


5th Open Discussion Forum of GADRI
2024/3/12

Draft structure for Collection of World Disaster Research Databases Global Disaster Researcher Directory

Hiroyuki Goto
DPRI, Kyoto University



1

Data



Designed by rawpixel.com / Freepik

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Database Project

World Disaster Research Databases

The database allows users to search for Websites, Researchers, and Documents related to disaster reduction research to take advantage of the wealth of data resources on disaster reduction research that exists around the world.

Passive DB

Case Study Database

The database for cases related to disaster reduction research. Data items to be stored in this database should be entered in a fixed format, such as implementation date/evaluation date/location, etc., and these items should be searchable.

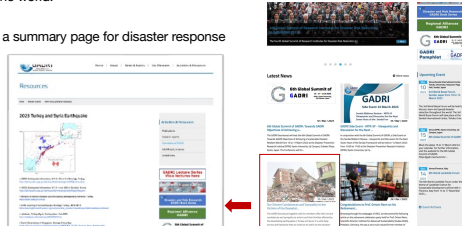
Active DB

5

World Disaster Research Databases

The database allows users to search for Websites, Researchers, and Documents related to disaster reduction research to take advantage of the wealth of data resources on disaster reduction research that exists around the world.

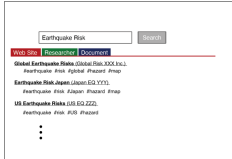
Automatically build a summary page for disaster response




6

World Disaster Research Databases

- ✓ Free keyword search
- ✓ Keywords are automatically generated from the URL information
- Only the URL is required!**




URL data



Web Scraping

Morphological Analysis

Keywords



7

World Disaster Research Databases

- ✓ Institution Connection



URL data



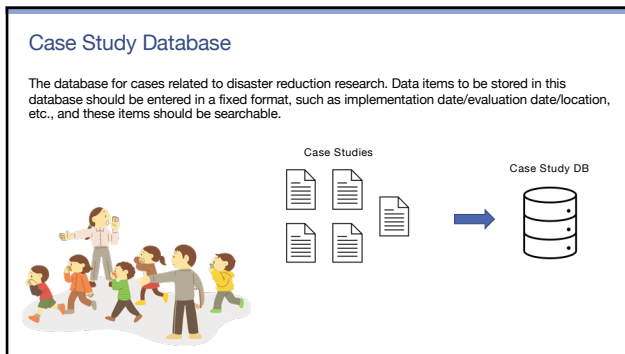
Web Scraping

Morphological Analysis

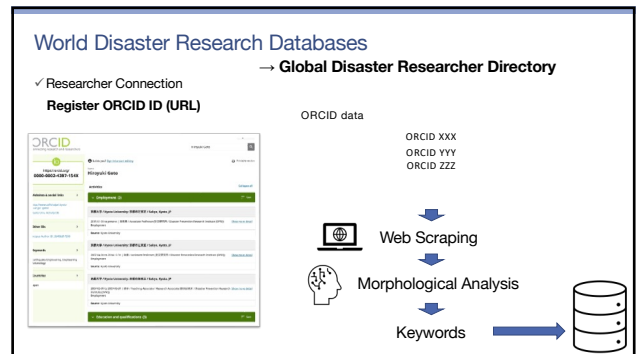
Keywords



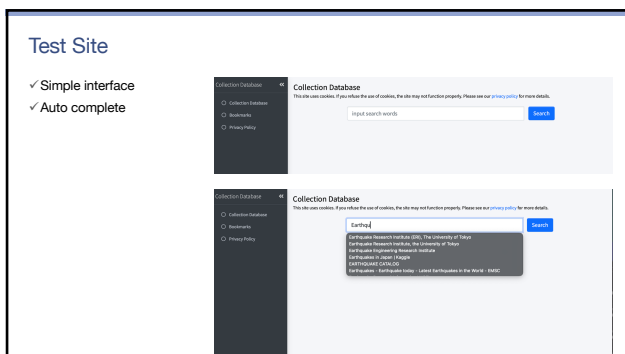
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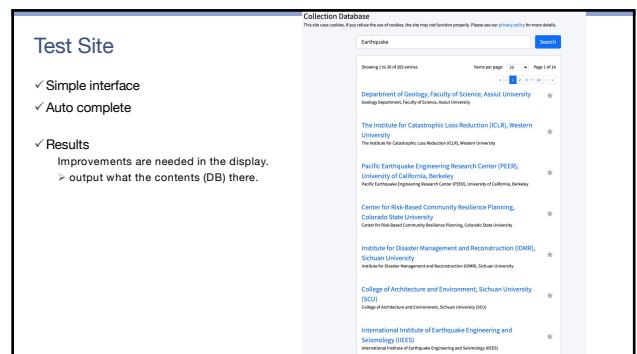
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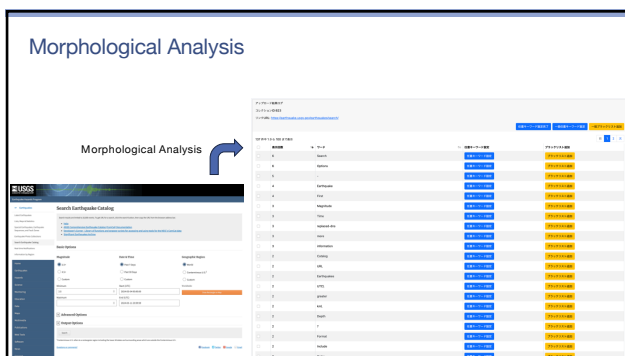
10



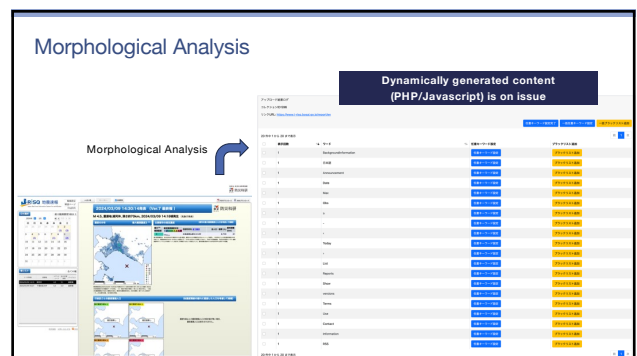
11



12




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14

[illegible]

Morphological Analysis



Connecting research and researchers

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Public API

ORCID offers a public API that allows organizations that are not ORCID members to connect their systems and applications to the ORCID registry with machine-to-machine communications. The API is a RESTful API and supports both XML and JSON.

The public API can be used for the following functions:

- Sign into your system with ORCID
- Get user's verified ORCID ID
- Retrieve public data from a user's ORCID record
- Search public ORCID register data

+ How do I register as Public API client?
+ Need more help?

SSA

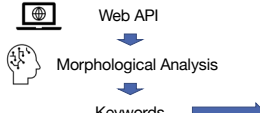
DS

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graph TD
    A[Web API] --> B[Morphological Analysis]
    B --> C[Keywords]
            
```

Schedule

FY2022
System design

FY2023
Implementation of Disaster Collection Database

Current 

FY2024 -
Implementation to Networking
Implementation of Case Study Database

[illegible]

DB system

The backbone of the databases is common.

The diagram illustrates the common backbone of databases. It features a detailed view of a database system architecture on the left, showing components like the database engine, storage, and user interface. This is connected to a hierarchical tree structure on the right, which represents the overall database system architecture, including the database engine, storage, and user interface. The tree structure shows a central node branching into several sub-nodes, each representing a different component of the database system.