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

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

J-Stage
- NDL
- Societies

Universities and Research Institutions
- JAIRO Cloud
  - 180
- Library
  - 500
- 1,330
Issues

• Demand for Research Data Support

• No integrated search for NII services
Research Data

Scholarly Knowledge Graph
Fumihiro Kato に関連する研究データ

- dbpedia-japanese-usecases 1.0.1
- dbpedia-japanese-usecases: 0.1.0
- Dbpedia-Japanese-Usecases 1.0.1
- dbpedia-japanese-usecases: 0.2.0
- dbpedia-japanese-usecases: Release of 0.1.1

Fumihiro 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
  Analyse of center-of-pressure (COP) trajectories have been used from 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

View this Article on CiNii Articles

Research data included in this paper

Dbpedia Japanese
Kato, Fumihiro
Aggregation

Integration

Output / UI
(P)IDs and relationships

Articles, Books, …
DOI, Handle, URI, NAID, NCID, …

Research Data
DOI, ARK, URI, …

Project
KAKEN Project

Researcher
NRID, ORCID…

Fund
Crossref Funder, GRID, ISNI…

Organization
Institutional ID, GRID, ISNI…
How to acquire links

• Extracting links
  • IRDB
  • KAKEN
  • PID
  • 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