

RDA 9 Barcelona

feedback

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DCP Session

IVOA, Shanghai, 14-19/05/2017



H2020-Astronomy ESFRI and Research Infrastructure Cluster (Grant Agreement number: 653477).

□ Co-located events

- Data management services in the Cloud
(managed by Jesus Marco de Lucas, IFCA-CSIC)
 - Data Management Plan becomes mandatory in many projects, <https://dmponline.dcc.ac.uk/>, also SMP for software
 - INDIGO-DataCloud (open source data and computing platform), ONEDATA (Global data access solution for Science), INDIGO IAM (identification and authorization), use cases in several domains, etc.

□ IG Big Data

- A talk about Provenance from Samuel Kerrien in the frame of the Blue Brain Project (Sean Hill attended the Madrid IVOA meeting in 2014)
 - Based on W3C PROV-O et PROV-DM
 - As general as possible, model to represent provenance and high level concept of provenance entity
 - Users will define their own provenance entities through schemas and register them
 - Platform API will dynamically reflect and validate registered entities
 - Semantic search of integrated metadata and provenance graph
 - Next workshop in which people from IVOA will be welcome to share their experience

□ IG Big Data (2)

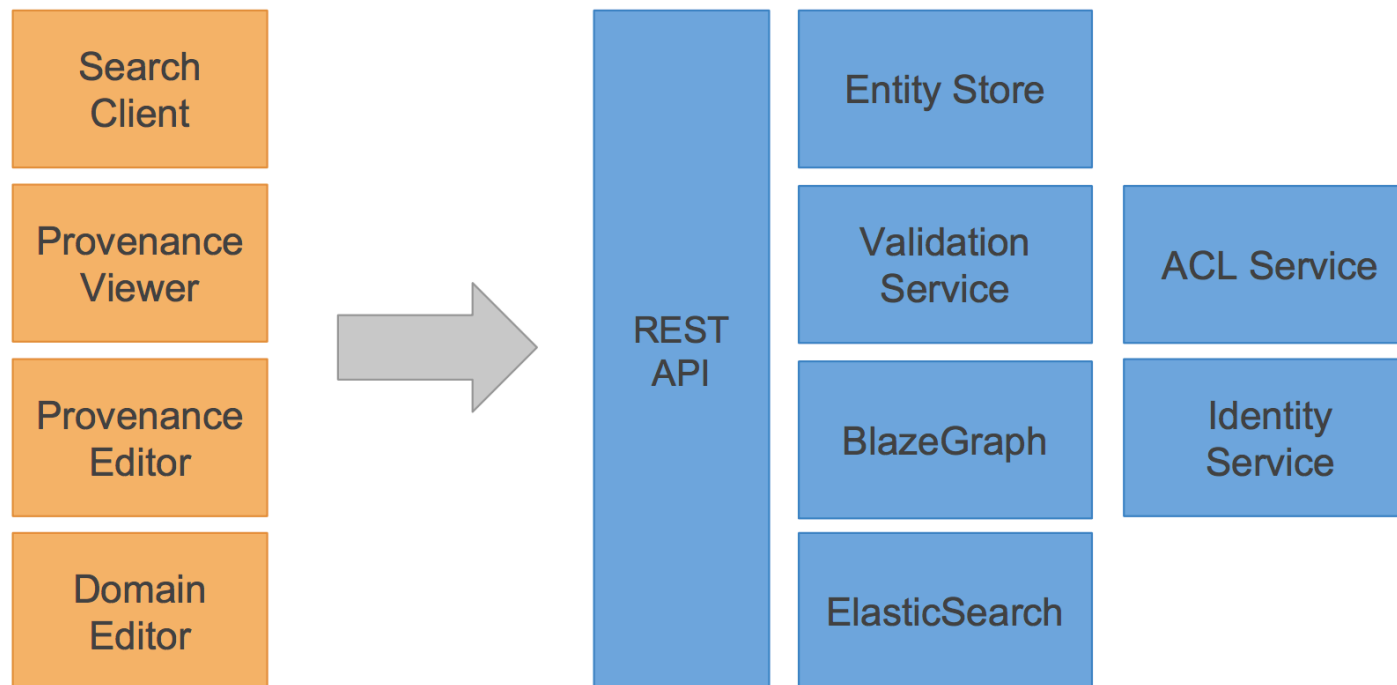
Minimum Information about a Neuroscience DataSet (MINDS)

- **Specimen:** age, sex, species, strain (when applicable)
- **Classification** properties, such as cell type
- **Brain location** either using ontological term or spatial coordinates
- **Contributors** and their **affiliation**
- **Methods** and parameters used to generate the data and the date they were created
- **Data category** and format
- **Access** to the data and the format.
Only Raw DATA or links to Raw DATA will be processed.
- **License**

Credits: Samuel Kerrien

□ IG Big Data (3)

Blue Brain Nexus - Architecture Overview



Credits: Samuel Kerrien

□ IG Repository Platforms for Research Data

- Charter: The RDA Repository Platforms for Research Data working group will gather and analyse research data use cases in the context of repository platform requirements (generic API specification, import/export formats, etc.).
- Discussion about VOSpace with David Wilcox (Duraspace, co-chair of the IG) => description of it in the document which will be provided soon

□ IG Federated Identity Management

- Discussion with people from ORCID for a need in VAMDC (Carlo Maria Zwölf) and VOSpace (at CDS in the frame of a VOSpace implementation / access)
 - Exemple: use of an ORCID to access a VOSpace
 - Telecon after the IVOA meeting

□ WG Array Database Assessment

- (raster data: simulation, image, statistics, ...)
- Use cases in Earth Science, Astronomy, ...
- I am working on the astronomy use case
- Remarks

□ Joint meeting about Data Rescue

- IG Data Rescue, IG Domain Repositories, IG Metadata, IG Big Data, IG Ethics and Social Aspects of Data
- Data in analogue or early digital formats, not accessible to researchers, etc.
- How to encourage efforts to rescue the data ?, how to fund it ?, etc.
- Survey will be done

□ BoF Software Source Code focus group

- Software source code sharing, preservation and reproducibility
- Remarks



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