

# RDA Initiatives on Data Citation and Publication

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# Relevant RDA Working Groups

- Working Group on Data Citation
- Working Group RDA/WDS on Publishing Data Services

# Working Group on Data Citation

- There is a catch here:
  - The name of the Recommendation is now:  
*Data Citation of Evolving Data*
  - On at least one occasion the WG referred to itself as:  
*Working Group on Citation of Dynamic Data*
  - The emphasis is on evolving data sets (think, e.g.: oceanic or meteorological datasets that keep growing)
- What is central in this recommendation is being able to exactly replicate a dataset as it was retrieved at a particular point in time, regardless of what was actually used
- The result is that this recommendation is pretty useless for many of us – LSST and similar programs clearly excepted

# WG RDA/WDS Publishing Data Services

- “Building on pre-existing components and international initiatives, the WG is focusing on a one-for-all cross-referencing service for the links between data and publications. The challenge for the working group is *‘How to move from a plethora of (mostly) bilateral arrangements to a one-for-all service model infrastructure for the research data publication landscape?’* ”

# Publishing Data Services

- A prototype was developed and demonstrated:  
<https://dliservice.research-infrastructures.eu/#/>
  - Supported by OpenAire, based on infrastructure provided by DataCite and CrossRef
  - A broker that collects and connects existing links, handling a variety of existing PID systems
- The WG developed interoperability framework *Scholix*:  
<http://www.scholix.org>

# Awkwardness in Use of DOIs

- Two (somewhat conflicting) requirements:
  - Data citation DOI should be a PID referring to a single dataset
  - Going from literature to data should bring the reader to an aggregated landing page, based on all (related) DOIs
- Currently, with `ivo://ADS` PIDs, ADS does aggregation
- DataCite won't (cannot) do that
- Consequently, we need two types of DOIs:
  - Article-based, containing the datasets used in the article
  - Dataset-based, knowing about all articles using the set

# Will Scholix Provide the Link?

- Wouter Haak said he thinks it will
  - I have my doubts – he has not got back to me, yet
- For now, we'd better assume that we need to implement the dual DOI system
- Note that the linking is supported by DataCite standard metadata, using:
  - IsCitedBy & IsPartOf in dataset-based DOIs
  - IsCitedBy & HasPart in article-based DOIs
- On the positive side: it's good to know that others are grappling with the same issues