# RDA Data Fabric IG - P11 Berlin core session

**Introduction and group scope**

Throughout the last years, the data fabric group has established a conceptual framework for digital object management with particular emphasis on applications within research data infrastructures, dealing with their day-to-day problems of making data management more efficient and effective, providing added value for users not possible today due to gaps between repositories and other operational systems. The notion of data fabric *components* is a key element in this framework, and past discussions have focused particularly on PID-related components. This resulted in the foundation of the Kernel Information group in particular, which deals with the PID component in detail.

**Additional links**

Group home page:

<https://www.rd-alliance.org/group/data-fabric-ig.html>

Recommendations implementing a virtual layer:

<https://www.rd-alliance.org/group/data-fabric-ig/wiki/recommendations-implementing-virtual-layer-management-complete-life-cycle>

Webinar: Data Fabrics

<https://www.rd-alliance.org/webinar-data-fabrics>

**Meeting objectives**

With the Data Fabric framework established and components laid out, the meeting will focus on seeking out the next components to concentrate on as part of the future groups’ work across the next plenaries.

**Meeting agenda**

1. Brief introduction to Data Fabric concepts and past discussions; agenda bashing (10 min.)
2. Overview on community, project and infrastructure driver perspectives, based on output of pre-P11 discussion (30 min. max). Themes include:
   1. Overarching challenges, e.g., common object and collection management, provenance and metadata concerns, data processing.
   2. Community application perspectives
   3. Mapping with other relevant RDA groups
3. Open discussion on next steps (45 min.). The focus will be on concrete deliverables to work on, including discussion papers and articles, proposals for new WG(s), specific implementations, test beds and other adoption efforts.

**Target audience**

The data fabric group welcomes contributions in particular from service infrastructure designers and developers, data policy stakeholders, scientific user groups as well as other RDA groups, both technologically- and community-oriented.

**Appendix: Individual contributions for the driver talks from our discussion on Dec 19**

*This (open-ended!) list can form the base for our collaborative working document.*

* 1. A common object and collection management approach (Tobias/Larry/Peter?, Ulrich?)
  2. ENVRIplus Provenance concerns (Abraham/Barbara): analysis of ENVRI provenance use cases and their mapping to DF components.
  3. BONSAI perspective (Michele?)
  4. Metadata components and metadata fabrics (Rainer/Kirsten?)
  5. Data processing and workflows (Tobias/Sandro?)
  6. Chinese metadata projects (Jianhui/..?)
  7. Relationships with the [From Observational Data to Information (OD2I) IG](https://www.rd-alliance.org/groups/observational-data-information) (Markus et al.): Looks at data interpretation and the evolution of information from (observational) data, information about observed environments. Ties into e) data processing and workflows as well as b) provenance.