Some Initiatives and challenges for Open Data in Brazil

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Thank you

• Nadège Mézié
• MESR (Ministère de l Enseignement Supérieur et de la Recherche)
• Research Data Alliance
• FAPESP
Open Science - collaboration through sharing

All “results and processes” of scientific research
Available in public repositories
For SHARING AND REUSE
Overall scenario

Internet

People Are The Key
Open data in Brazil

• National policies and regulations (e.g., data privacy law LGPD)

• Federal government – Lattes Data (2022), now calls require DMP

• At state level – São Paulo/FAPESP started in 2017
  - other funders now request compulsory DMP

• At institutional level – local repositories (universities, research centers) -- EMBRAPA (INRAE)
São Paulo State Research Data Repository Network
- construction and present state
Data Management Regulations
Compulsory Data Management Plans

WG – 7 public universities
Establish network of Research data repositories
FAPESP – compulsory data management plans at proposal submission (20K per year)
SP Open Research Data Network

- Federation of repositories at public universities
- OPEN and EXTENSIBLE BY DESIGN

Storage

UNICAMP
UFSCAR
UNESP
UNIFESP
ITA
USP
UFABC
OUTRAS

RETRIEVAL

OAI

3 years
100 people
Inaugurated dec 2019

48 campi
200K population
Network participants

- New internal policies
- Permanent internal data management steering groups
  Librarians, IT personnel, Domain researchers
- Created and manage own repository
- Data repository as institutional entity (state policy, not government policy)

- RDA for initial recommendations and advice
Challenges

• Political challenges – new regulations (FAPESP...)
• Computational challenges – storage space, connectivity, data standardization
• Human challenges
  a) Change of culture
  b) Training and education (staff, researchers)
  c) Compliance with data privacy law
  e) FUNDING challenges (maintaining repositories costs money)
Repositório de Dados de Pesquisa da Unicamp (Universidade Estadual de Campinas)

O REDU é a ferramenta oficial da Universidade para o depósito, preservação, compartilhamento, reutilização e reproduzibilidade de todos os dados de pesquisa aqui gerados. Os dados podem não estar inseridos no REDU, mas é obrigatório o preenchimento do metadado direcionando o local de armazenamento dos Dados.
University regulations and organizations

- Research developed at the university must deposit data in the repository (2020)
- CGDP – permanent committee to define and enforce data sharing policies, and manage the research data repository, and interact with researchers and students
- New clauses in the Informed Consent form that mention Open Science and the Data Repository
- From 2024 onwards, all theses defended must deposit their data in the repository (approx 2,000 data collections per year)
Highlights
OBRIGADA!
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