

CiNii Research: A prototype of Japanese Research Data Discovery

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SINET5 Plan for NII Services

Resource

- ◆ Promotion of academic information circulation and open access
- ◆ Collaborative promotion of institutional repository expansion



Federation

- ◆ Collaborative enhancement of authentication between universities



Cloud

- ◆ Dramatic cost reduction and enhancement of research and education environment by tailored cloud services



Security

- ◆ Network flow analysis and dynamic control
- ◆ Raise of security level for SINET users



VPN

Network

- ◆ Nationwide 100-Gbps backbone network and scalable network expansion
- ◆ High-speed direct international lines to USA, Europe, and Asia
- ◆ Introduction of new technologies such as SDN in response to user needs



Scholarly Information Services by NII

CiNii Articles

Metadata and links of
Japanese journal articles
20 M records

CiNii Books

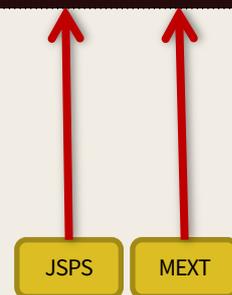
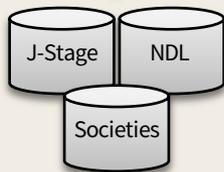
Catalog of materials held by universities
Bibliographic info 12 M records
Holding information 140 M records

IRDBコンテンツ分析
NII Institutional Repositories DataBase Contents Analysis

Metadata and links of Japanese
institutional repositories
2.8 M records

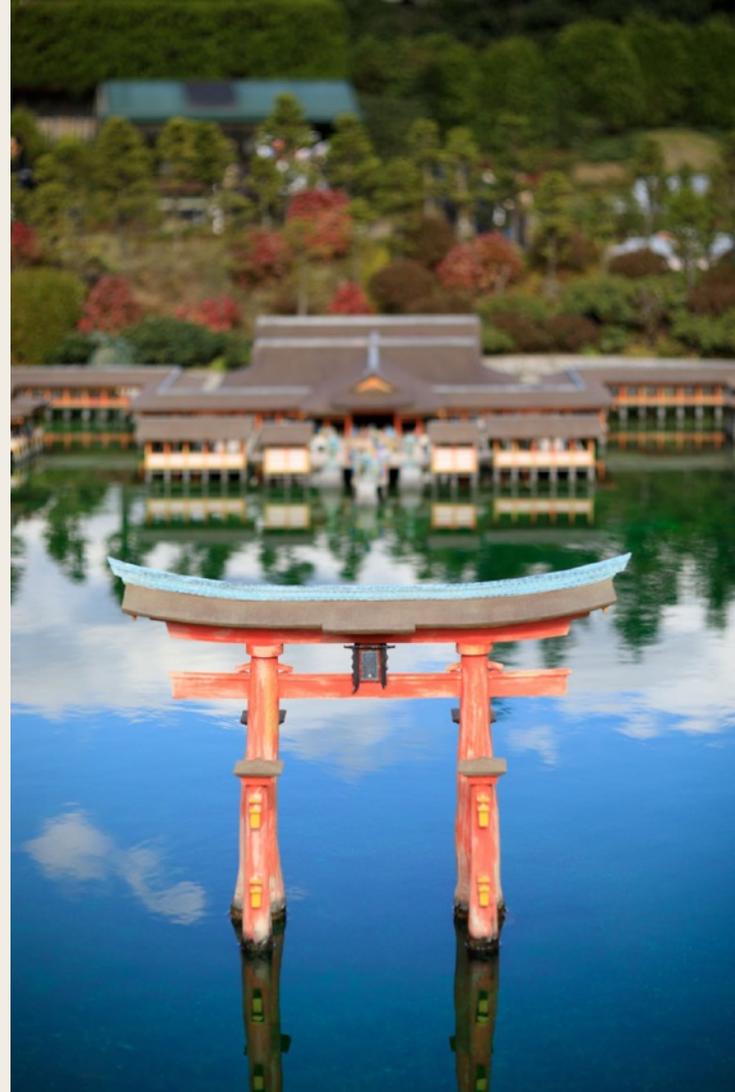
KAKEN
Database of Grants-in-Aid for Scientific Research

Project reports of MEXT
supported scientific
researches
850 K record



Issues

- Demand for Research Data Support
- No integrated search for NII services





CiNii Research

Research Data



Scholarly Knowledge Graph



CiNii Research

All

Articles

Books

Dissertations

Projects

Data

Persons

▼ Advanced

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Search Results : 34

Fumihiko Kato に関連する研究データ

 [dbpedia-japanese-usecases 1.0.1](#)

追加

 [dbpedia-japanese-usecases: 0.1.0](#)

追加

 [Dbpedia-Japanese-Usecases 1.0.1](#)

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 [dbpedia-japanese-usecases: 0.2.0](#)

追加

 [dbpedia-japanese-usecases: Release of 0.1.1](#)

追加

[See all >](#)

Fumihiko Kato に関連するArticles

 [The possibility of personal identification based on center-of-pressure trajectories](#)

KATO Masaaki, YANAI Hiro-Fumi, 2004-03-18

Analysis of center-of-pressure (COP) trajectories have been used for medicine or gymnastics point of view for a long time, but not used for personal identification. In this paper, we investigated perso ...





Linked Data and Web Architecture : In the Case of DBpedia Japanese

Linked DataとWebアーキテクチャ : DBpedia Japaneseを例に(<特集>Linked Dataとセマンティック技術)

[View this Article on CiNii Articles >](#)



加藤 文彦



Fumihiko Kato



情報・システム研究機構



Research Organization of
Information and Systems



Research data included in this paper



[Dbpedia Japanese](#)

Kato, Fumihiko

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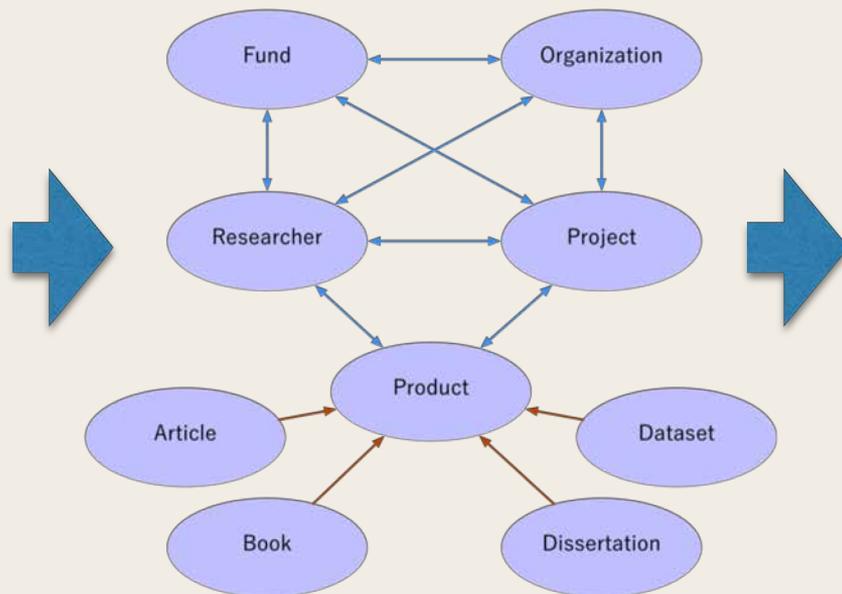
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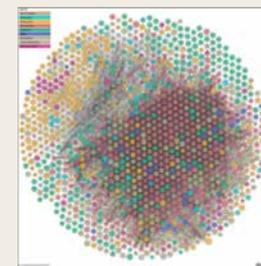
Aggregation



Integration



Output / UI



(P)IDs and relationships

Articles, Books, ...

DOI, Handle, URI,
NAID, NCID, ...



Project
KAKEN Project



Researcher

NRID, ORCID...



Fund

Crossref Funder,
GRID, ISNI...



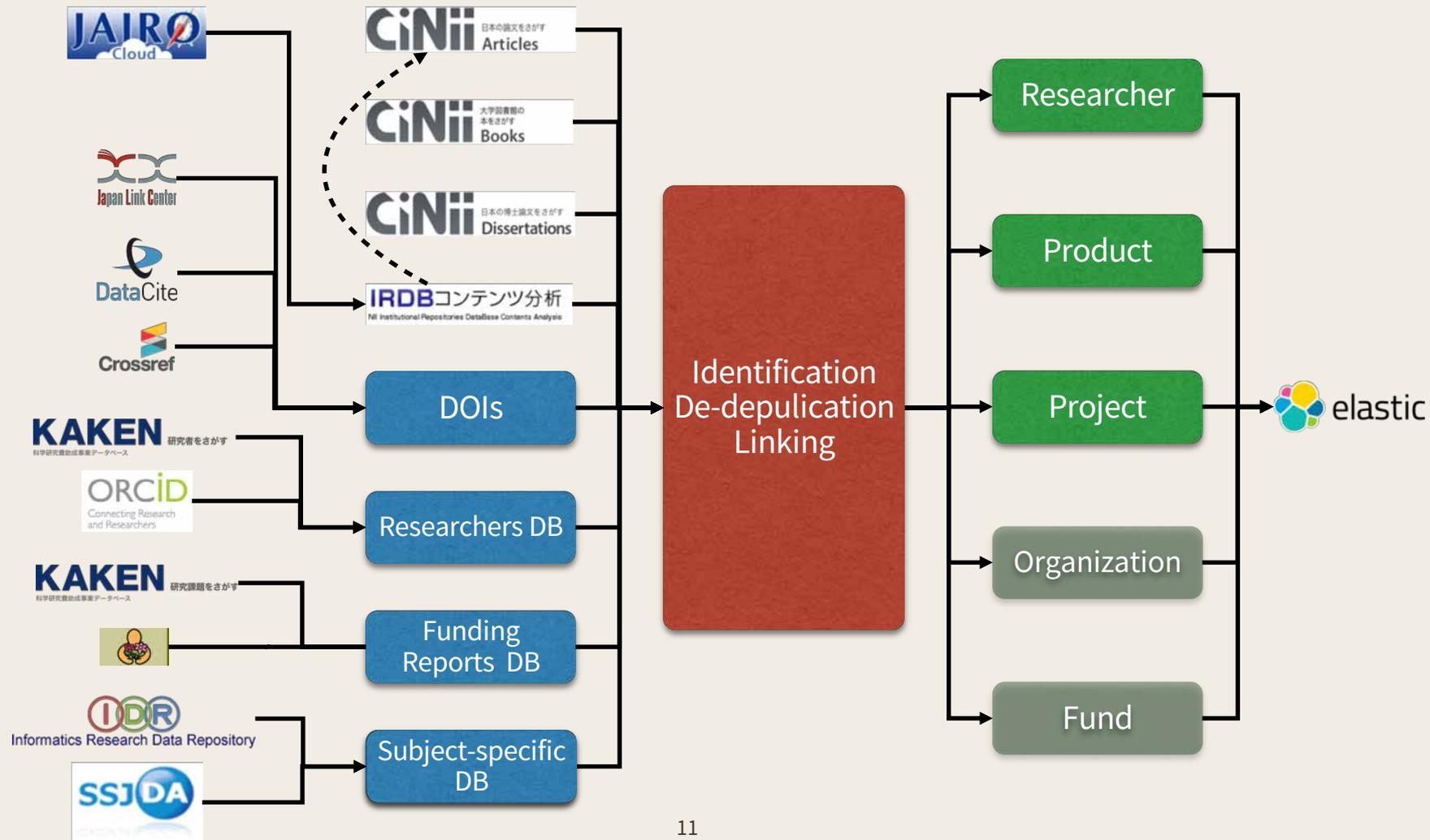
Research Data

DOI, ARK, URI, ...



Organization

Institutional ID,
GRID, ISNI...



How to acquire links

- Extracting links
 - IRDB
 - KAKEN
 - PIDs
 - IDR, SSJDA, ...
- Creating links
 - manually
 - by simple matching



Ongoing Work

- International Collaborations
 - IRDB
 - SCHOLIX
 - LOD
- Authentications
 - ORCID
 - GakuNin
- Link creations
 - ORCID claiming
 - User input
 - Linking tools
- Altmetrics
 - Ceek.jp

International Collaboration

- IRDB => OpenAIRE
- SCHOLIX
- LOD
 - OpenAIRE LOD?
 - Schema.org Dataset?

Rough Schedule

- FY2018: Development
- FY2019: Testbed version
- FY2020: Official version



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