

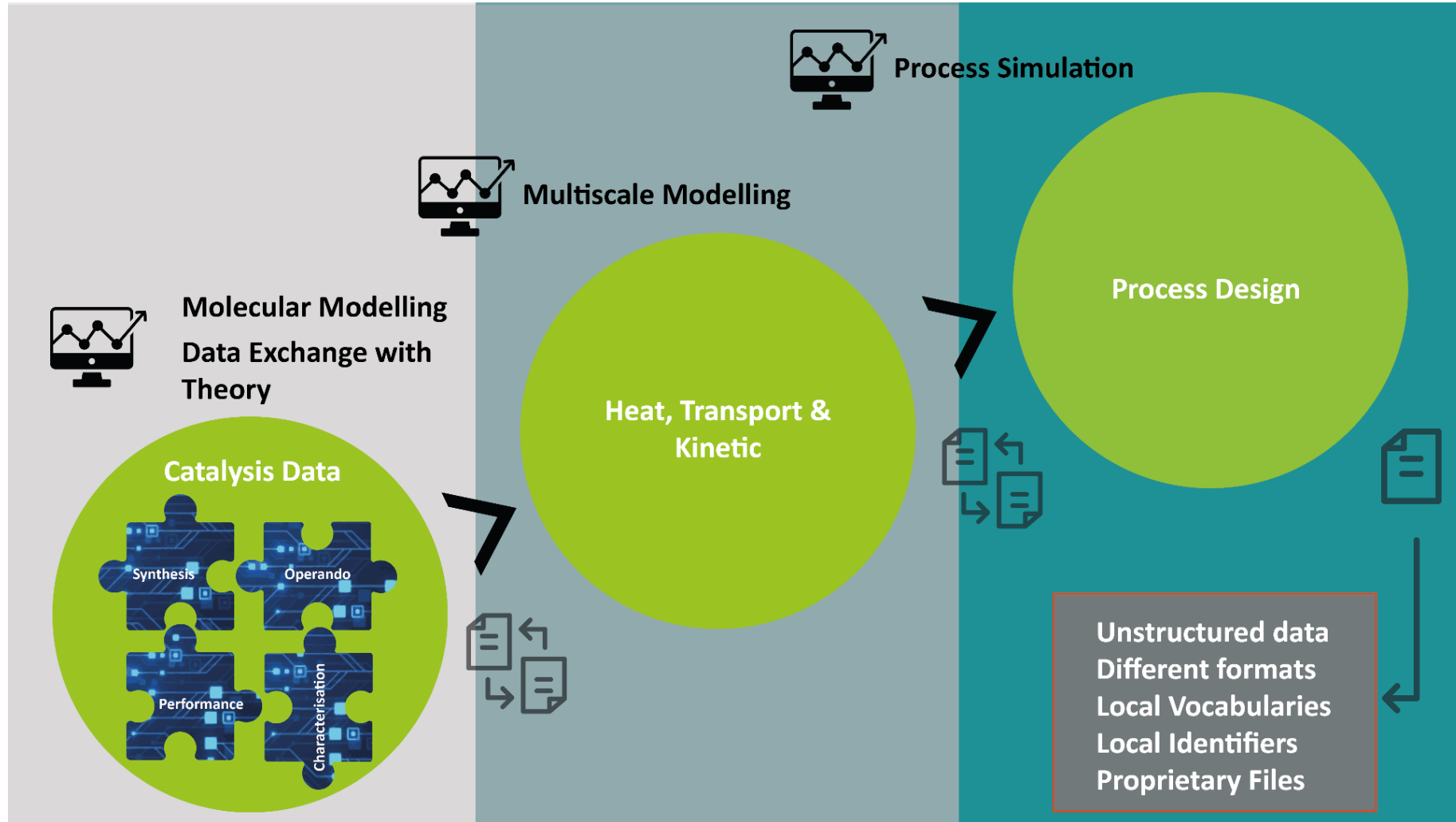


National Research Data Infrastructure
for Catalysis-Related Sciences (NFDI4Cat)

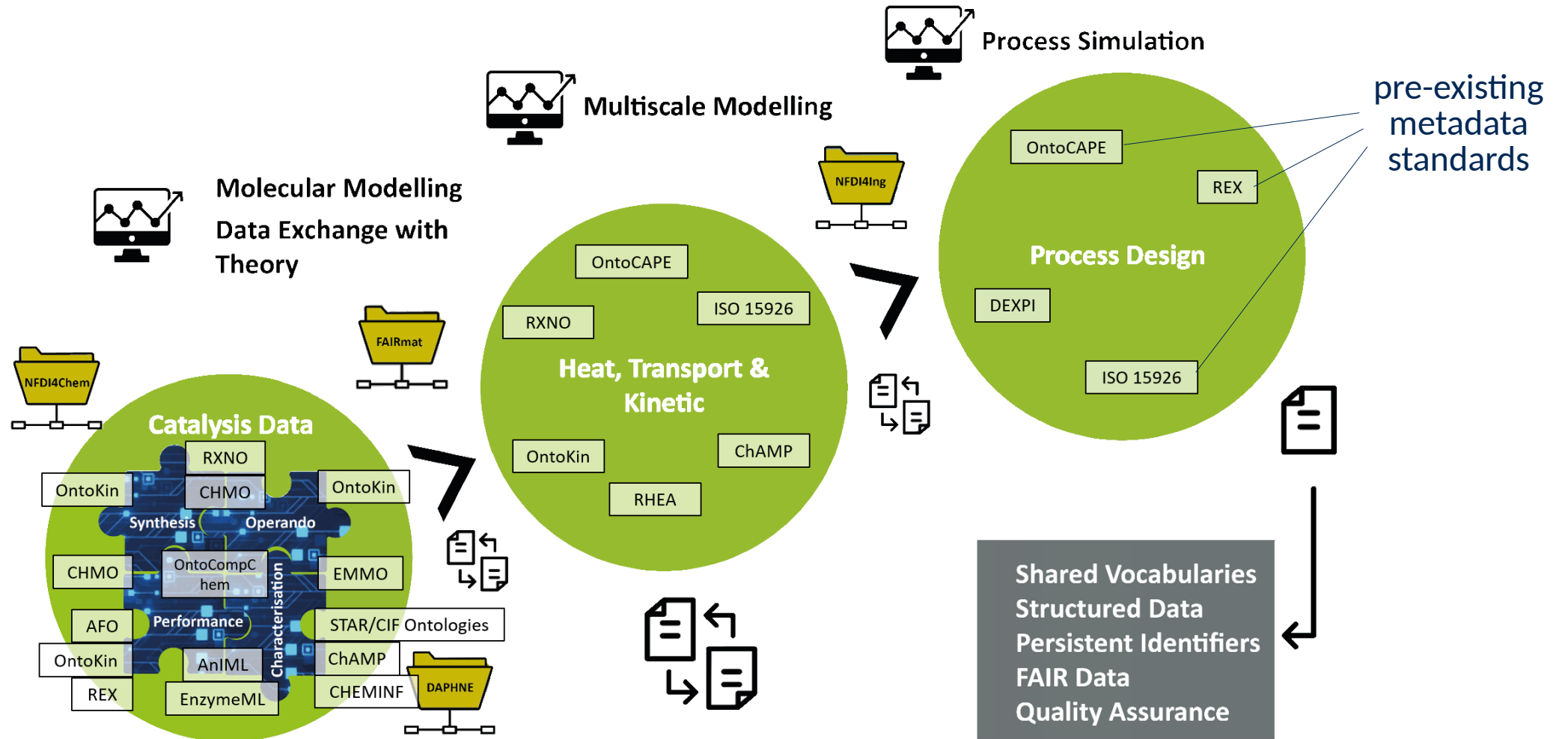
International Supercomputing Conference 2021

H L R I S

Value added chain in catalysis R&D

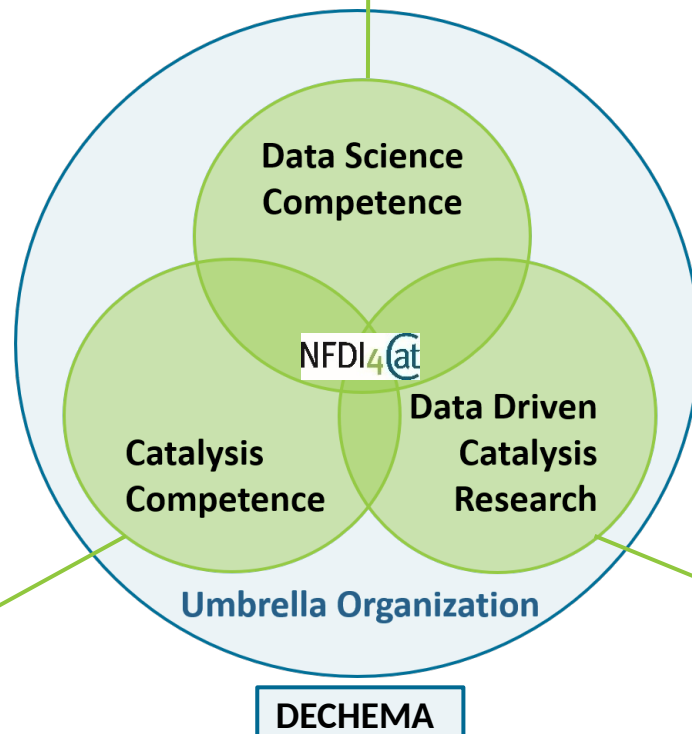


Data value chain in digital catalysis



NFDI4Cat Consortium

- High Performance Computing Center Stuttgart (HLRS)
- Berlin Institute for the Foundations of Learning and Data (BIFOLD)
 - Fraunhofer FOKUS Berlin
 - MPI Magdeburg



- Max-Planck Institutes
- Helmholtz Institutes
 - Leibniz Institutes
 - Many Universities

- Homogeneous Catalysis
- Heterogeneous Catalysis
- Biocatalysis
- Photocatalysis
- Electrocatalysis

Key Figures



16 dedicated partners

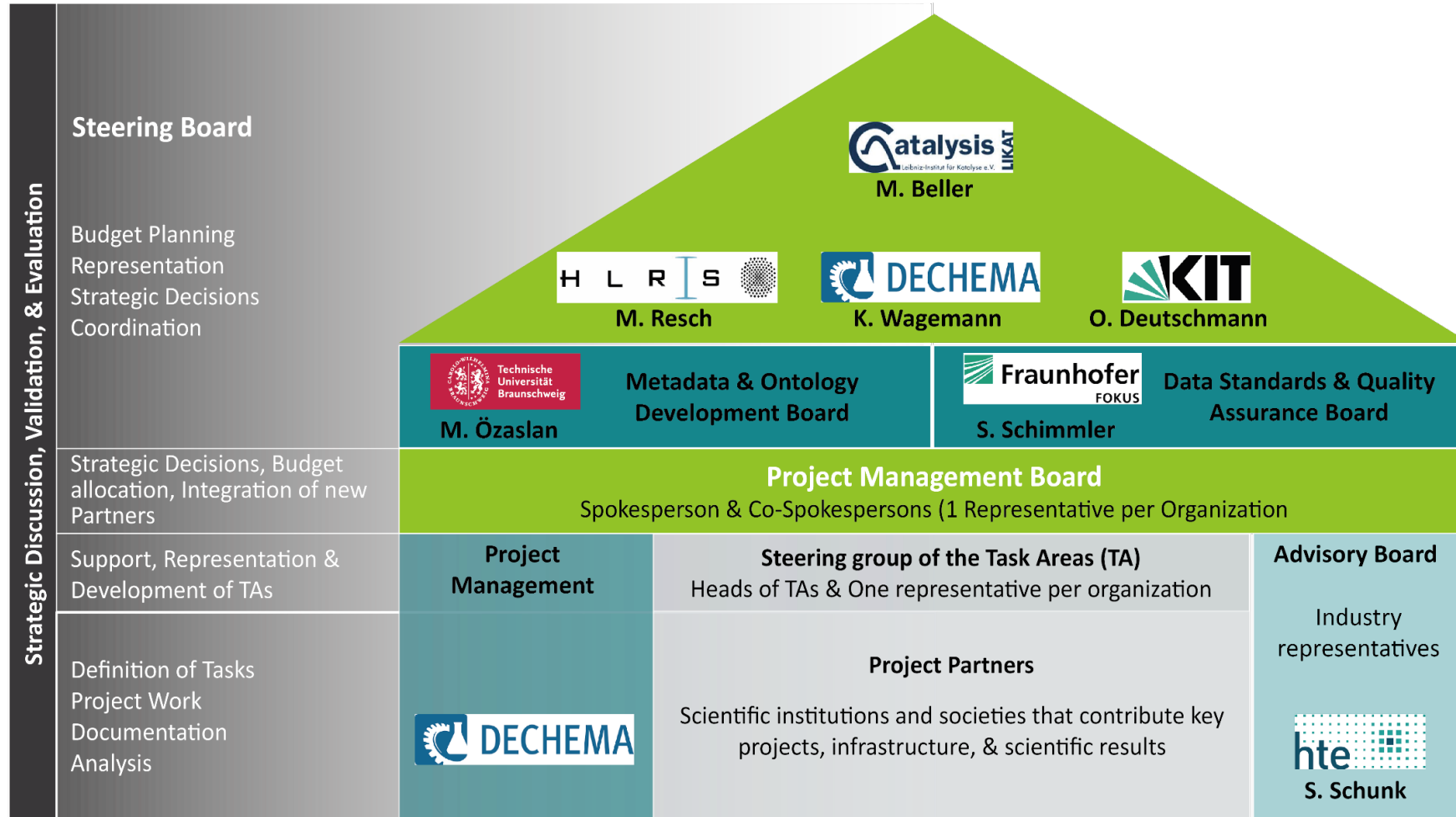


Part of a larger network within the German National Research Data Infrastructure (NFDI)



German Research Foundation (DFG) project funded from federal and state sources

NFDI4Cat Consortium



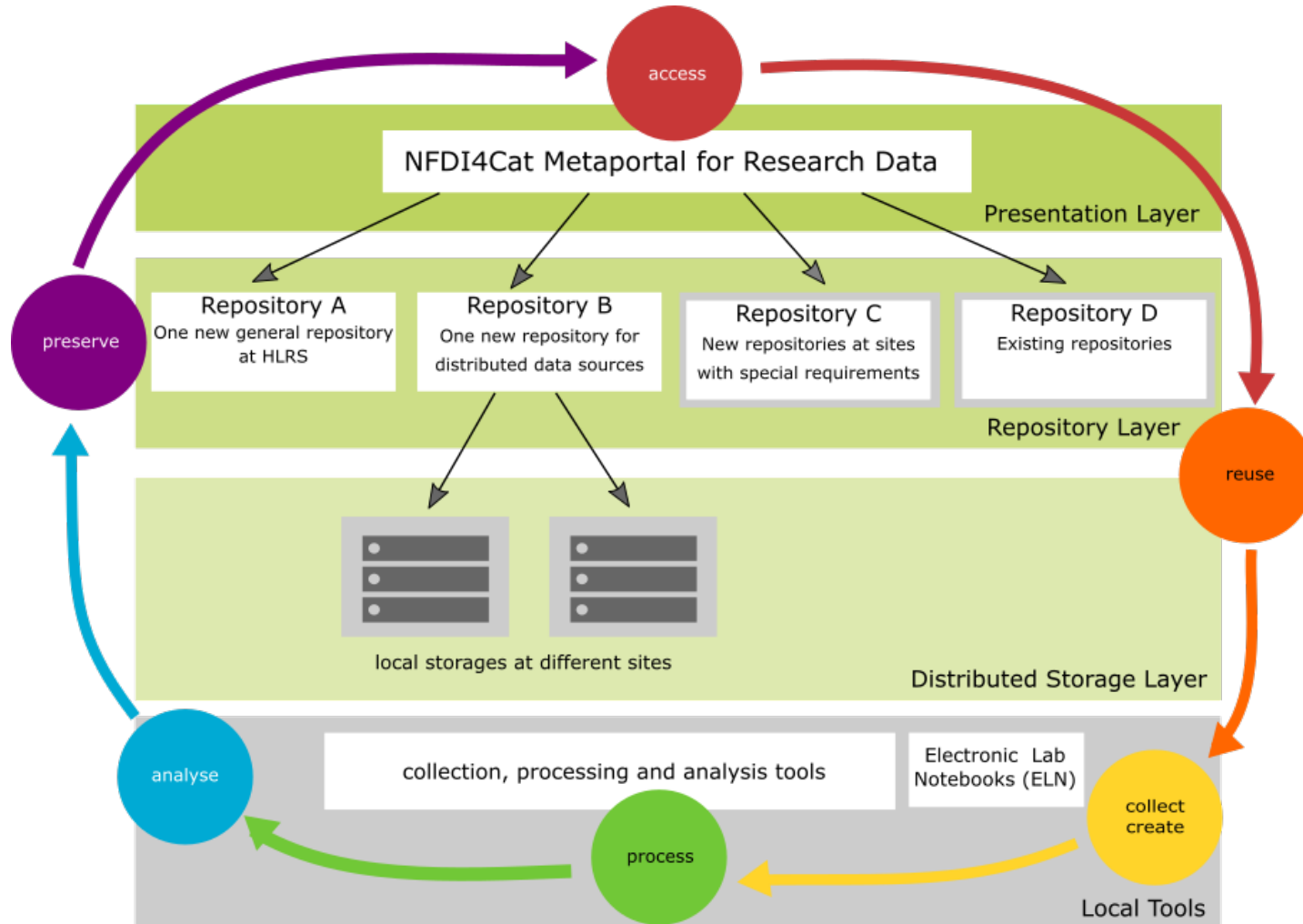
Role of HLRS in NFDI4Cat

Lead for *linked extensible infrastructure and access management (TA4)*, jointly with Fraunhofer FOKUS

Involvement in *ontology/metadata standard development (TA1)*, *data standards and data collection (TA2)*

Participation in the *steering board and the technical tools task force*

Linked extensible infrastructure



Repositories within NFDI4Cat

Overarching data infrastructure, integrating all information accessible to the outside and providing a single point of entry;

Generic local repositories, to be designed as a single solution applicable to all institutions;

Bespoke local repositories, addressing special requirements and reusing previous work.



Would you like to exchange ideas or become a part of the community?

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