

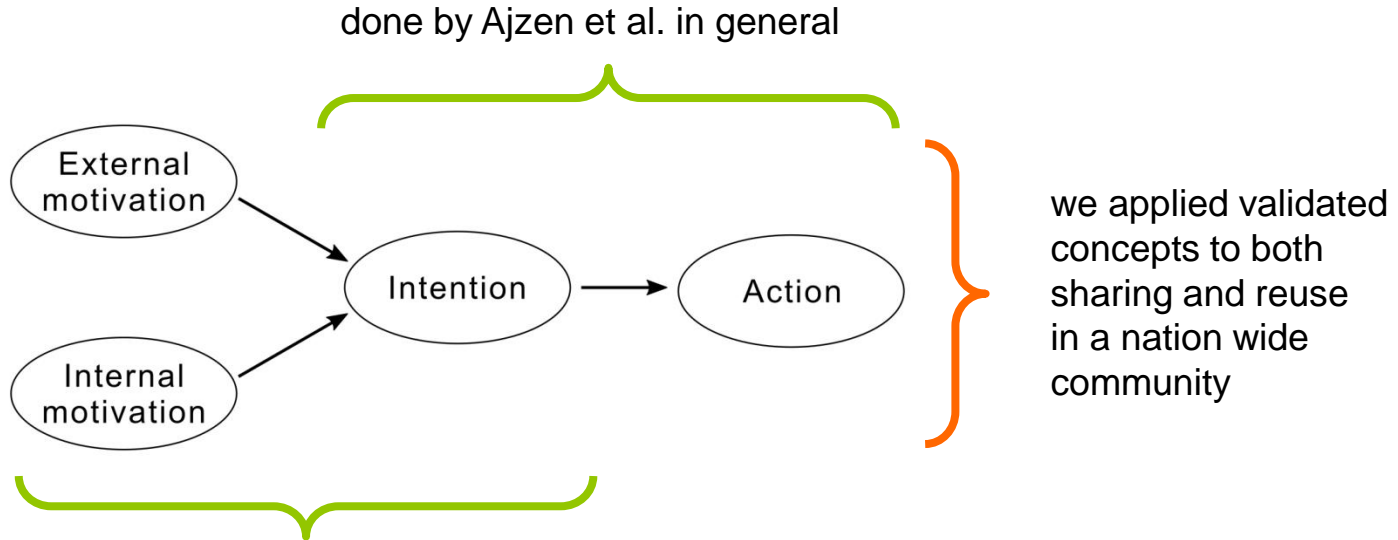
Open Research Data: The current and future use of repositories by the Swiss research community

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Core Questions

- SNSF asked to know:
 - which (FAIR) repositories are used?
(landscape)
 - why are they (not) used? (drivers)
 - what are future demands?
 - what are cost and funding structures?

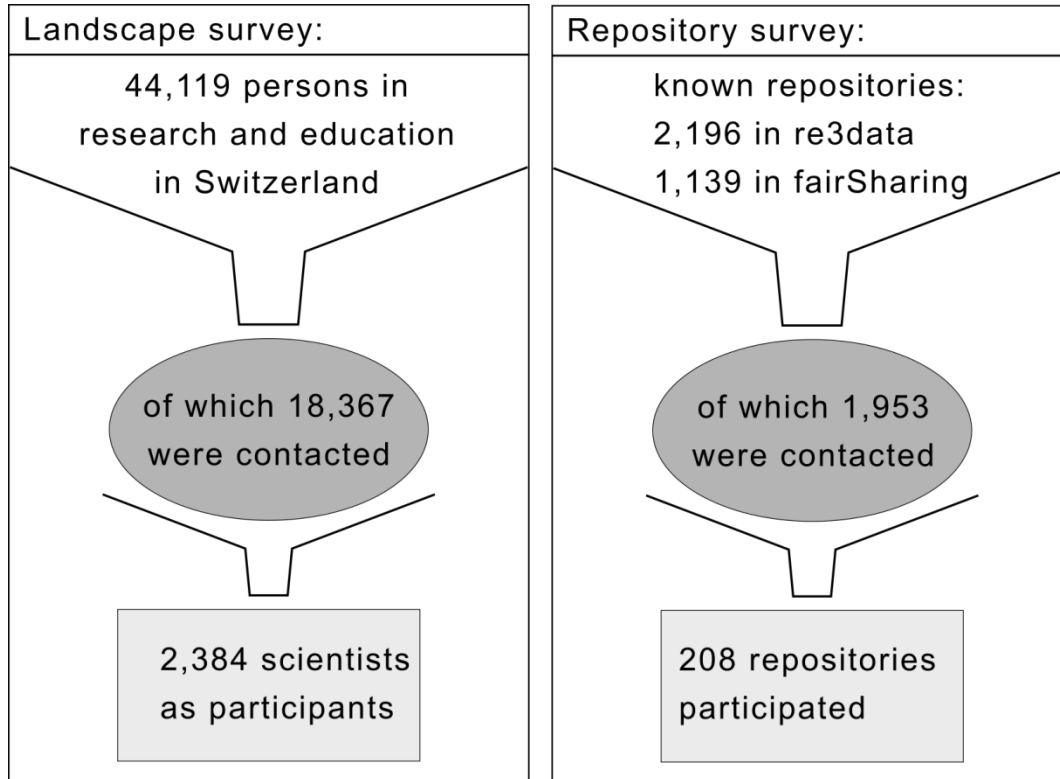
Research Design



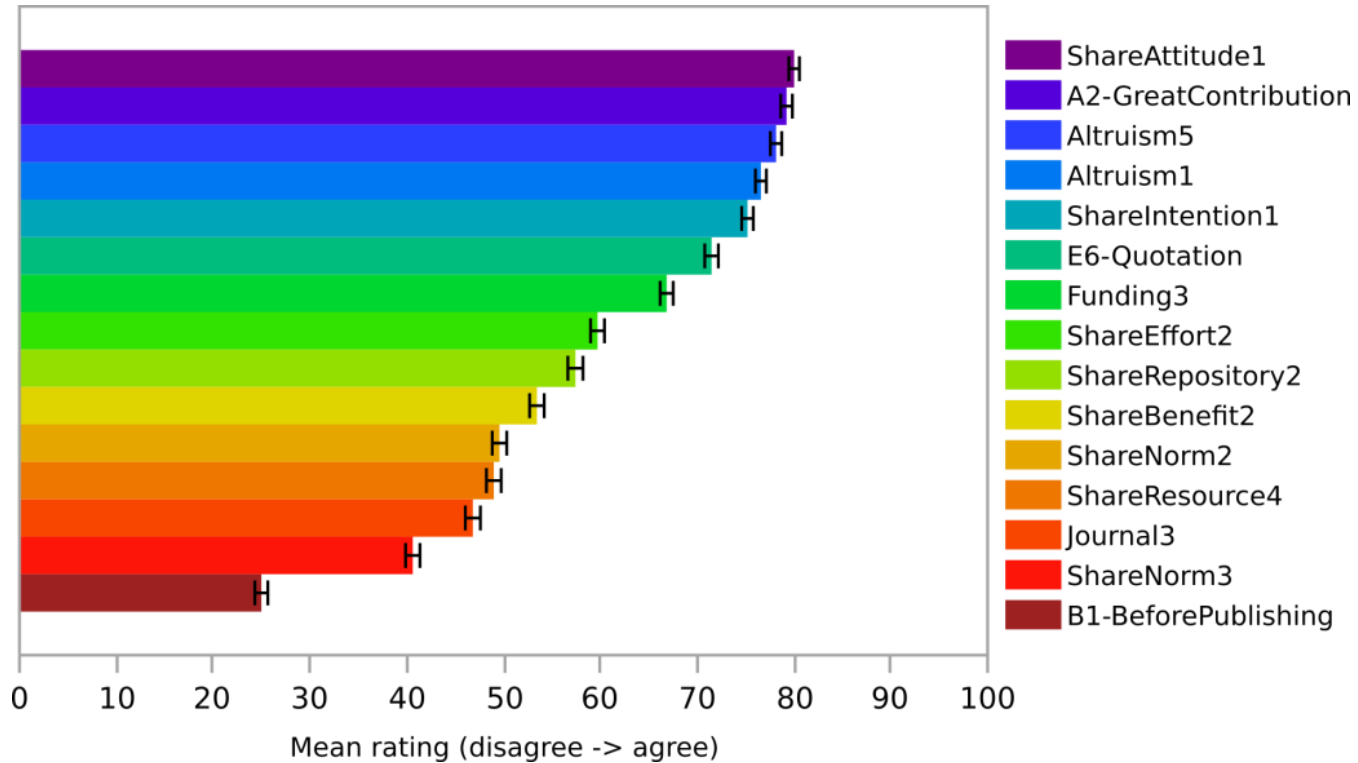
done by:

- Kim & Stanton for sharing
- Kim & Yoon for reuse
- Fechner et al. for effects of personality

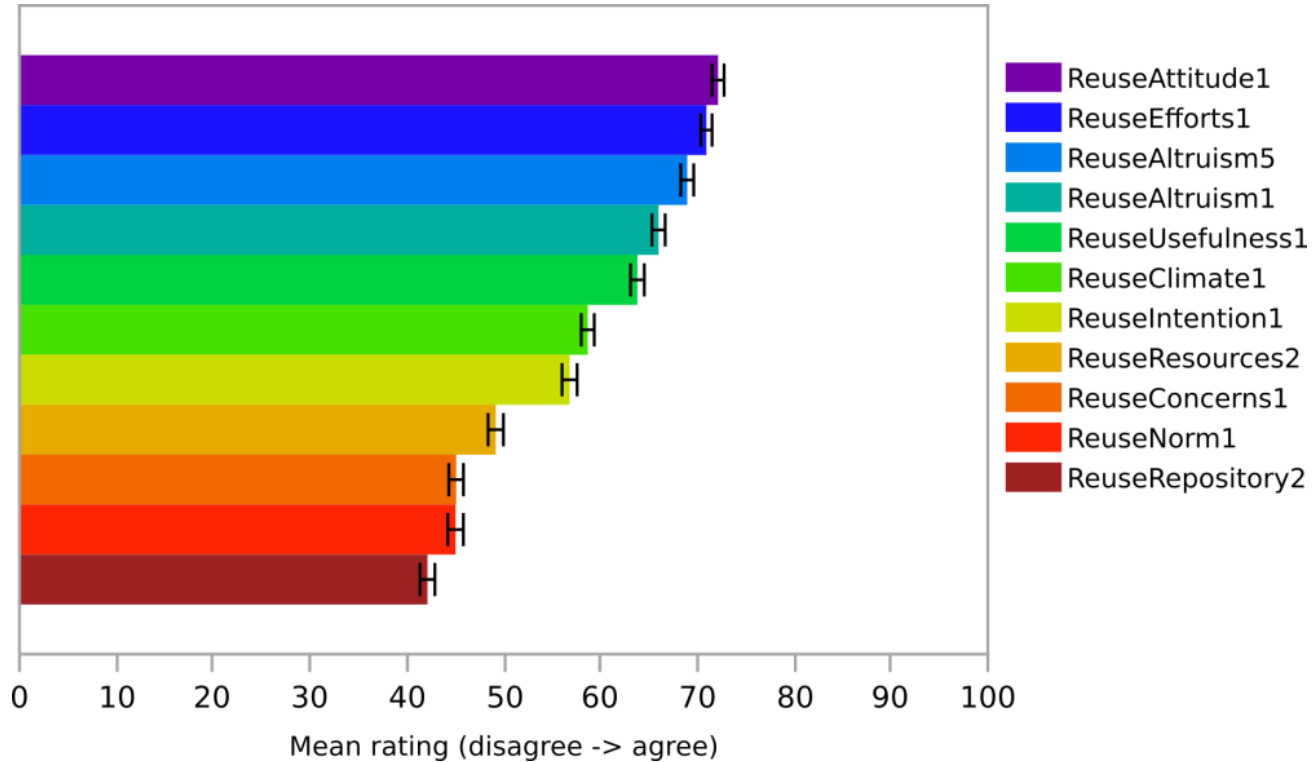
Participation



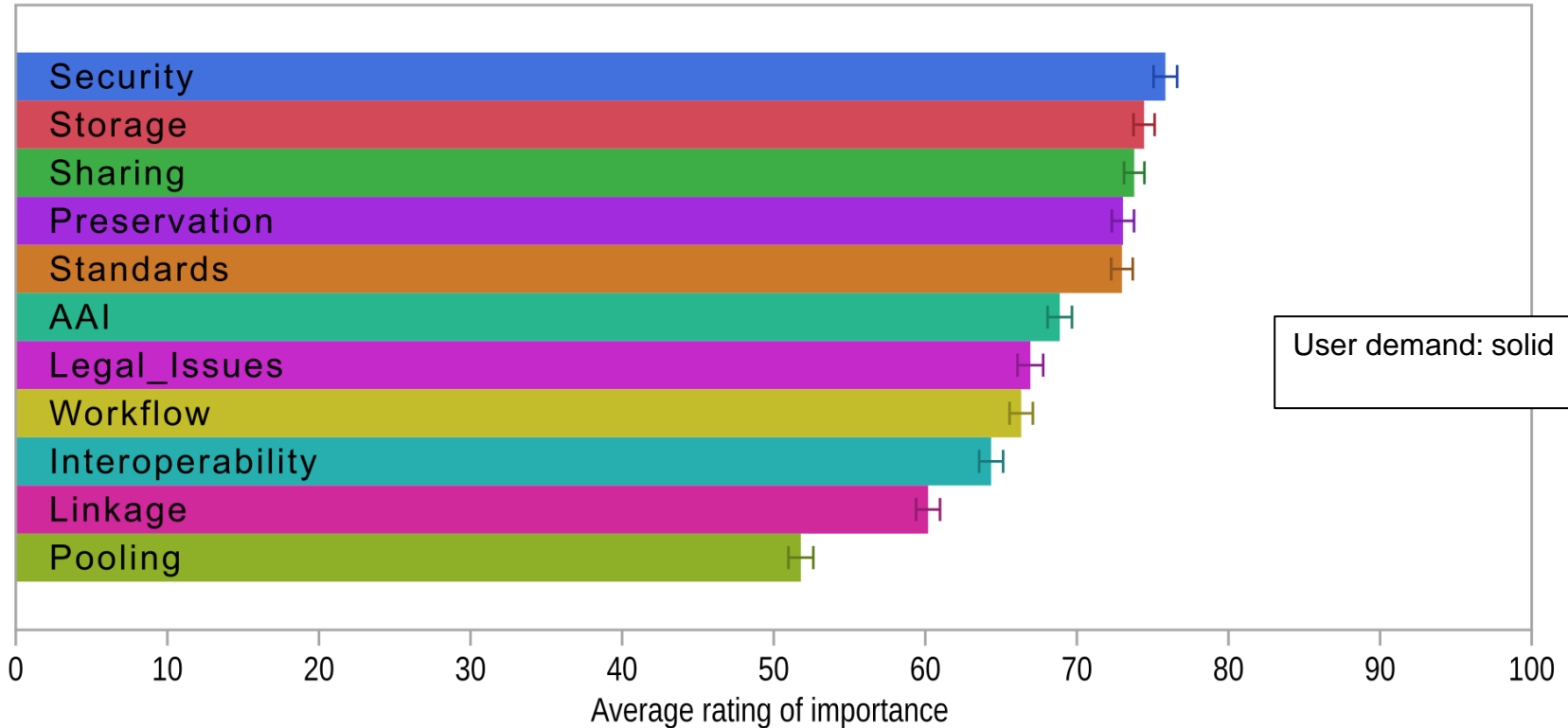
Sharing Drivers



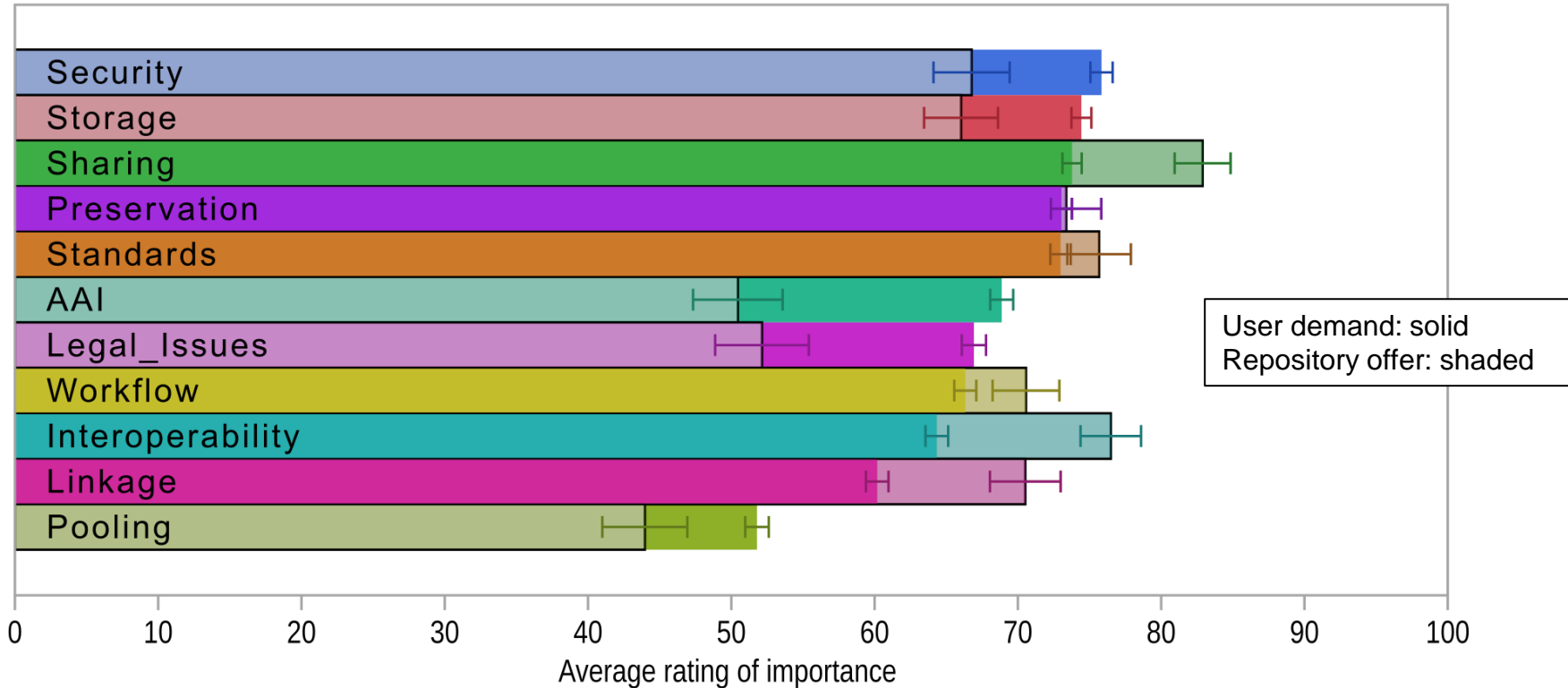
Reuse Drivers



Future service demands



Future service demands



Cross-Correlations between Reuse and Sharing

Factor	AvgSharing Frequency	Rated statements
AvgReuseFrequency	0.63	calculated as: papers with reused data / total papers
SharingRatio	0.43	calculated as: papers with shared data / total papers
ReuseRepository2	0.39	In my discipline, researchers can easily access data repositories to reuse data.
ShareNorm2	0.39	In my discipline, researchers care a great deal about data sharing.
ShareIntention1	0.38	I am likely to share my data from future research.
ReuseNorm1	0.36	In my discipline, it is expected that researchers reuse other researchers' data.
Journal3	0.35	Journals require researchers to share data.
ReuseIntention1	0.34	I am likely to reuse other researchers' data for my future research.
ShareRepository2	0.33	In my discipline, data repositories are available for researchers to share data.

Recommendations I

- Future demands
 - data protection
 - legal advice
- Local support:
 - join AAI federations → implement access
 - setup local training programs on policies, existing repositories and how to (re-)use them

Recommendations II

- Collaborative approaches:
 - public funding for long term stability
 - limit fragmentation of landscape
 - meet overall demand in function and scope
 - monitor success of funding

Conclusions

- support and monitor effects
- apply user centric design
→ match demands
- train **reuse**
to enhance meaningful **sharing**
- final report at DOI [10.5281/zenodo.2643460](https://doi.org/10.5281/zenodo.2643460).