

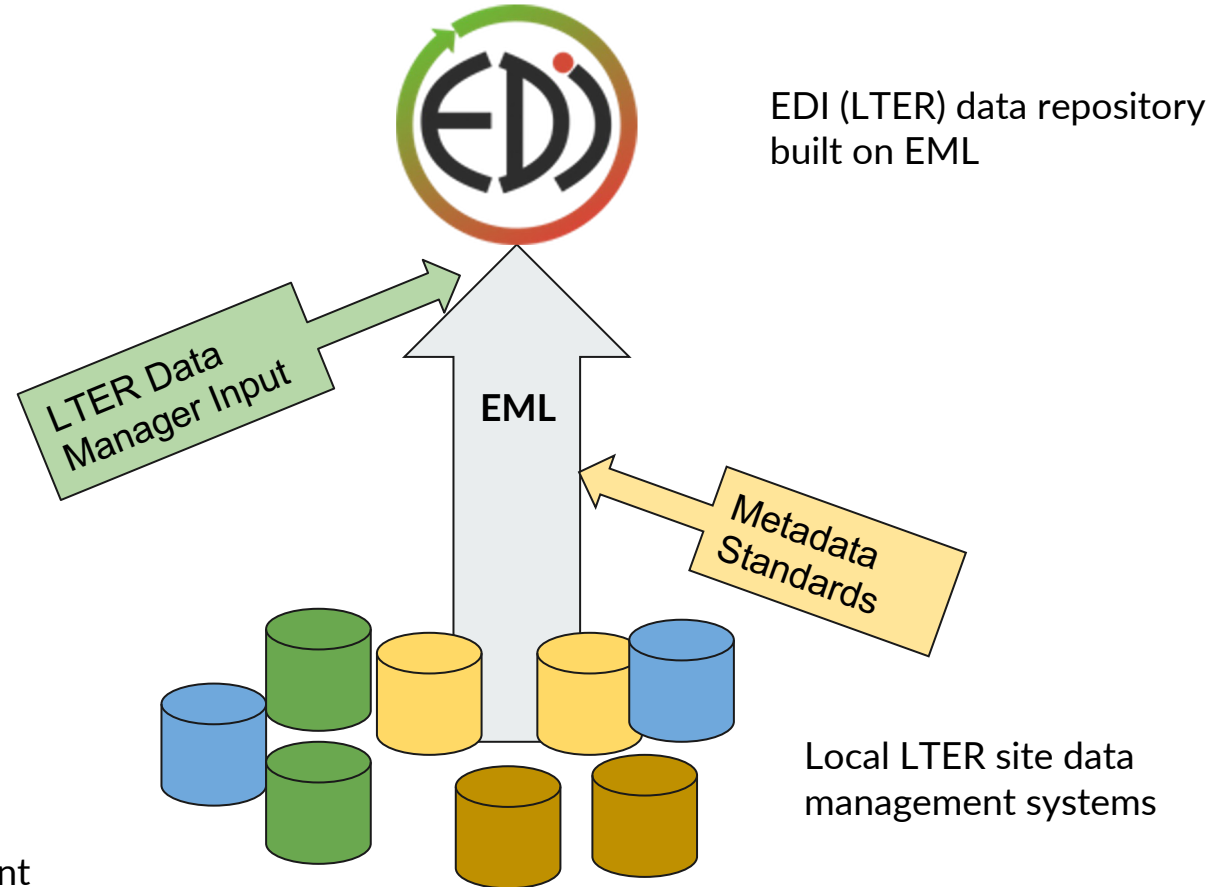


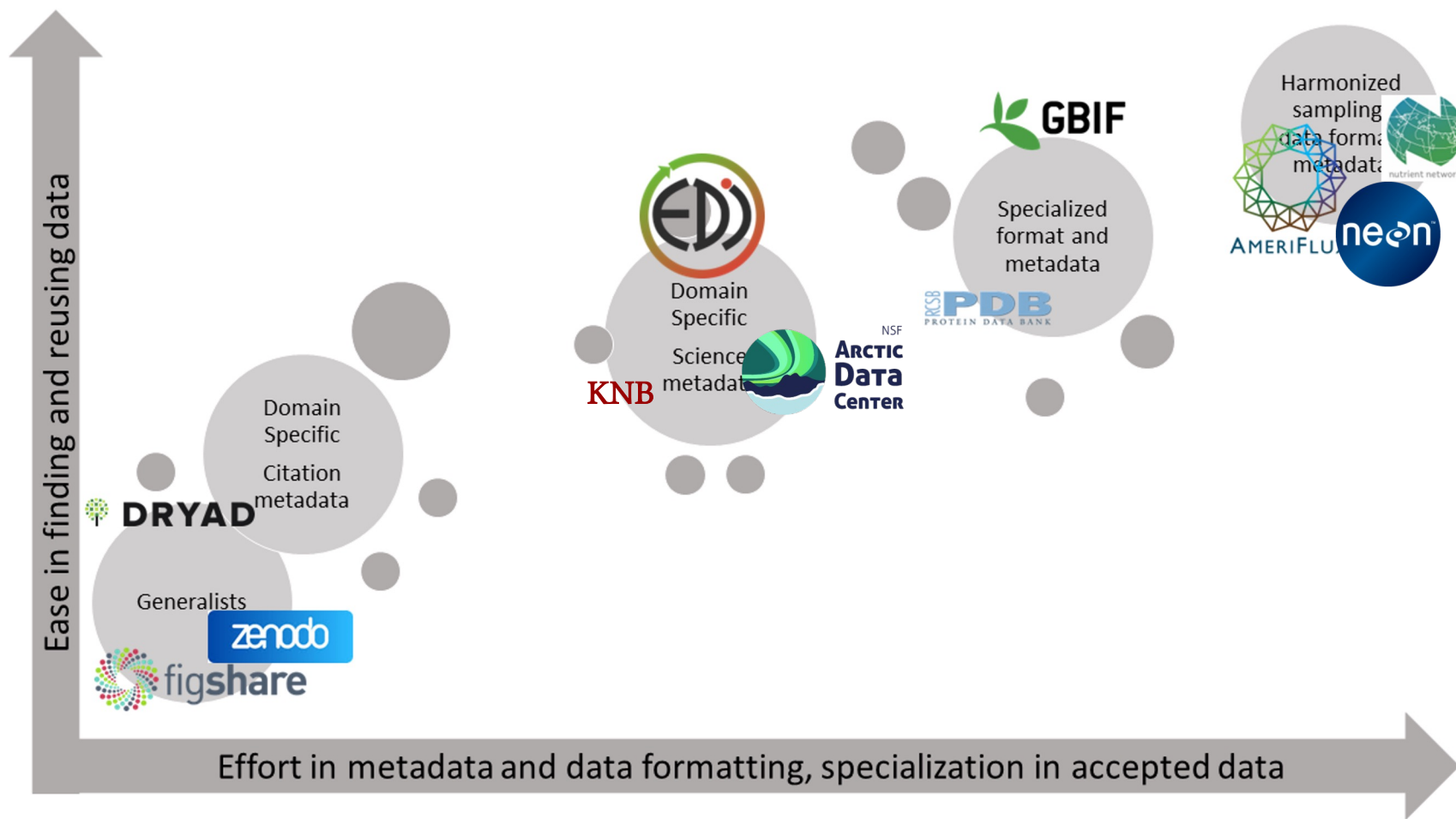
Measuring FAIR

Corinna Gries, Environmental Data Initiative



**> 40 Years in
the Making**







Measuring FAIR

User interviews

Wilkinson et al. 2016, Research Data Alliance (RDA), DataONE

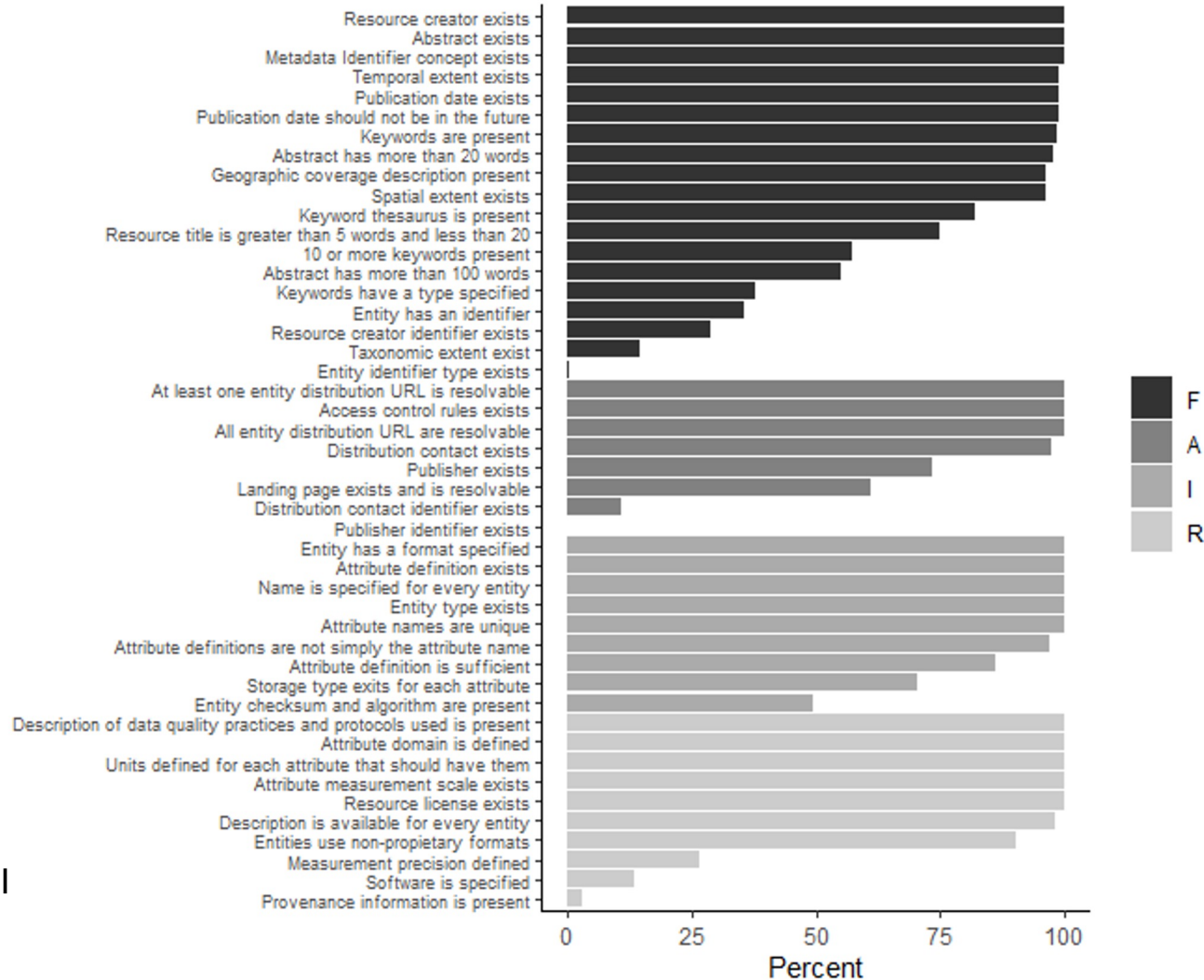
Data Use: data downloads, data citations, data provenance

Peer review - data papers

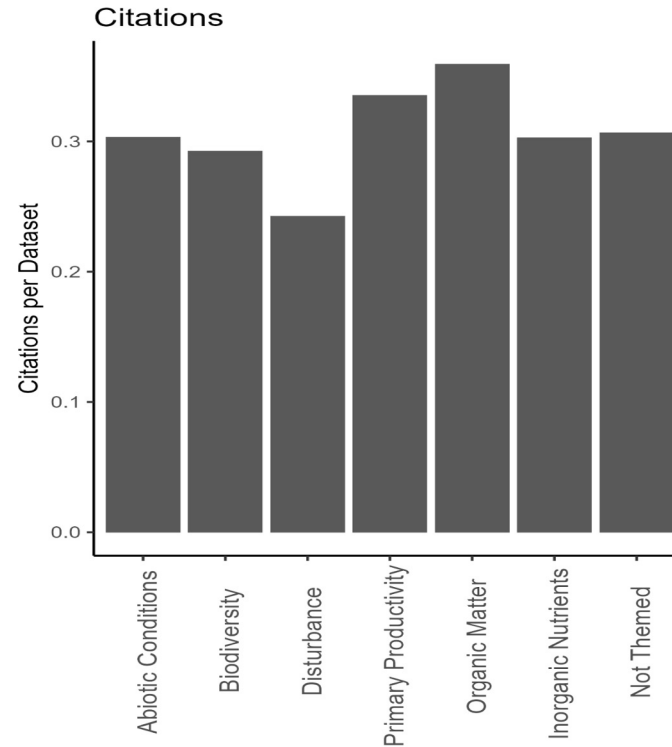
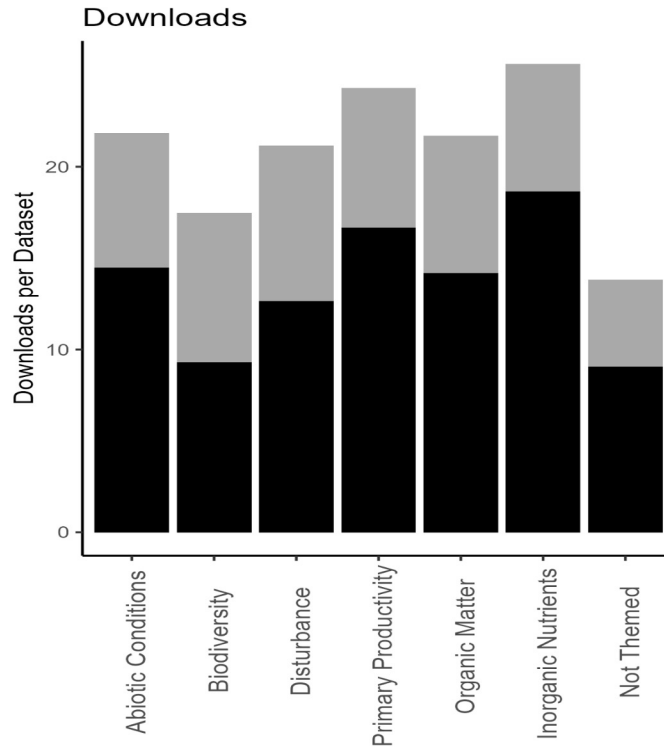
Design patterns

Machine Evaluation FAIR Metadata

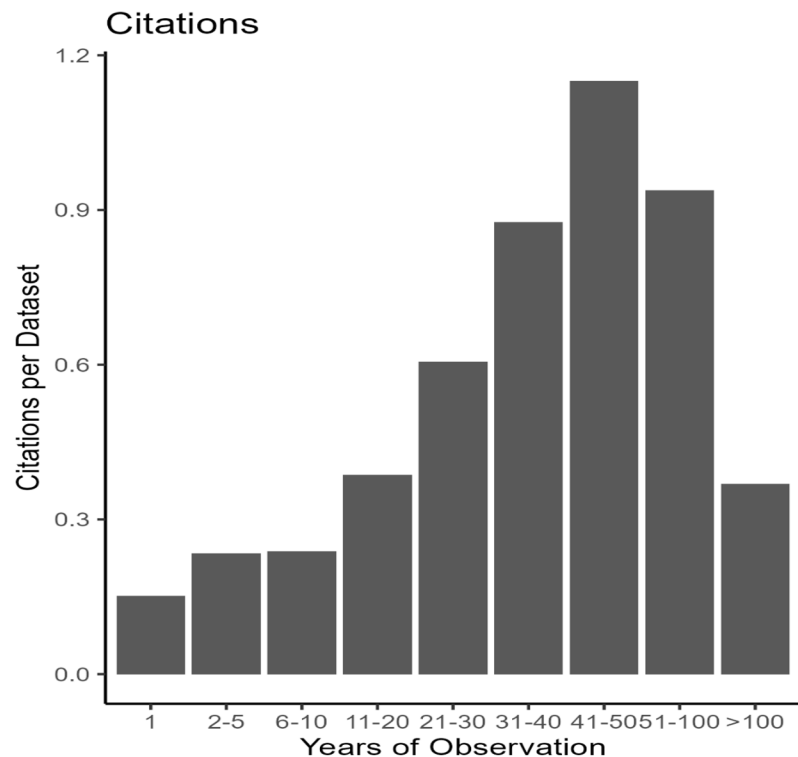
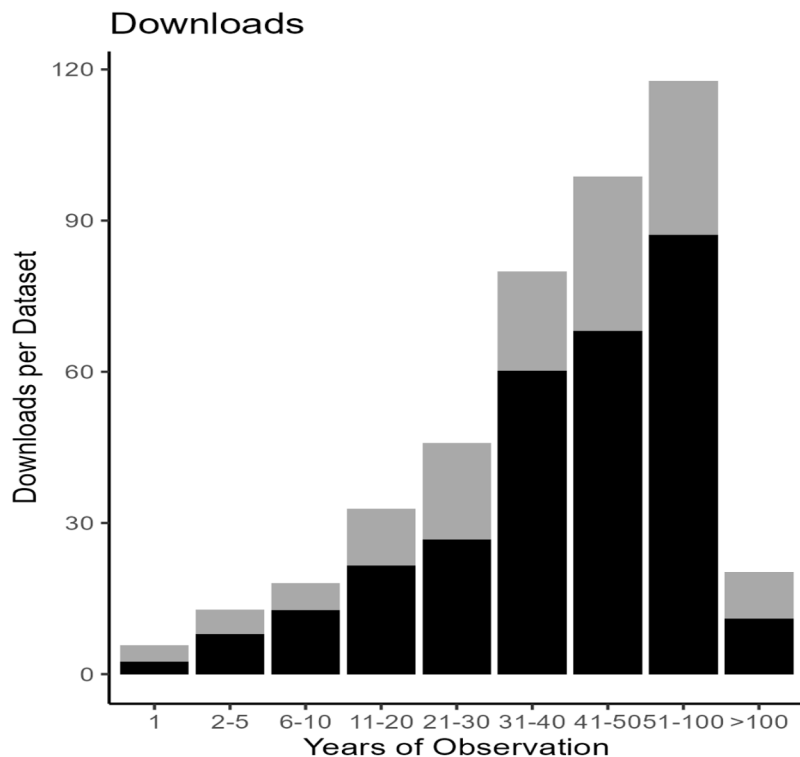
~ 9000 datasets in EDI



Evaluating FAIR through Data Use

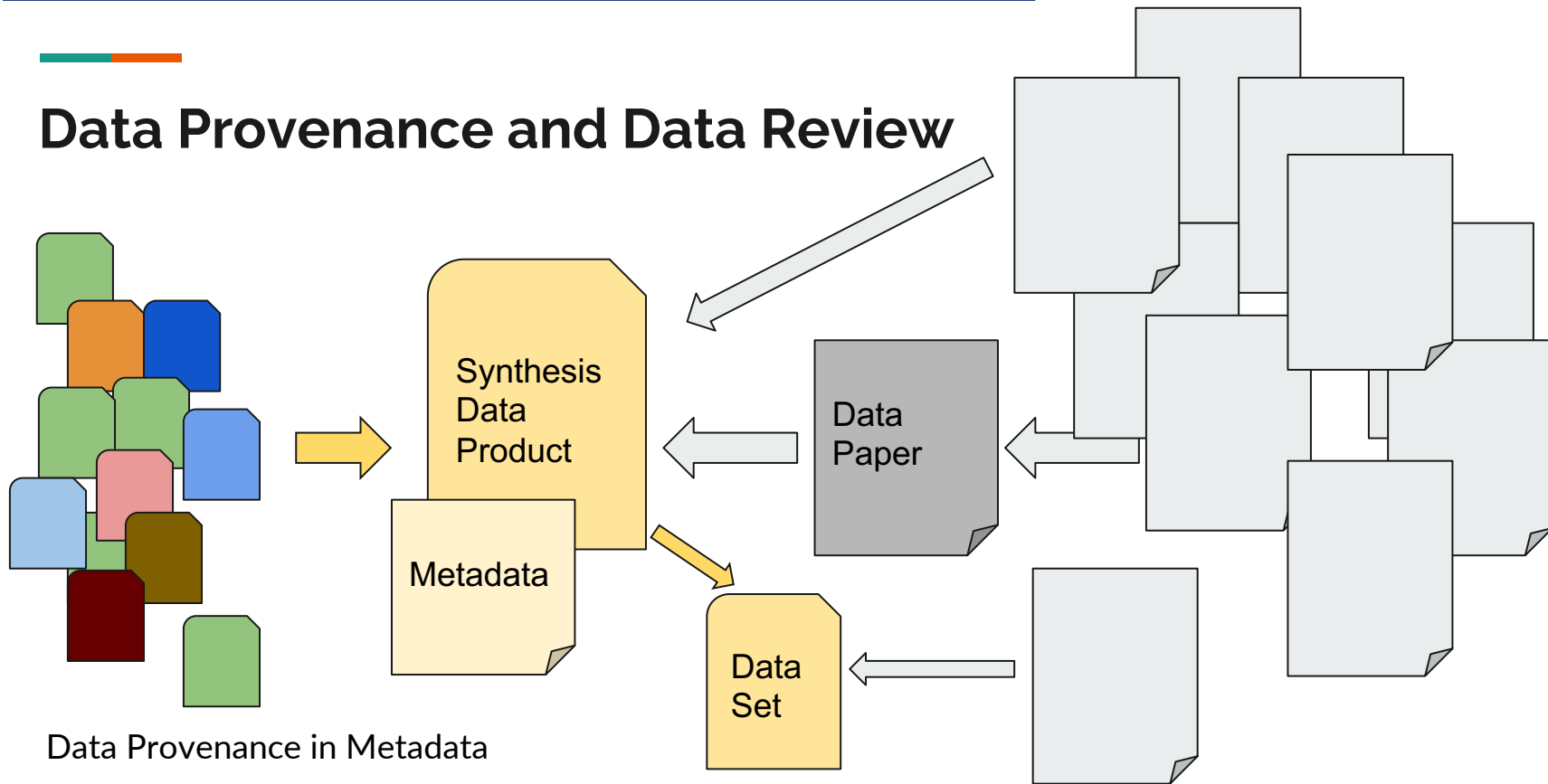


Evaluating FAIR through Data Use



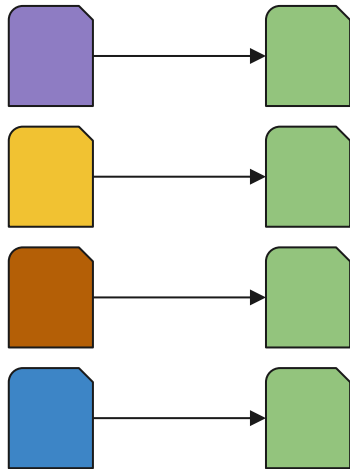
E.g., <https://portal.edirepository.org/nis/mapbrowse?packageid=edi.101.3> Soranno et al. 2019

Data Provenance and Data Review





Design Pattern



Considerations:

- Original format had a purpose
- Doesn't lose contextual information
- Automated updates

EDI's ecocomDP
~ 70 datasets
R package

Thank you

