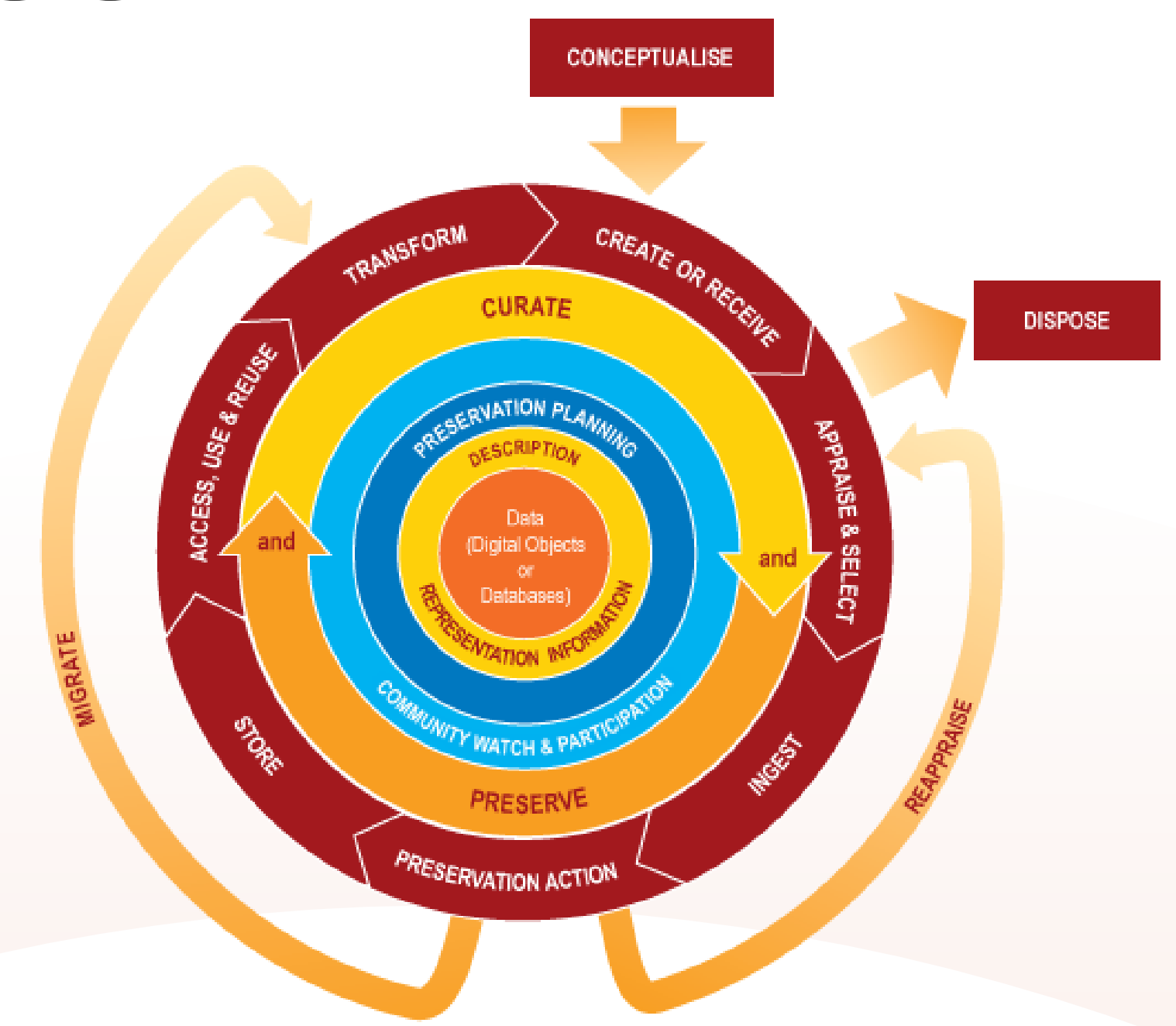


# Data papers as a catalyst for Open Access and the long tail of research data

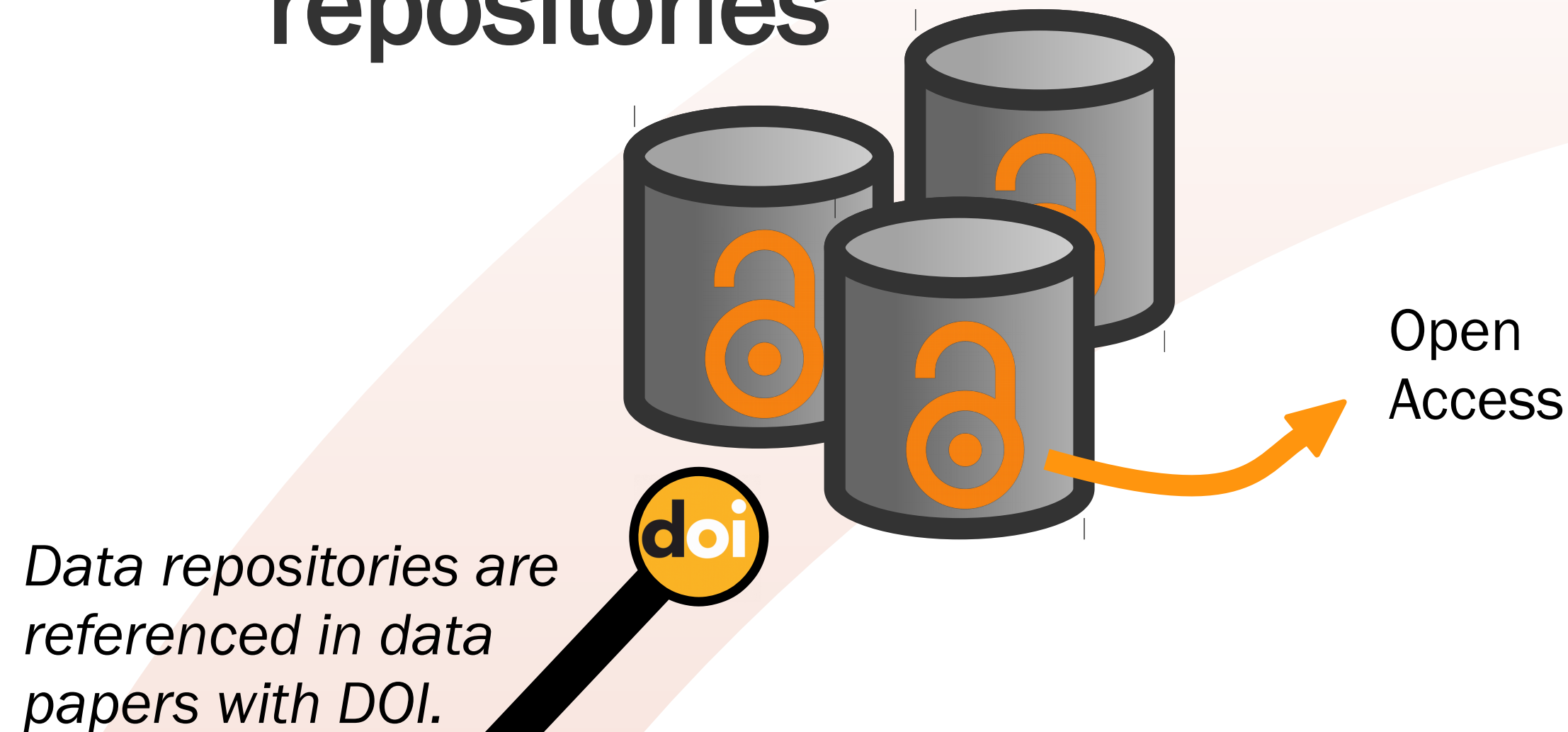
The ambition of this poster is twofold:

On the one hand, it aims to shed more light on data papers by showing their publication cycle, representing the various actors contributing and the relationship to other academic works. It also shows the added value of data papers and the potential that this new form of academic publication has for Open Access.

On the other hand, it shows the need of a consortial activity in Switzerland towards the creation of a data paper platform for the long tail of research data.



## data sets in data repositories



## research data management

## data papers



*“A scholarly publication of a searchable metadata document describing a particular online accessible data set, or a group of data sets, published in accordance to the standard academic practices” (Chavan & Penev, 2011)*

### Components

Title – Authors – Abstract – Keywords – Context (spacial and temporal coverage) – Methods (steps, sampling strategy, quality control, constraints, ethical considerations) – Dataset description (object names, data type, formats, creators, creation/publication dates, language, license, DOI) – Reuse potential – Acknowledgements – References

## benefits

A data paper...

- promotes dataset availability
- guarantees dataset quality
- provides searchable metadata for datasets
- triggers rewards for the researcher who shares high quality data
- has the same publication and citation model than research papers (peer-review, publishers, references guidelines, etc.)
- might serve as basis for a data recommender system
- supports data citation (DOI)

Data papers are linked to research papers with DOI.



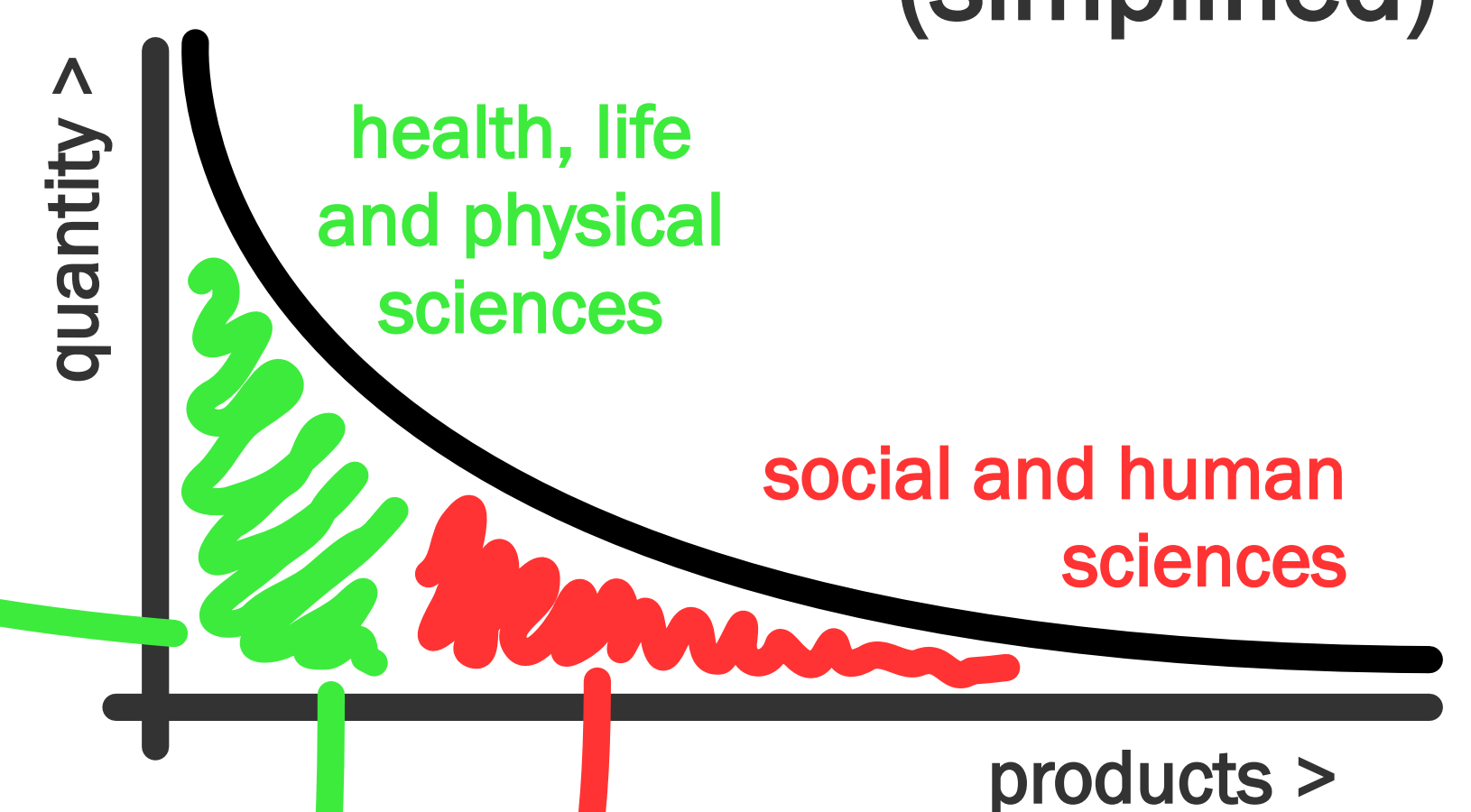
## data journals



Pure data journals contain only data papers. Mixed data journals contain also traditional research papers. Most of them are Open Access.

## the long tail of research data (simplified)

Data journals contain mainly data papers from the hard sciences.



### Bibliography

CANDELA, Leonardo, CASTELLI, Donatella, MANGHI, Paolo and TANI, Alice. Data journals: a survey. *Journal of the Association for Information Science and Technology*. 1 February 2015. P. 16. DOI 10.1002/asi.23358.

CHAVAN, Vishwas and PENEV, Lyubomir. The data paper: a mechanism to incentivize data publishing in biodiversity science. *BMC Bioinformatics*. 15 December 2011. Vol. 12, no. Suppl 15, p. S2. DOI 10.1186/1471-2105-12-S15-S2. PMID: 22373175.

HOLE, Brian. From Open Access to Open Data. *DPC Workshop* [online]. York (UK), 5 July 2013. [Accessed 15 June 2015]. Available from: <http://fr.slideshare.net/brianhole/from-open-access-to-open-data>.

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