



OA Repositories and Research Data Hub in Korea

Jiyoung Park, Sa-kwang Song

National S&T Division
Korea Institute of Science and Technology Information



- 1. OA Repositories in Korea**
- 2. National OA Repository Model**
- 3. National Research Data Hub**

1. OA Repositories in Korea(1)

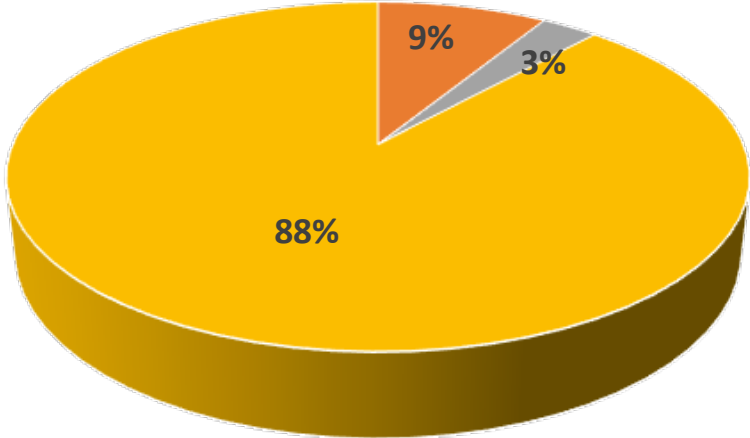
- National open access projects performed by KISTI.
 - Software : DSpace
 - Number of records : 593,588
 - Type of records : Journal paper, Thesis, Technical report, Book, Patent
 - Number of IRs : 34



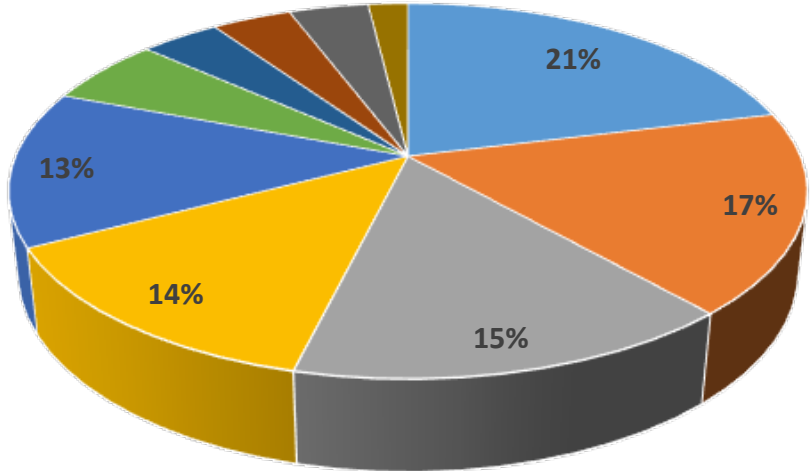
1. OA Repositories in Korea(2)

Repository Type



- Aggregating
- Disciplinary
- Governmental
- Institutional

Subjects

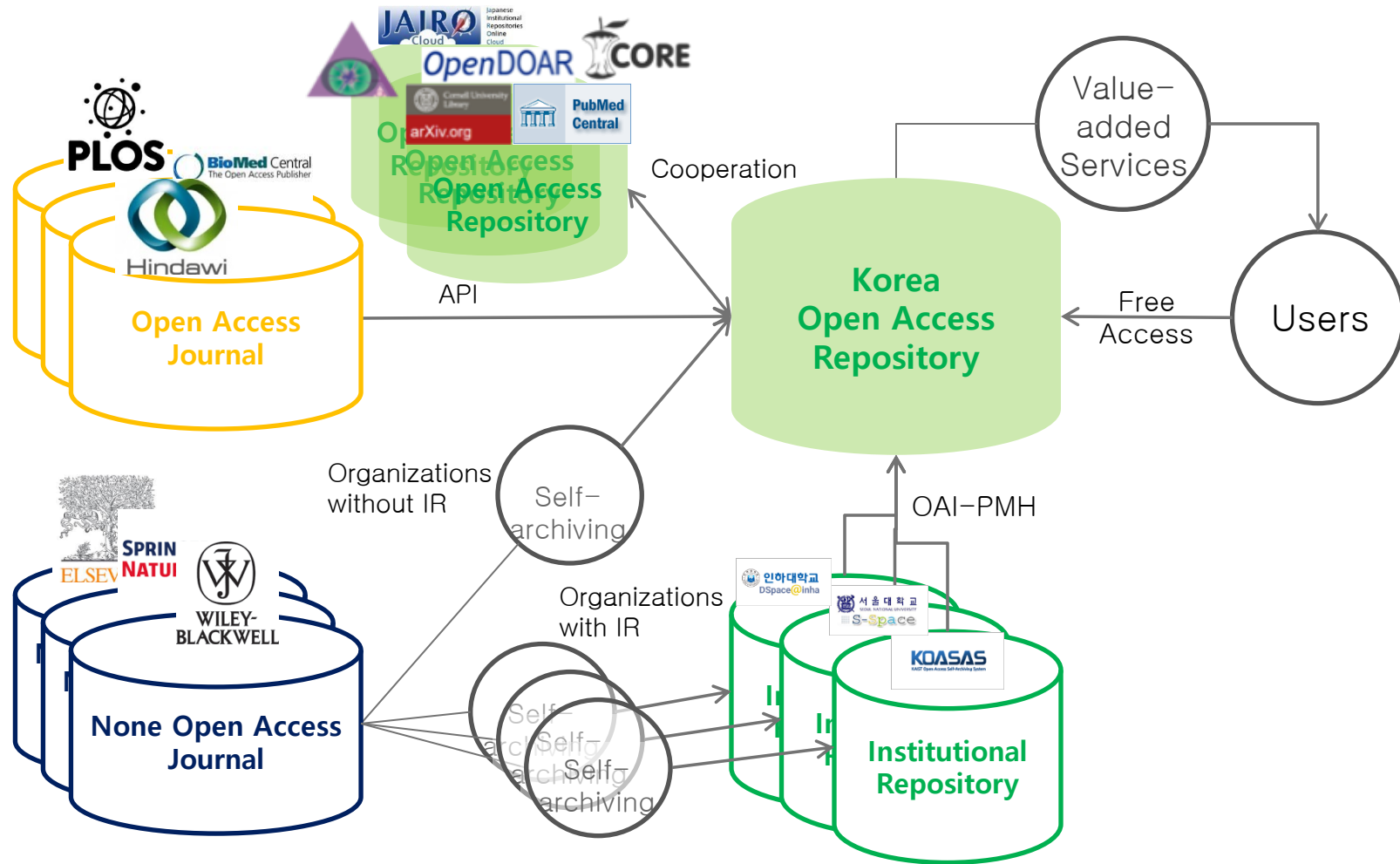


- Business and Economics
- Health and Medicine
- Technology General
- Education
- Agriculture, Food and Veterinary
- Arts and Humanities General
- Multidisciplinary
- Science General
- Law and Politics
- Social Sciences General

KISTI as an Outcome Management Institute

Paper	Patent	Original Report	Summary Information on Technology	Software
Korea Institute of Science and Technology Information	Korea Intellectual Property Service Center	Korea Institute of Science and Technology Information	Korea Institute for the Advancement of Technology	Korea Copyright Commission, National IT Industry Promotion Agency
Research Equipment/Facilities	Compound	Life Resources		New Product Categories
		Information on Biology	Biological Resources	Information
				The Real Thing
Korea Basic Science Institute	Korea Research Institute of Chemical Technology	Korea Research Institute of Bioscience & Biotechnology		Korea Agency of Education, Promotion and Information Service in Food, Agriculture, Forestry and Fisheries
				The RDA-Genebank Information Center

2. National Repository Model



3. National Research Data Hub

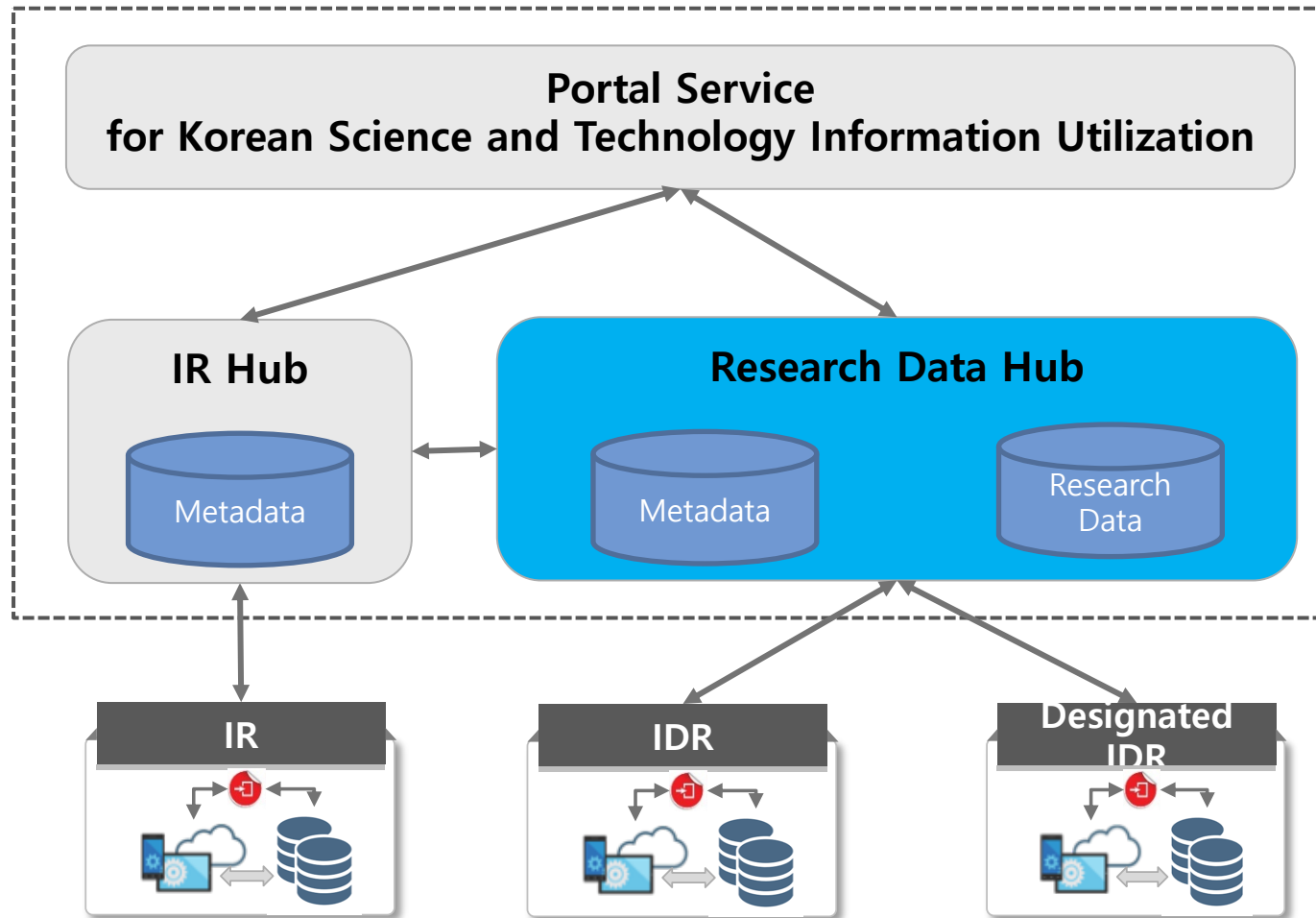
- **Background**

- **Data and metadata of research documents** has been gathered and provided to users successfully.
- Rapid increasing interests on research data makes **Korean government start to concentrate and prepare** new policy on sharing and utilizing research data.

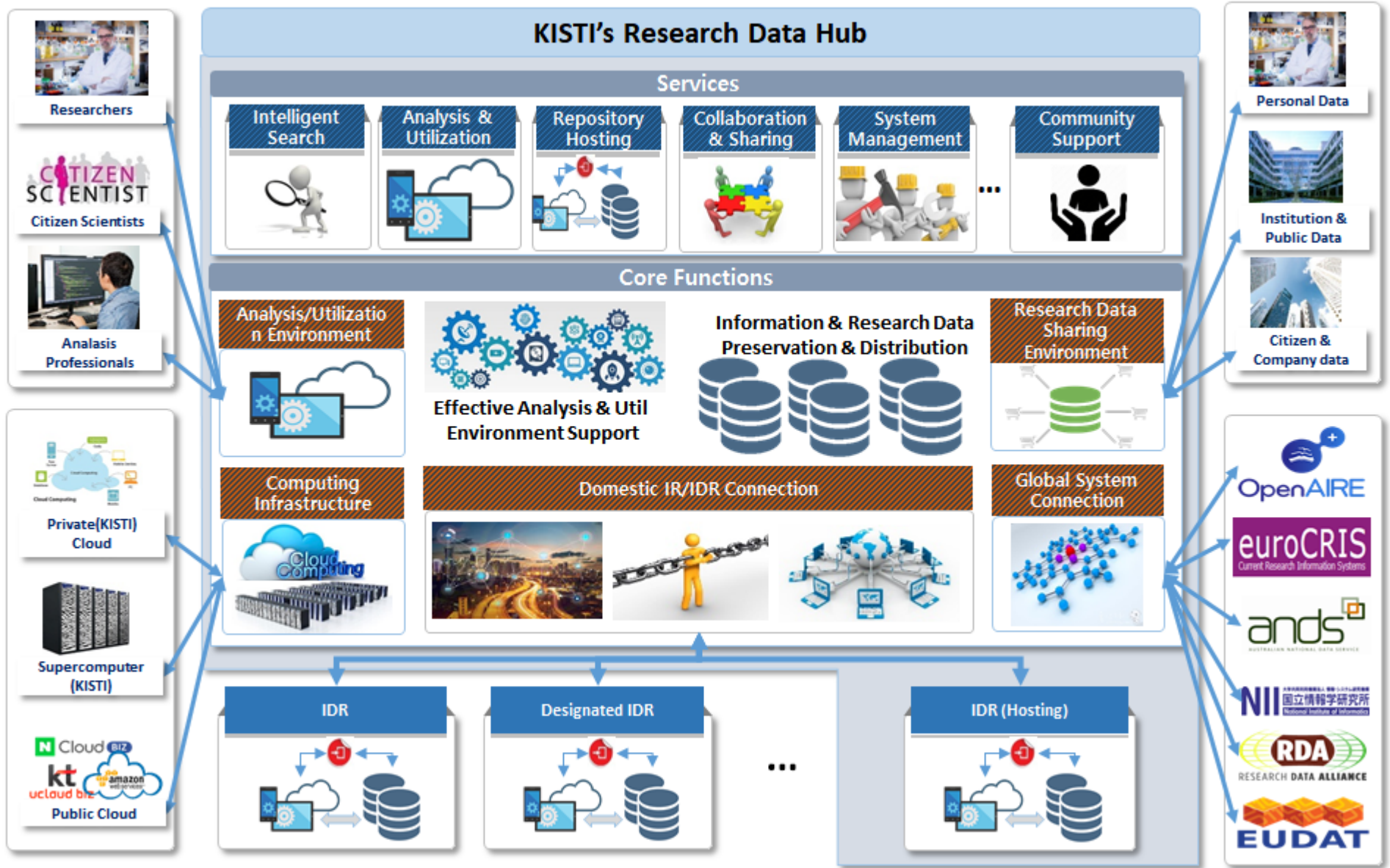
- **Recent Activities**

- Korean government has been developing **new policy and system for sharing and utilizing research data** since 2017.
- **KISTI(Korean Institute of Science and Technology Information)** has been **supporting government** in both policy making and system development.
- Four government funded research institutes are starting to construct **domain specific IDRs**(biology, AI, neo-material, etc.).

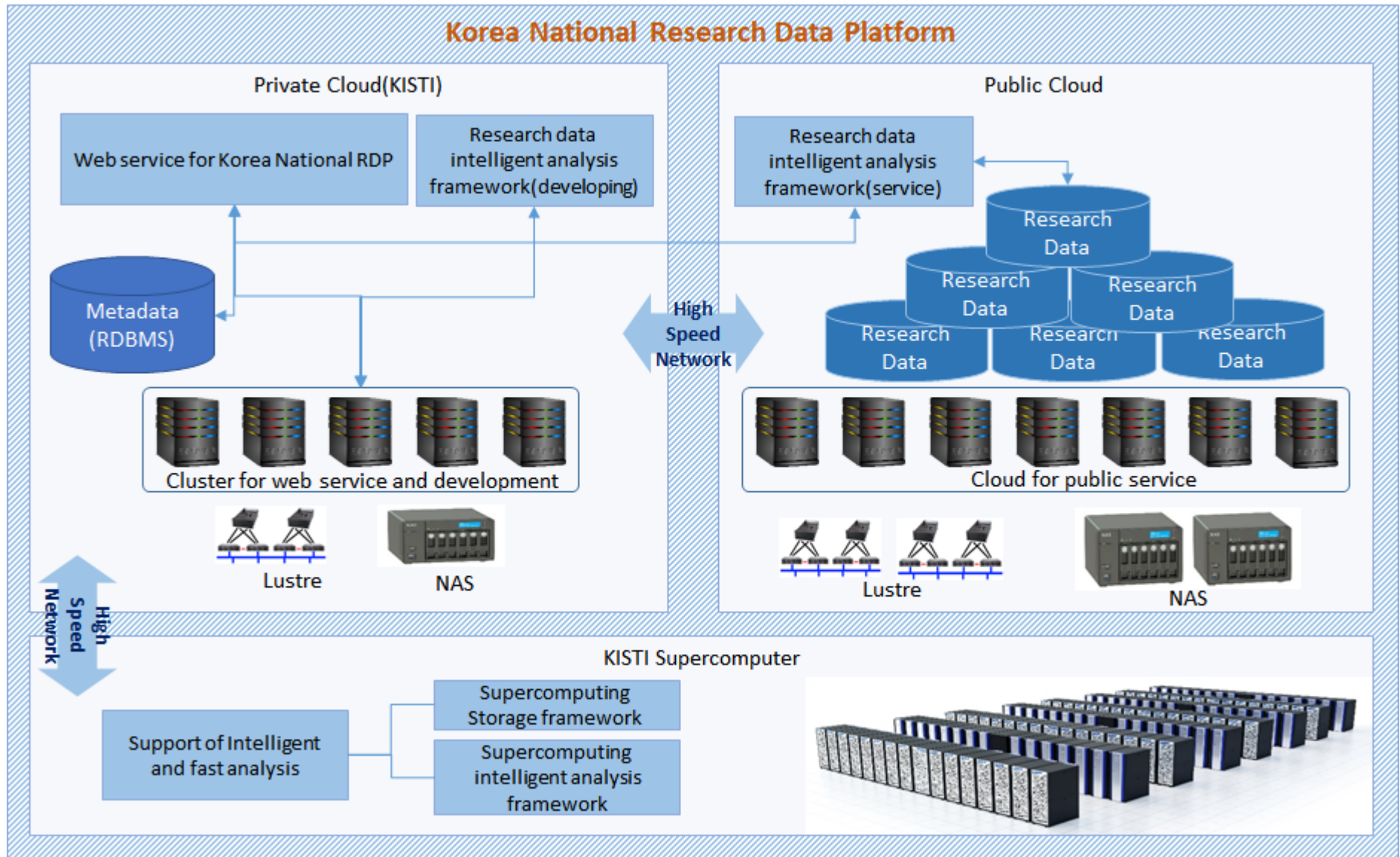
3.1 Portal for IR & IDR Hub



3.2 Research Data Hub



3.3 Environment of Research Data Platform



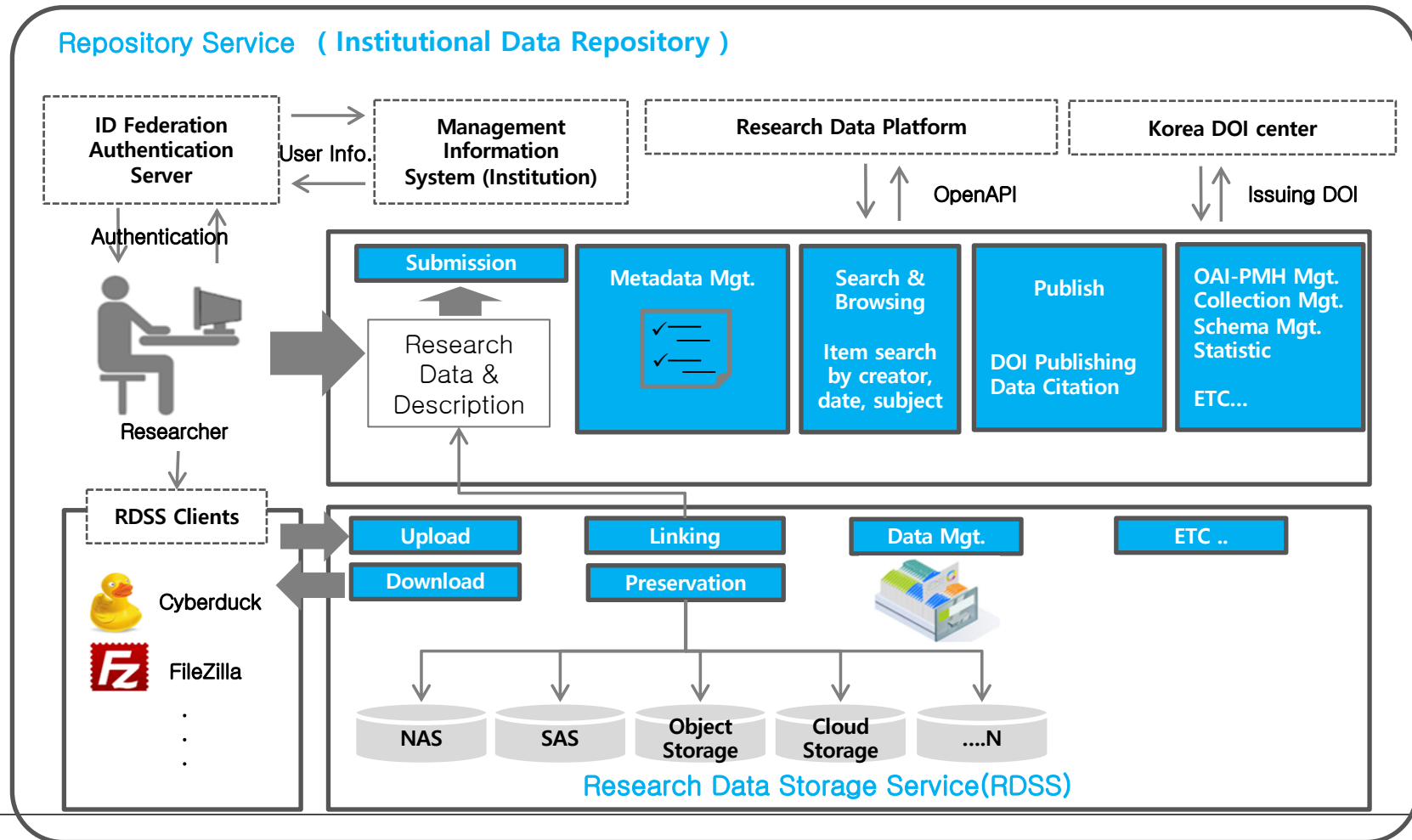
Thank
you 

Jiyoung Park, julia.park@kisti.re.kr,
Sa-kwang Song, esmallj@kisti.re.kr

Concept Sketch for Korean Institutional Data Repository(IDR)

Characteristics of Korean IDR

- Functional abstraction: reduce dependencies to a specific open source
- Federated ID Authentication: Connectivity to authenticate by their own Institution System (e.g. MIS, ..)
- Delivery: Install on their own local site/Hosting on the Research Data Open Platform as a Cloud Service
- Metadata search service to the Research Data Open Platform



3.4 Interconnection between RDP & IDR

