

RDA Denver feedback

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□ Outline

A quick feedback with a focus
on a few topics

□ Big Data IG

- More interesting when it was Big Data analytics.
- Was mainly (this time) an introduction of the Array Database WG.
- Astronomy could have an action in this group (or in this domain) but needs an investment.

□ Array Database Assessment WG

- “Focus is strictly on arrays (rasters) to be able to achieve meaningful results”
(raster DBMS: capabilities for storage and retrieval of massive multi-dimensional arrays).
- 2 use case providers
 - Earth Science
 - I am volunteer for a use case in astronomy
- Other participants should provide the software side, maybe storage and computing time.
- Comments...

□ Reproducibility IG

- This interest group seeks to advance and enable reproducibility in research based on or producing datasets
- Very interesting talk from Andreas Rauber
 - Link to a school around this topic
 - http://drops.dagstuhl.de/opus/volltexte/2016/5817/pdf/dagrep_v006_i001_p108_s16041.pdf
- Utopia ?
- Efficient actions:
 - Well documented source code
 - Well documented methodology
 - Well documented workflow and dataflow
 - Well ...
- Comments...

□ Data Versioning BoF

- Huge volume of data produced (multi-tera, .., petabytes), potentially dynamically changing, etc.
- Data Citation WG -> need for data versioning
- Need of a Best practice ?
- Comments...

□ Research Data Repository Interoperability BoF (WG)

- The aim is to establish standards for research data repository platforms interoperability
 - Overview of technologies and contact person for each one
 - Work on a generic “export / import” formats and API
- Comments...

□ Software for Better Description and Retrieval of Online Scientific Data BoF

- Mainly applications demos
- Comments...