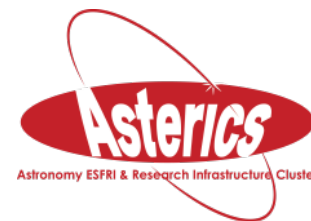# RDA Denver feedback

André Schaaff

Centre de Données astronomiques de Strasbourg

IVOA, Trieste, 2016

☐ 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...