



Toward a generic and integrated FAIR data management platform

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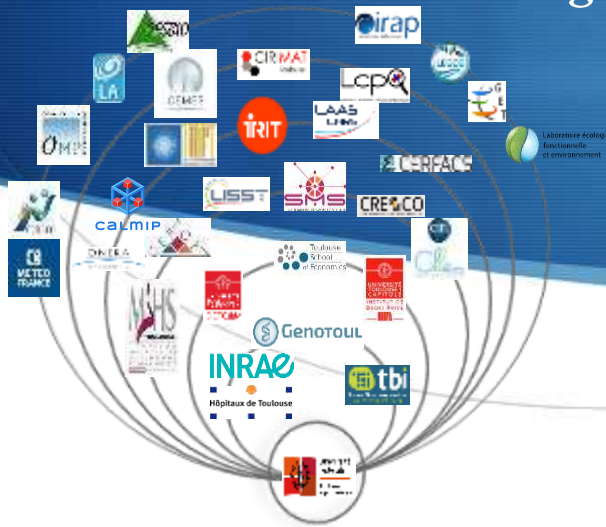
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18th Research Data Alliance Plenary
Poster session (#13)

Toward a generic and integrated FAIR data management platform

dataNOOS

Steering Committee and dataCore experts group

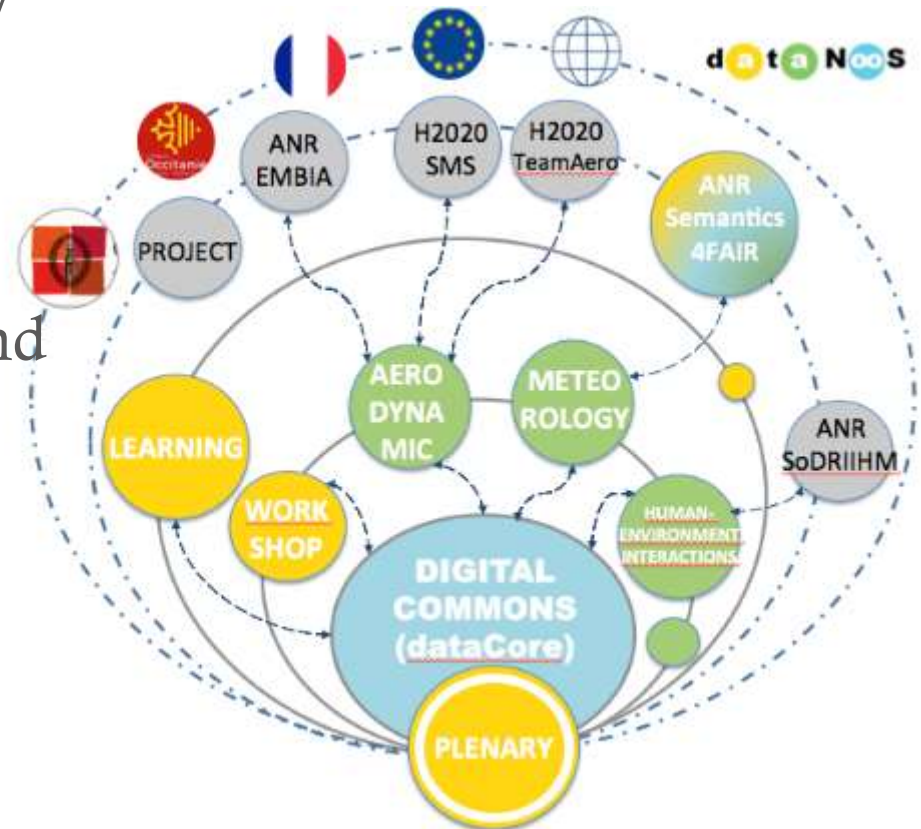


Towards Open Science

- ◆ Gather the academic community in Toulouse area
- ◆ Facilitate cross-disciplinary data sharing
- ◆ Promote scientific data exposition
- ◆ Identify needs and threats about open science
- ◆ Boost and impulse new research/projects

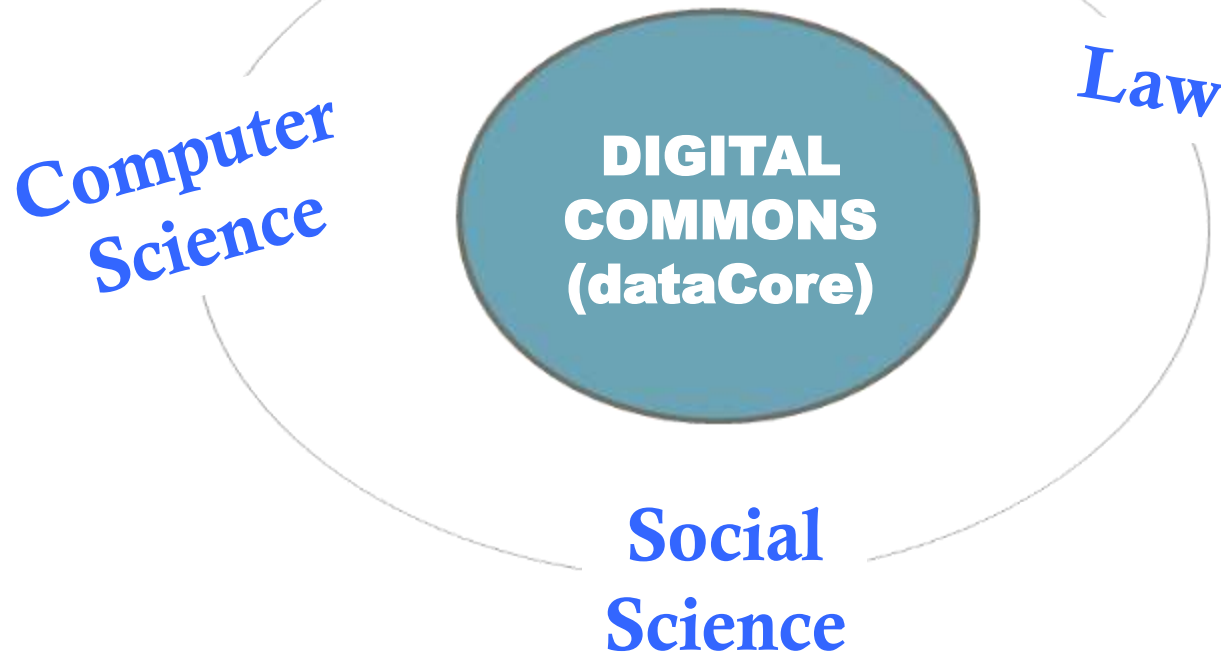
An academic agora

- ◆ Interdisciplinary methodology
- ◆ Collaborative approach (workshops, plenary)
- ◆ Anchored to local, regional and national institutions
- ◆ Attentive to European and international works



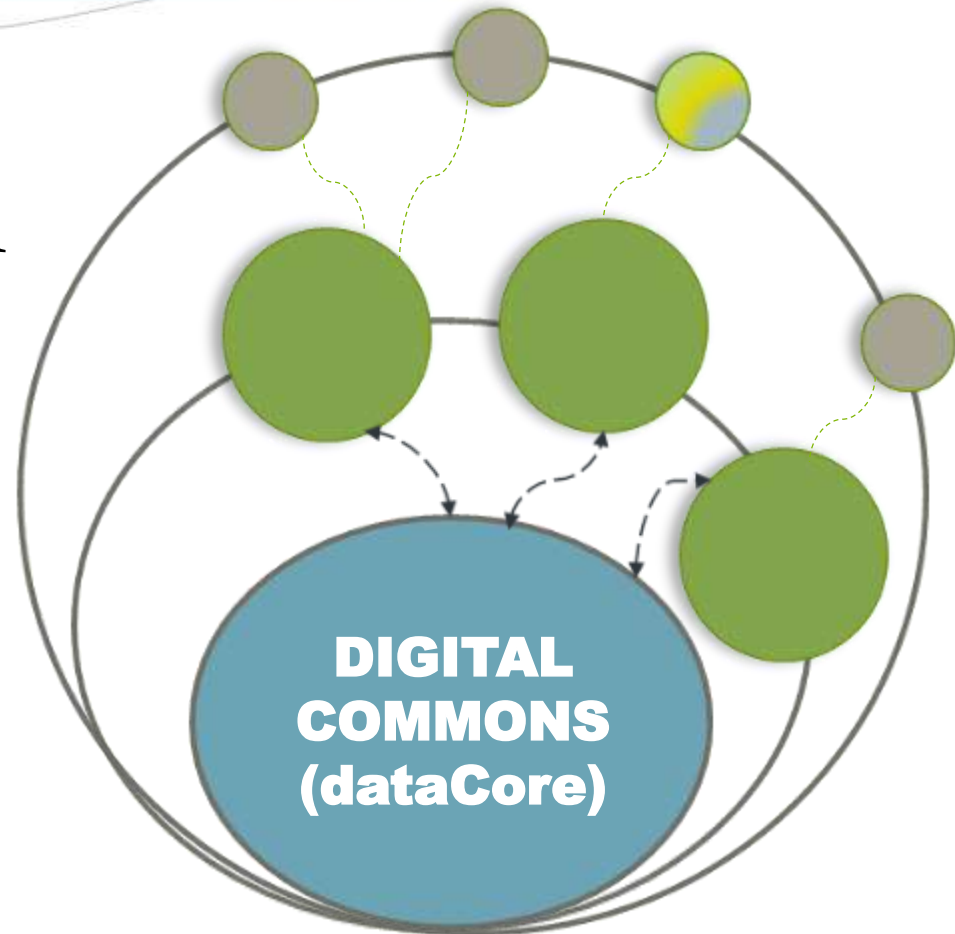
How to build digital commons?

1. To create a multidisciplinary experts group (dataCore) to deal with issuers about commons



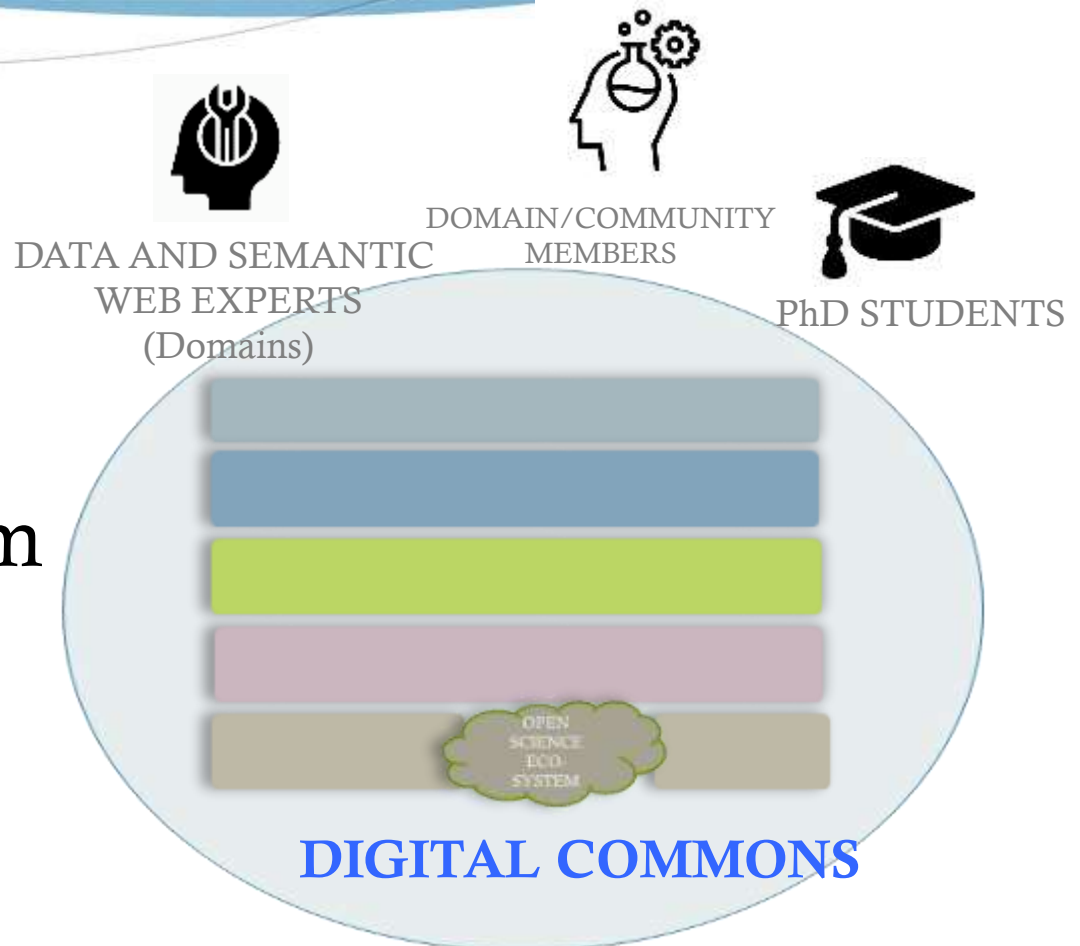
How to build digital commons?

2. To collect feedback/issues from researchers through **use-cases** (linked to projects) and in regard with the data life cycle



How to build digital commons?

3. Capitalize by prototyping an end-user platform



Some Use Cases

(see RDA posters 4 & 15)

FAIR Meteorological data

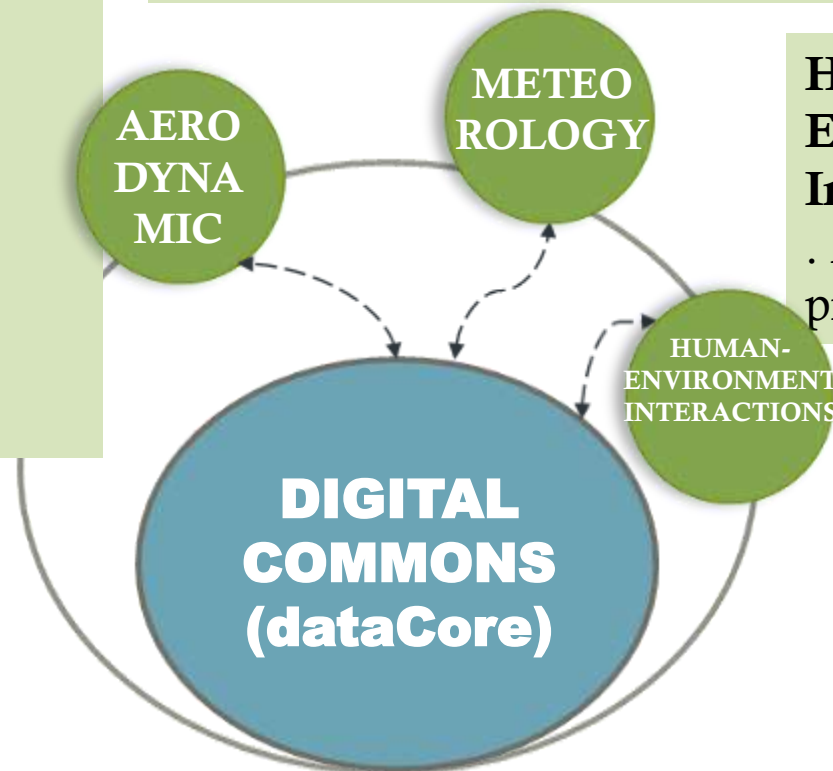
- . Meteorology, AI, biology
- . ANR Semantics4FAIR project

Enhanced & intelligent aerodynamic data modeling

- . Hydrodynamics, computer science, law, environment, material sciences.
- . H2020 projects (SMS, TeamAero) + ANR EMBIA project

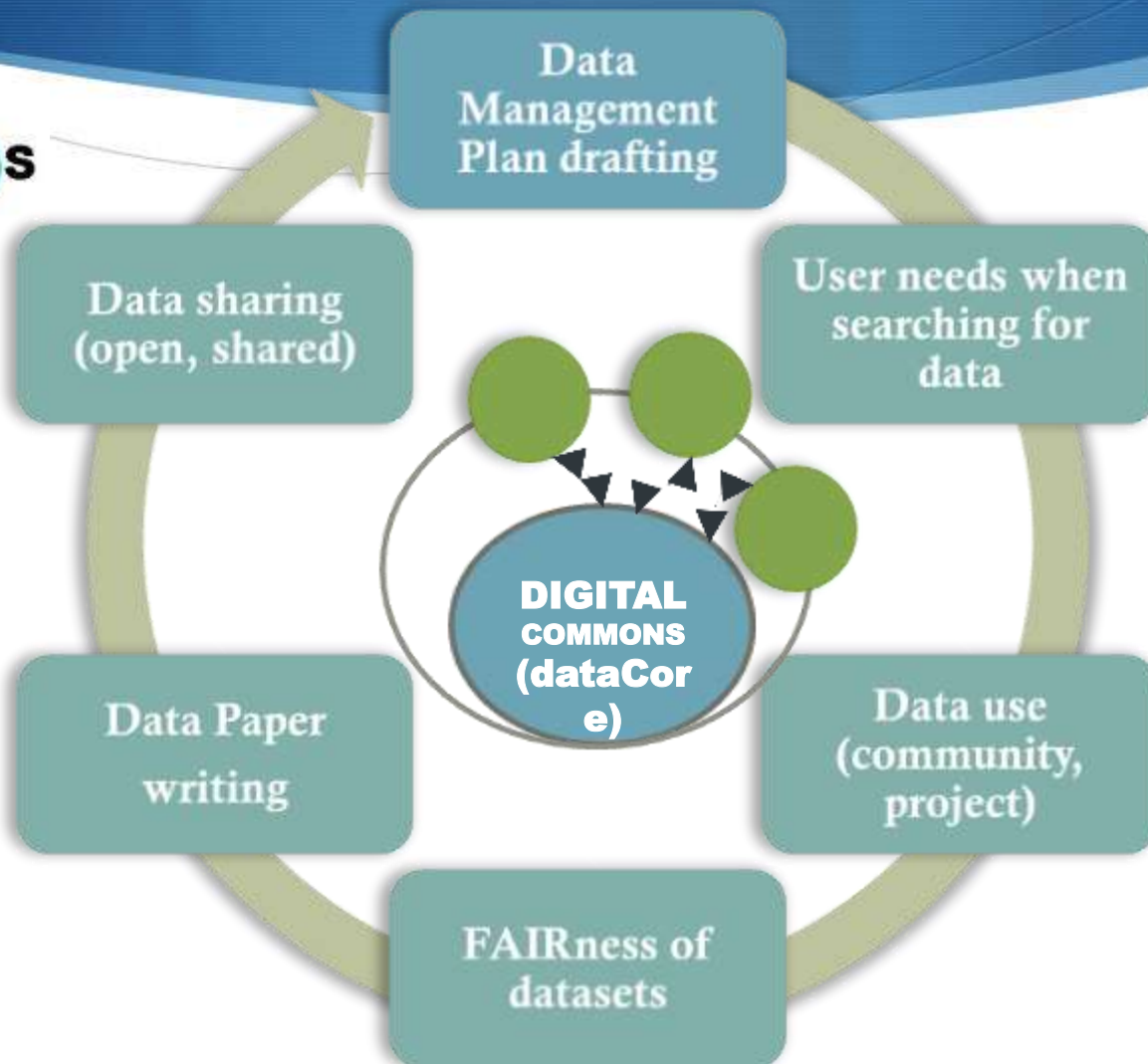
Human-Environment Interactions

- . ANR So-DRIIHM project



Some issues in the data life cycle

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A platform for dataset management

dataNooS



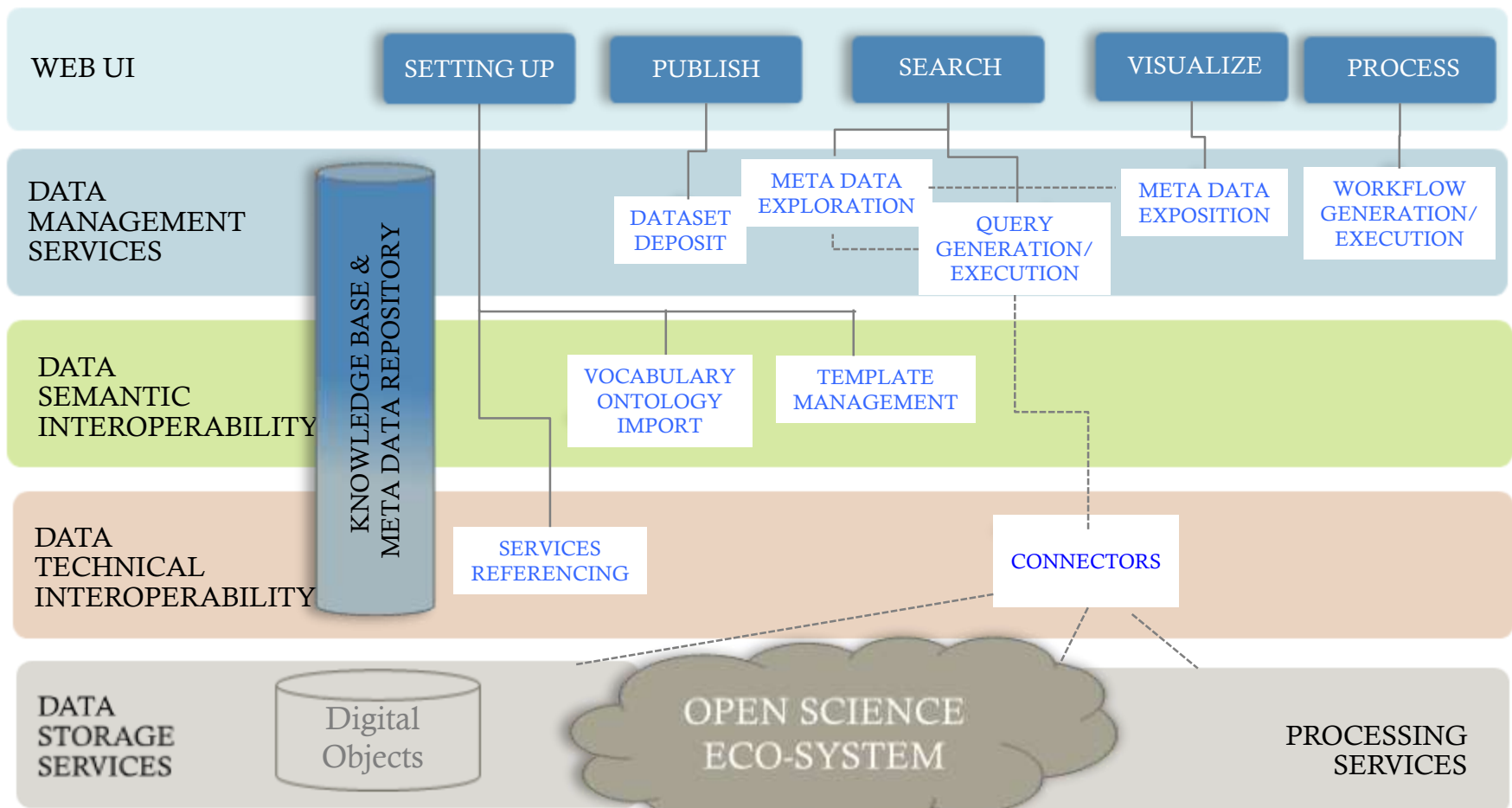
DATA AND SEMANTIC WEB EXPERTS
(Domains)



DOMAIN/COMMUNITY MEMBERS

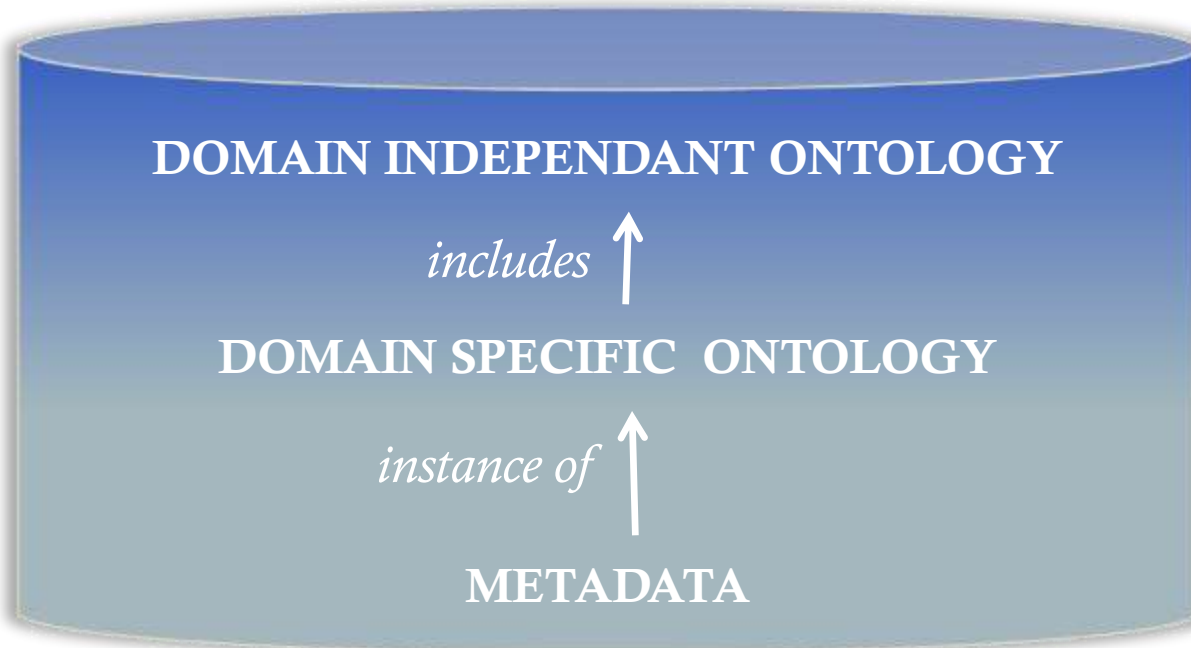


PhD STUDENTS

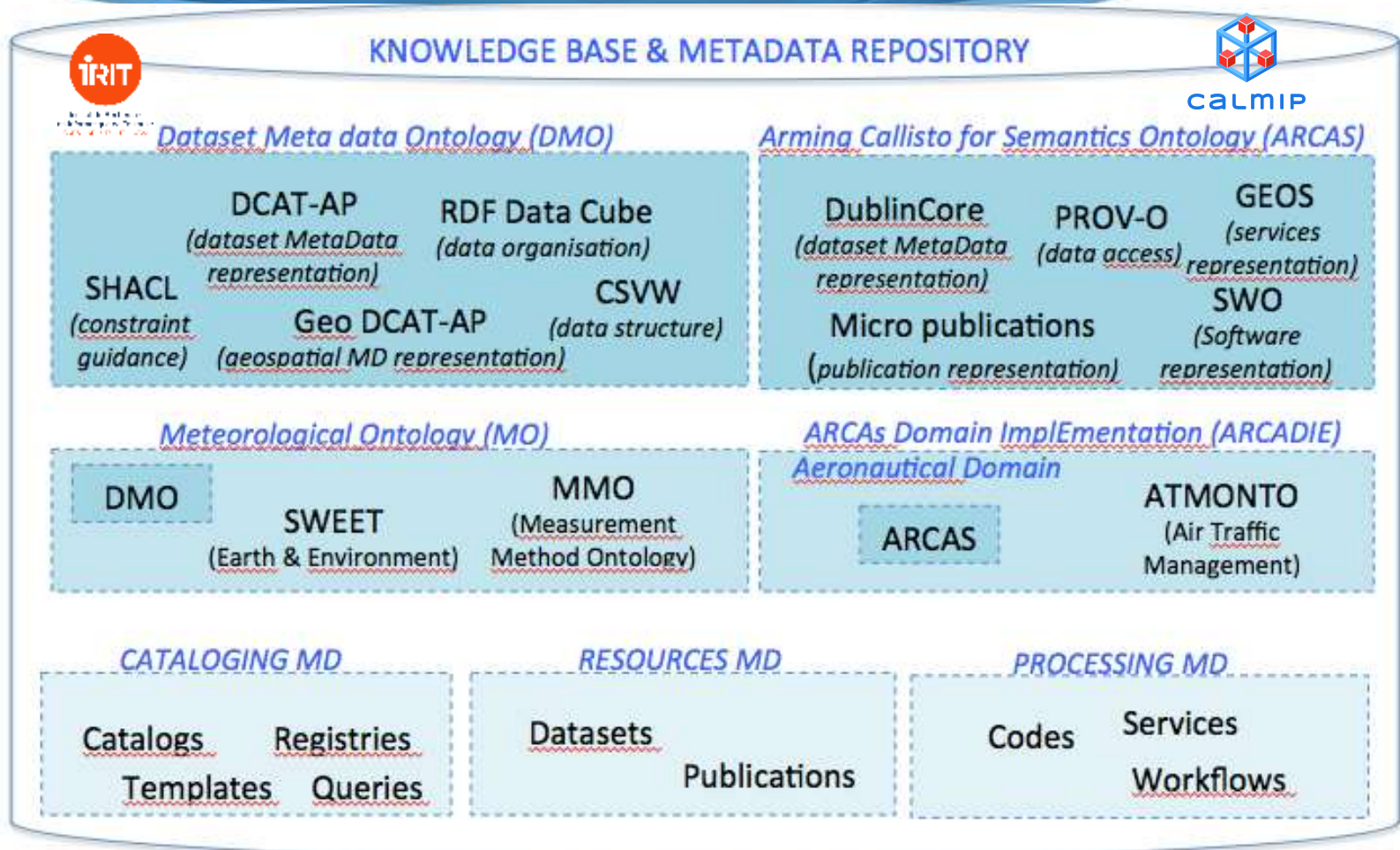


Ontology based approach for FAIR digital objects

We use ontologies for building a knowledge base and metadata repository for FAIR digital objects



Focus to the Knowledge Base and Metadata Repository

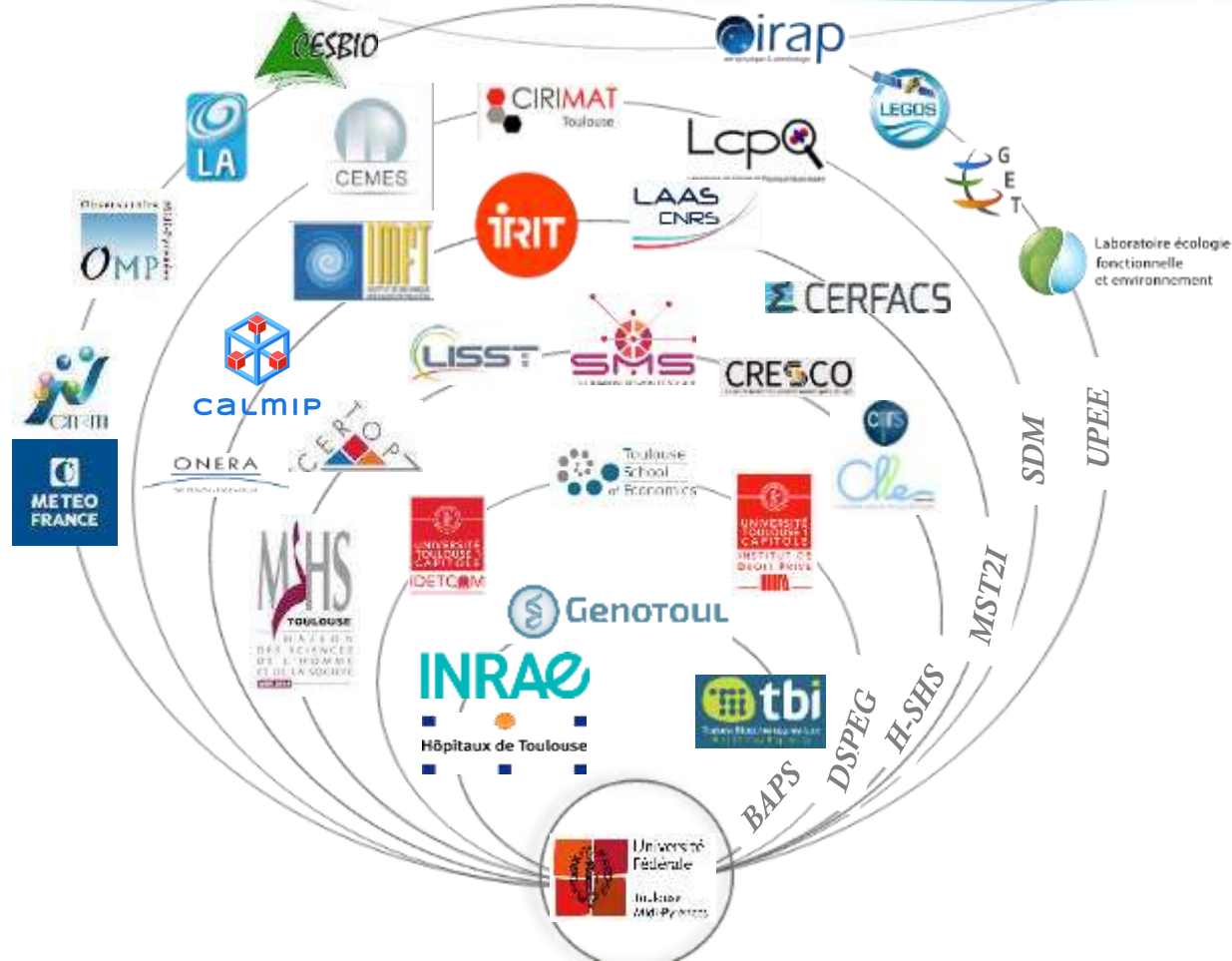


Link to RDA WGs

- ◆ Link to the Research Data Repository Interoperability WG :
 - ◆ FAIR principles and standards adoption
 - ◆ an integrated platform for connecting Open Science ecosystem
- ◆ Link to the FAIR Data Maturity Model WG :
 - ◆ a generic platform for domain and community specializations
 - ◆ Data quality checking
- ◆ Link to RDA for interdisciplinary research
 - ◆ a generic platform to manage cross-disciplinary datasets

PARTNERS

dataNoos



30 research units

covering the 6 research
coordination hubs in the
Toulouse University :

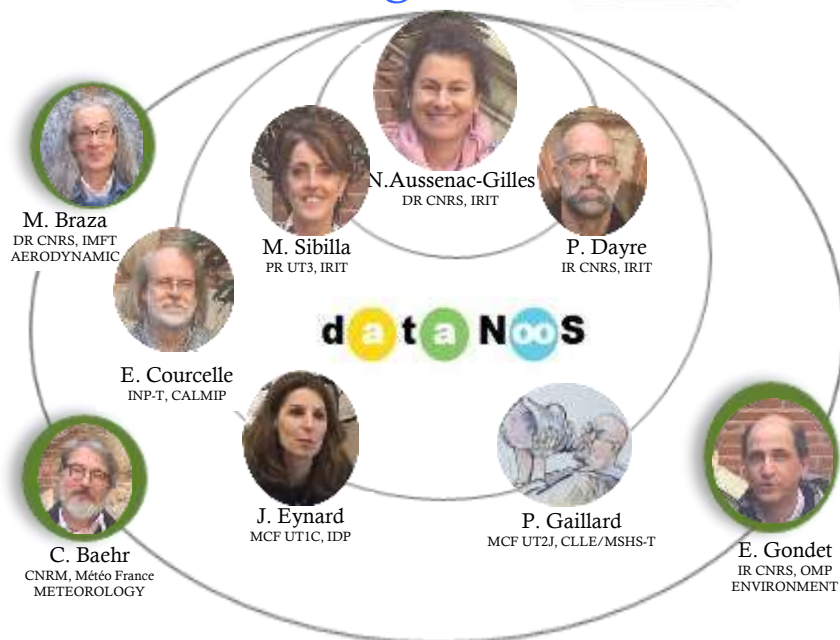
- BAPS : Biology, Agronomy, Biotechnology, Health
- DSPEG : Law, Political Science, Economics, Management
- H-SHS : Humanities, Social Sciences and Society
- MST2I : Mathematics, Sciences and Technology of Information and Engineering
- SDM : Sciences of matter
- UPEE : Universe, Planets, Space, Environment

(around 120 members)

CONTRIBUTORS



Steering Committee



dataCore experts group

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Visit our web site :

<https://datanoos.univ-toulouse.fr/en/>

Visit the CALLISTO platform :

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