

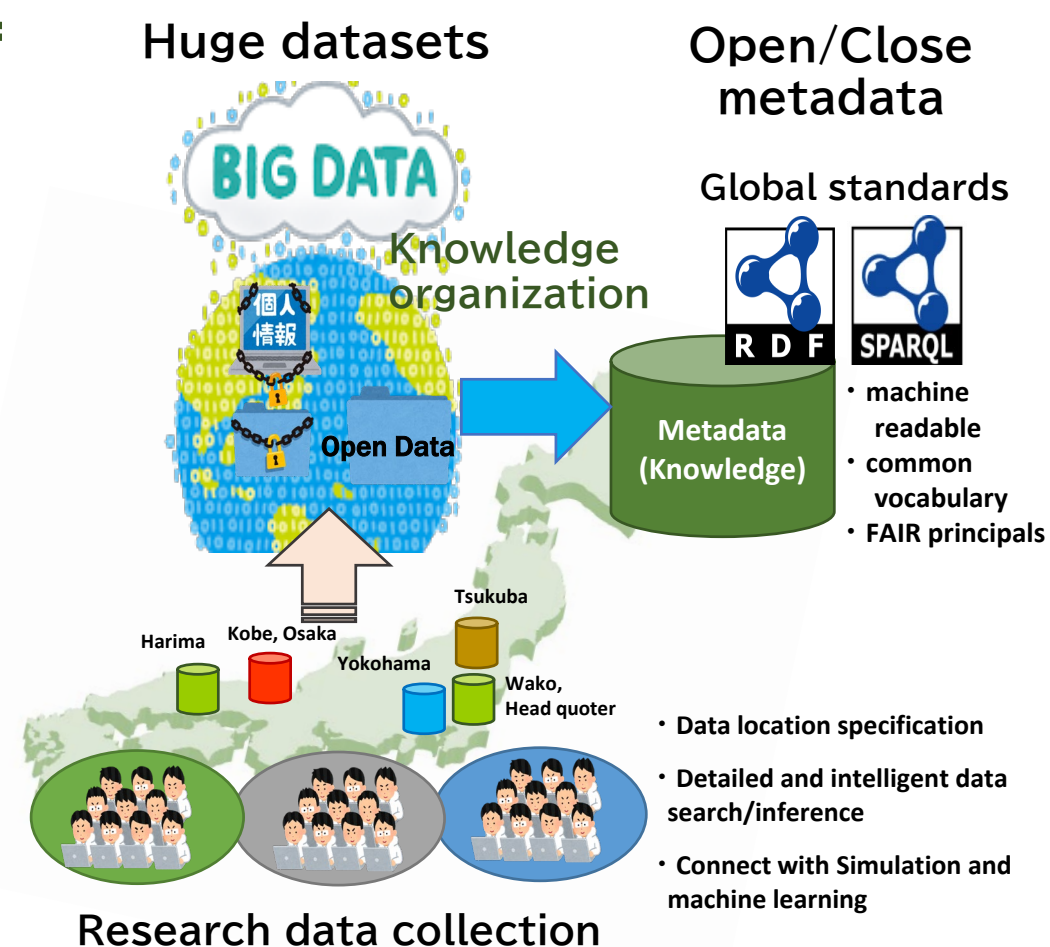
Knowledge Organization and Open Science

Collect, organize, integrate and promote the use of various RIKEN's research data as an Open Science

RIKEN is the largest Japanese comprehensive natural science institute including various research centers and many small laboratories having about 3,000 researchers.

- Contribution to maximizing research results through research data knowledge organization based on ontology and metadata research
- Realising description, collection and publication regardless of the research fields. Creating cross-field integration formation knowledge
- Practicing metadata-driven research using the integrated knowledge. Leading open science and contribute to create innovation

cf. RIKEN MetaDatabase: An open-life-science platform that provides multi-field integrated knowledge as a set of metadata (<https://metadb.riken.jp>)



Achieve unified data management regardless of research field by developing a metadata-driven repository

RIKEN Research Data Management Service

We develop and operate a data management service that accumulates a variety and large amount of research data produced by RIKEN and supports data processing and utilizing, based on an appropriate open/close strategy. such as:

- Management methods according to individual policies for each research institution and researcher
- Jointing methods with supercomputers, storages, clouds, etc.
- Efficient and extensible methods to use storage, database, and cloud technique
- Optimization of operation and user support, and, for that purpose, development of usability improving tools

Our service plans to accept users outside of RIKEN via GakuNin(academic authentication federation) and also accept other organization that has jointed research with RIKEN.

*) **DMS**: Data Management System Unit
DKO: Data Knowledge Organization Unit

