General Challenges with Data Sharing: Repository Perspectives

Changing the Culture of Data Management and Sharing: A Workshop

Rebecca Koskela

28 April 2021

- Research Scientists' Practices and Perceptions on Data Sharing

- Role of Repositories in Open Science
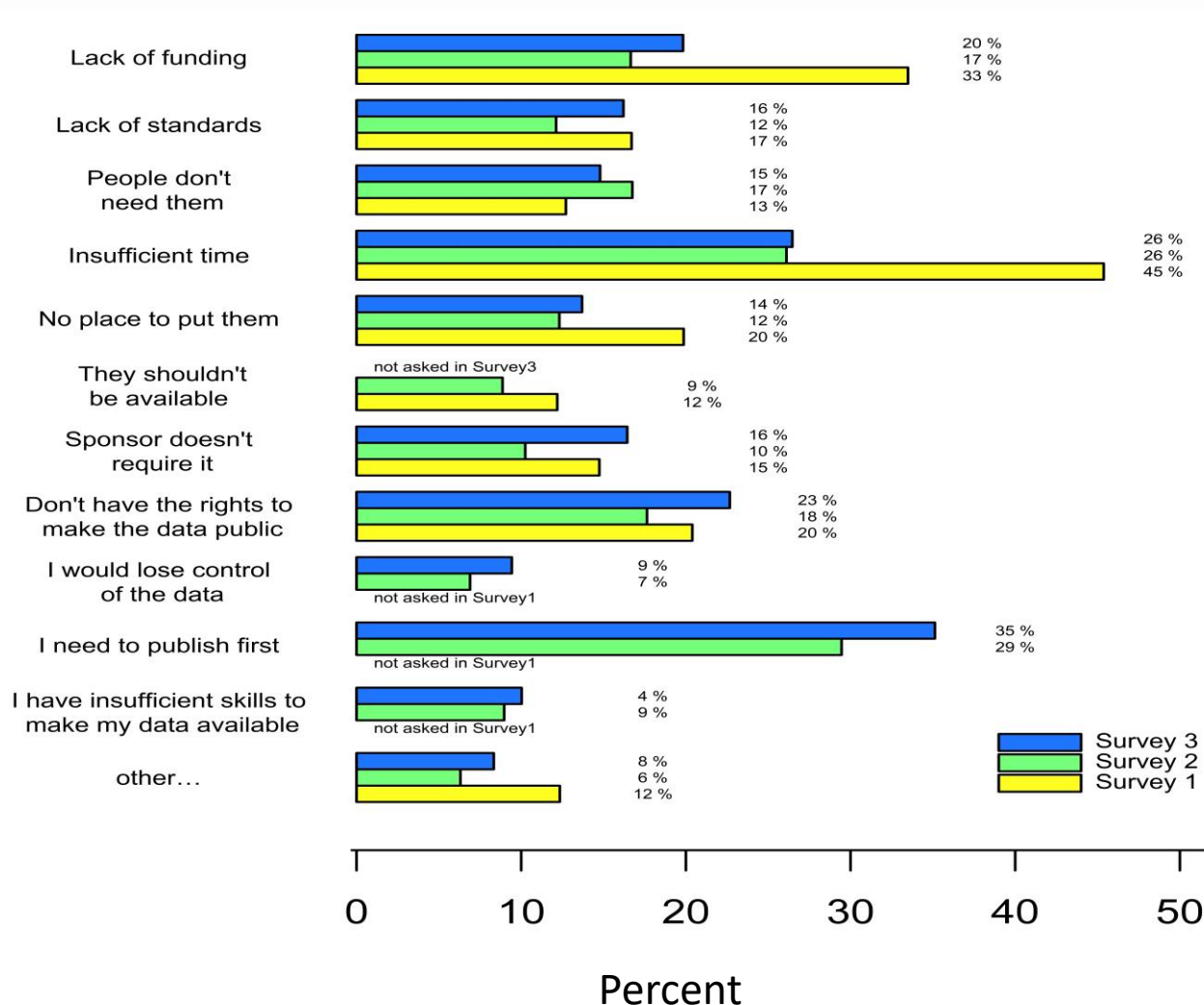
- Changes in Policies by Funders and Publishers

Data Sharing by Scientists:
Practices and Perceptions
Carol Tenopir, et. al.

Survey 1: 2009-2010
Survey 2: 2013-2014
Survey 3: 2017-2018

FUNDERS' DATA MANAGEMENT
AND SHARING POLICIES

JOURNAL OPEN DATA SHARING
POLICIES

Compliance: Letter or Spirit

- Generic (ex. Figshare, Zenoda)
  - Citable
  - Shareable

- Discipline specific
  - Data are FAIR
    - Persistent identifiers
    - Metadata requirements
    - Common formats
  - Curation and quality assurance
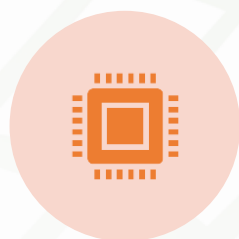
Research Data Repositories

Provide long term access to research data

| AVOIDANCE OF DATA GENERATION COSTS | EFFICIENCY OF DATA MANAGEMENT | LONG-TERM USABILITY AND RE-USE OF DATA | TRANSPARENCY OF SCIENTIFIC RESULTS | VALUE-ADDED DATA PRODUCTS |

Repository Challenges

- Sustainability
  - Meaningful metrics on value to stakeholders

- Funder – Publisher policy alignment

- Metrics indicating FAIR compliance
  - CoreTrustSeal certification proxy for FAIR?