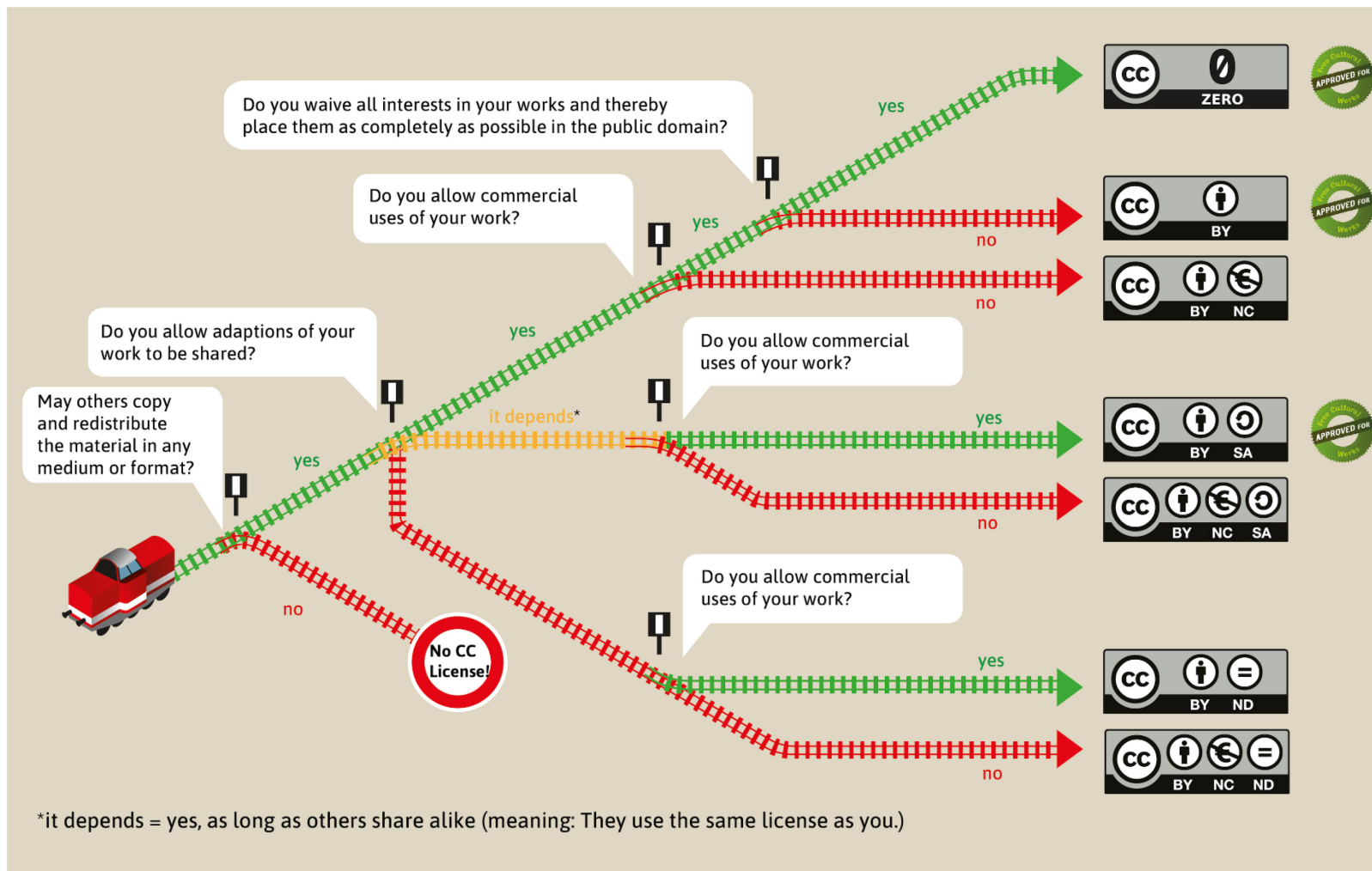
YOUR TURN!

Connect to sandbox. .org

Upload a fictive file, based on your actual research

Does Zenodo fit your needs? If not, why?

CHOOSING A REPOSITORY IS NOT ALL!

- ➢ Prepare the data

- ➢ Create the metadata

- ➢ Choose a license

- ➢ Decide the schedule of your data diffusion
  - When will you share your data?
  - Until when?

CREATIVE COMMONS LICENSES

*it depends = yes, as long as others share alike (meaning: They use the same license as you.)

FUNDERS' REQUIREMENTS

FAIR repository
Has to be maintained by a non-profit organisation if you want financial support for uploading/preparing your data

FAIR principles

IN A NUTSHELL

Ideally, your repository should:

- ✓ be conform to the **FAIR** data principles

- ✓ be maintained by a **non-profit organisation**

- ✓ fits **your needs**

- ✓ ensures optimal **accessibility** and **visibility** to your data

- ✓ comply with your **funders' requirements**

ANY QUESTIONS?

https://www.unige.ch/researchdata/

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