Trial for Collecting, Sharing and Preserving Digital Research Assets in Asia

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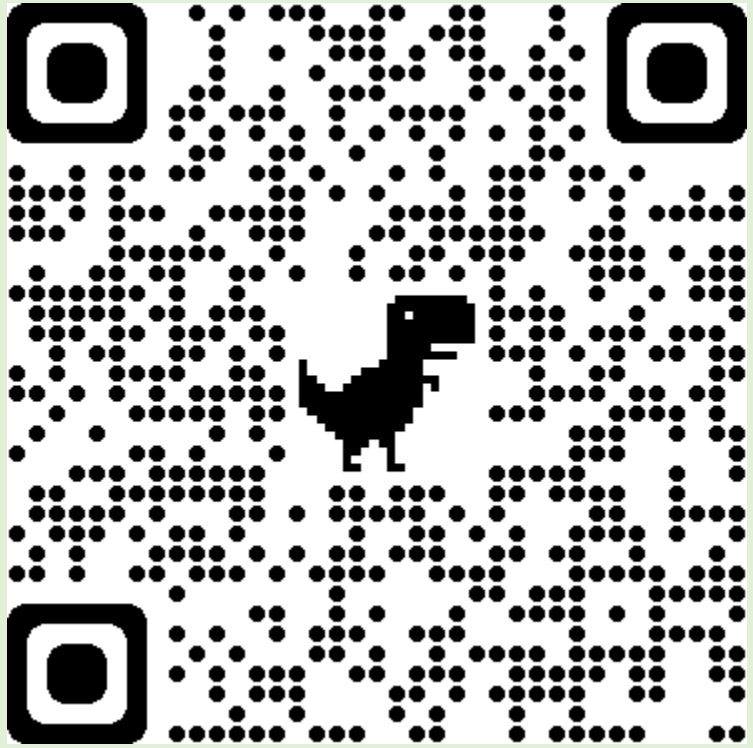
Agenda

- Introduction, Background, and Purpose
- RsDA inventory and its metadata model
- Migration to Wikidata and RsDA-Wikidata data model
- Join us!
- Toward data preservation

http://rsda.mydatabase.jp/



Searching for “rsda asia” will bring you here

RsDA is the community

"This acronym is close to RDA (Research Data Alliance), which is a global alliance of institutions and organizations for building the social and technical infrastructure to enable open sharing and re-use of data. The s in RsDA stands for small, sustainable and scholarly; the A stands for not only Alliance but also Asia."

Organisation	Country
Center for Southeast Asian Studies, Kyoto University	Japan
	Taiwan
	Singapore
	Thailand
	Thailand
	Thailand
KKU มหาวิทยาลัยขอนแก่น KHON KAEN UNIVERSITY	Thailand
The University Library, University of the Philippines Diliman	Philippines
Universiti Teknologi MARA, Cawangan Kelantan	Malaysia
National Museum of Japanese History, Inter-University Research Institute Corporation, National Institutes for the Humanities	Japan
國立臺灣師範大學 National Taiwan Normal University	Taiwan
សាកលវិទ្យាល័យភូមិន្ទភ្នំពេញ ROYAL UNIVERSITY OF PHNOM PENH	Cambodia
කොළඹ විශ්වවිද්‍යාලය, கொழும்பு பல்கலைக்கழகம், UNIVERSITY OF COLOMBO	Sri Lanka
UNIVERSITAS LANGKAT KUNING, www.unilak.ac.id	Indonesia
UNIVERSITAS ISLAM RIAU, Islamic University of Riau	Indonesia
UNIVERSITAS INDONESIA	Indonesia
筑波大学 University of Tsukuba	Japan
Inter-University Research Institute Corporation, National Institute for the Humanities, International Research Center for Japanese Studies, NICHIBUNKEN	Japan
THE UNIVERSITY OF TOKYO	Japan

RsDA manages its inventory of research resources to share them

Thai Movie Database

Cultural Internet

Southeast Asian Art at LACMA

Chinese in California Virtual Collection: Selections from the Ban

The Himalayan Database

The Economist Historical Archive

Sokiku Nakatani Japanese Teaware Collection

California State Government & the Incarceration of Japanese Ar

Japanese American Archival Collection

Tainan Research Database

約 5 件（0.44 秒）

Northeast Asian **History** Network - RsDA Inventory
rsda.mydatabase.jp › inventory › descriptions
2021/09/06 ... Northeast Asian **History** Network. 東北亜歴史ネット / 동북아역사넷. http://contents.nahf.or.kr/. A database of full-text collections of books, ...

Mokpo Modern **History** Archive - RsDA Inventory
rsda.mydatabase.jp › inventory › descriptions
2021/09/09 ... Mokpo Modern **History** Archive. 목포근대문화자산아카이브. http://dh.aks.ac.kr/~mokpo/wiki/. Archive and online exhibition of cultural asset of ...

The Veritable Records of Joseon Dynasty - RsDA Inventory
rsda.mydatabase.jp › inventory › descriptions
2021/09/21 ... The Veritable Records of Joseon Dynasty. 조선왕조실록. http://sillok.**history**.go.kr/. Digitized, online database of The Veritable Records of ...

Japanese American Archival Collection - RsDA Inventory
rsda.mydatabase.jp › inventory › descriptions

What is the difference from, say, re3data?

- Research data vs. Research data repositories

  We focus on small data. So most of the entry is about research data, sometimes held by an individual researchers rather than an institution.

- Networking oriented

  “RsDA is a network for collaboration” as the first line of RsDA website says.
  I think this comparison is similar to the difference between PNC conference and DH conference. i.e. differences such as Small/Large, Offline/Online, Regional/Global result in the style of sharing knowledge.

re3data.org
REGISTRY OF RESEARCH DATA REPOSITORIES

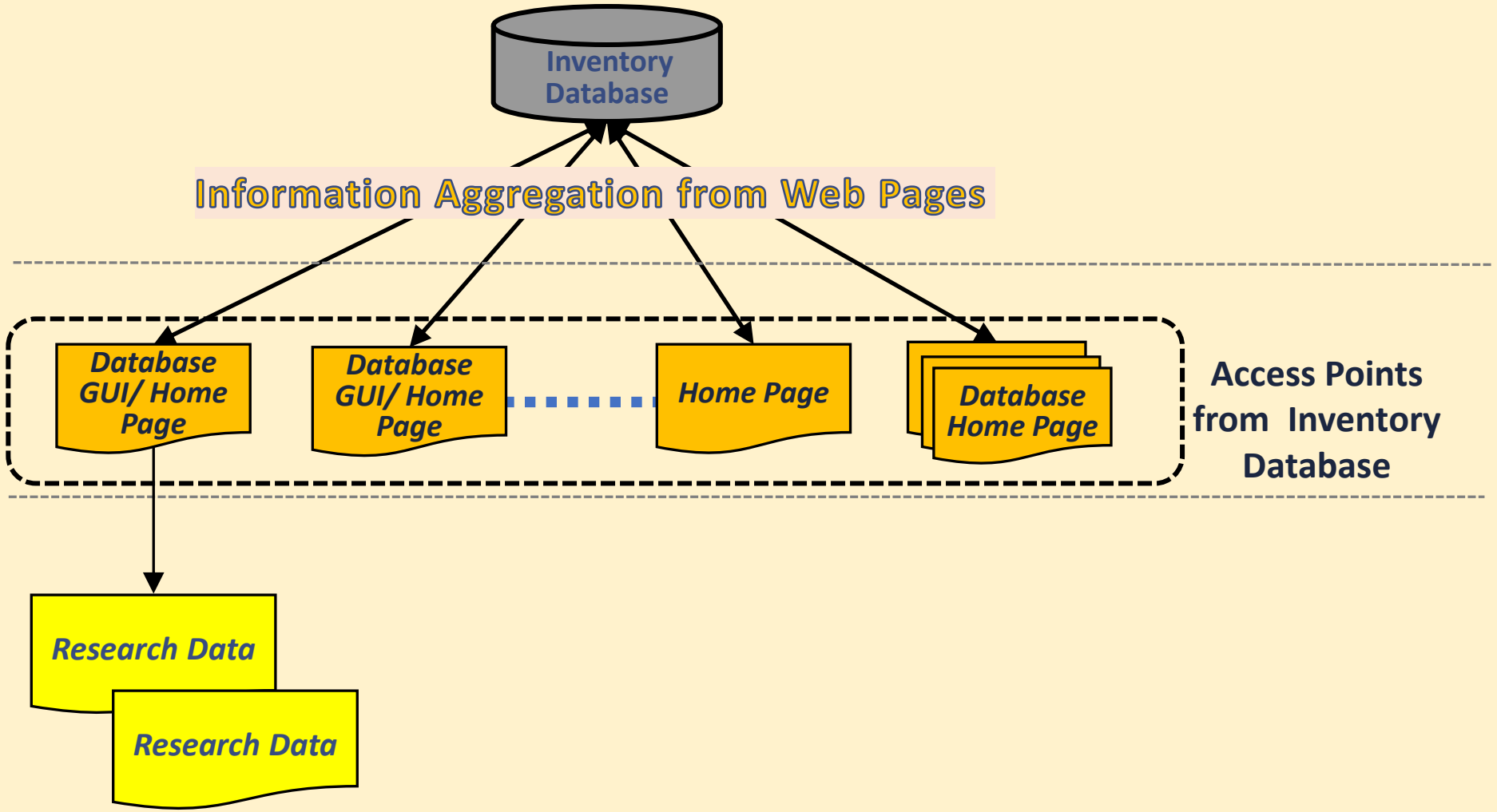
re3data.org Registration Policy

To be registered in re3data.org a research data repository must

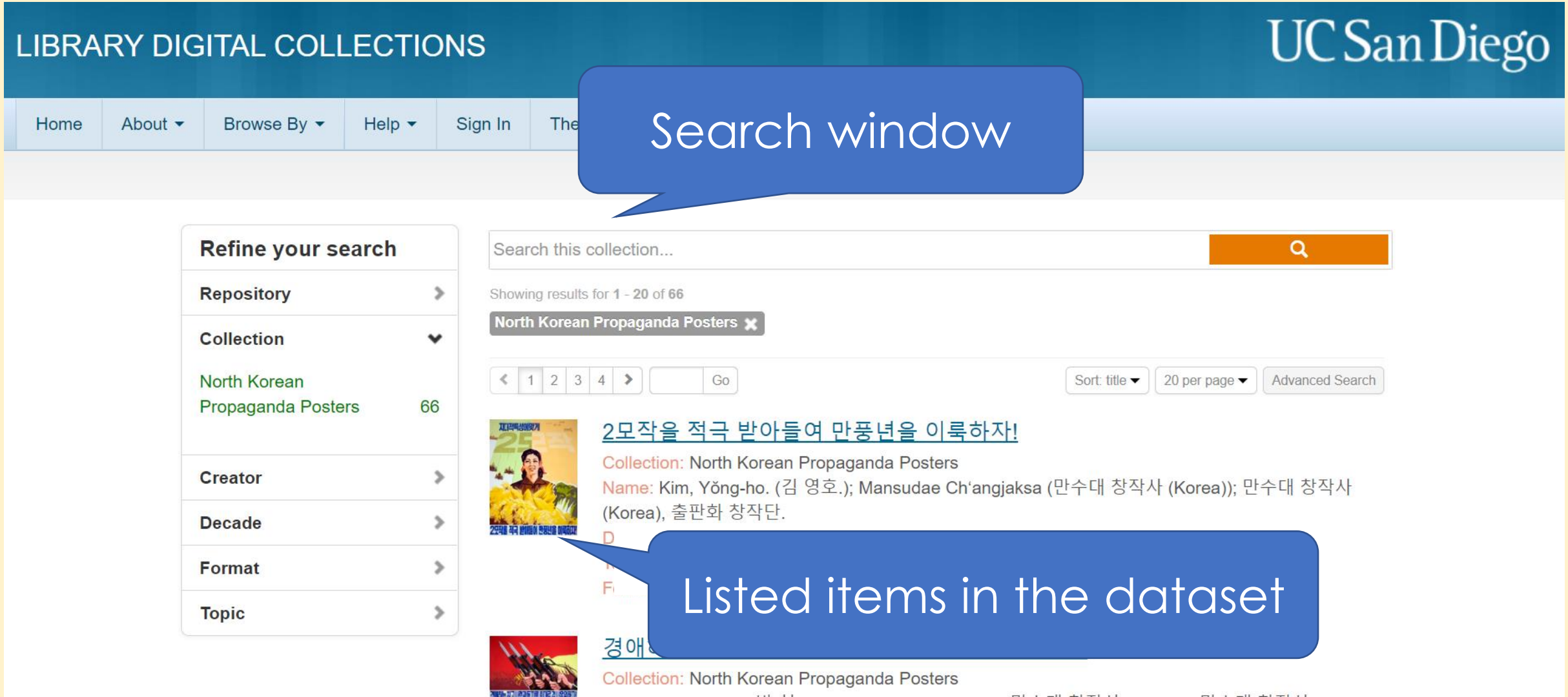
- be run by a legal entity, such as a sustainable institution (e.g. library, university)
- clarify access conditions to the data and repository as well as the terms of use
- **have focus on research data**

RsDA inventory

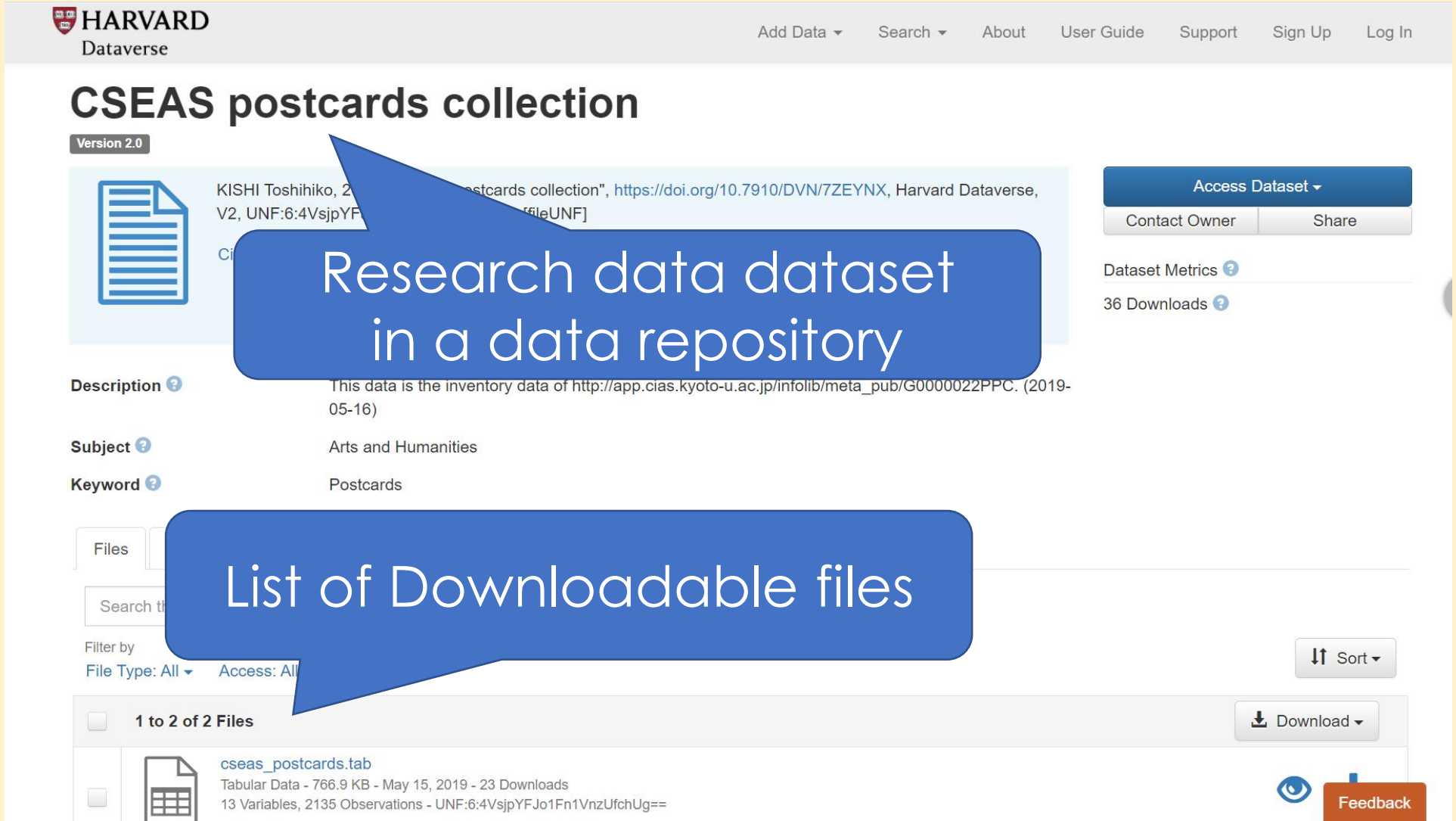
- Finding Aid of Research Resources-



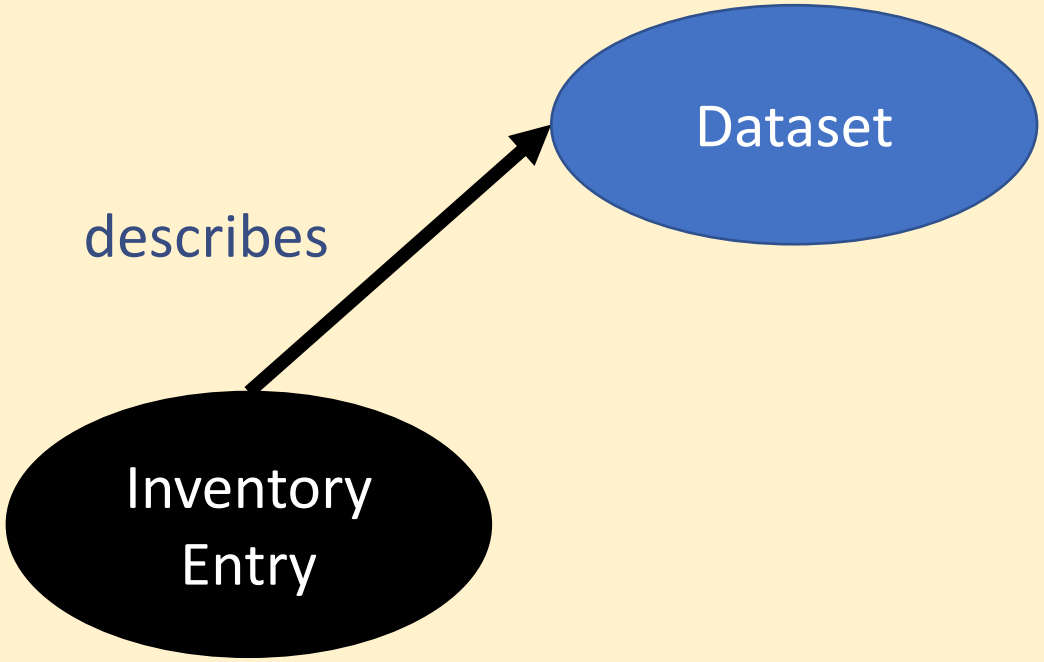
Example website of a dataset (1)



Example website of a dataset (2)



Metadata Model



Example Source Object (1)

Browse by Issue

Articles of Issue are displayed by selecting the cover image of Qalam.
(You can find articles of Issue displayed by selecting the cover image of Qalam.)

➔year 1950

Dataset of Magazines

➔year 1951

➔year 1952

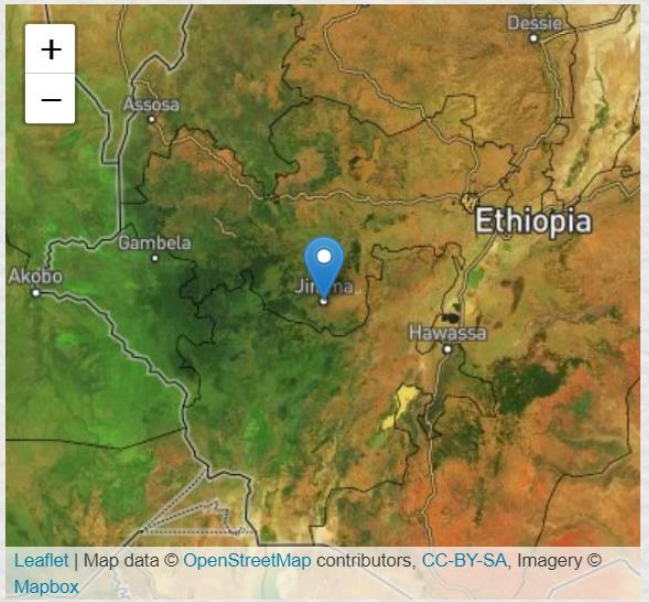
Example Source Object (2)

Google Translated to: English Show original Options ▼

1967.02.21 Jima Suburbs

While investigating household items, I found a geta called "Trekabi". It is used in the rainy season, but it is made of a single plate, but there was a common culture with us who came from the island nations of far East Asia. How is the geta culture geographically distributed?

Dataset of Fieldnotes



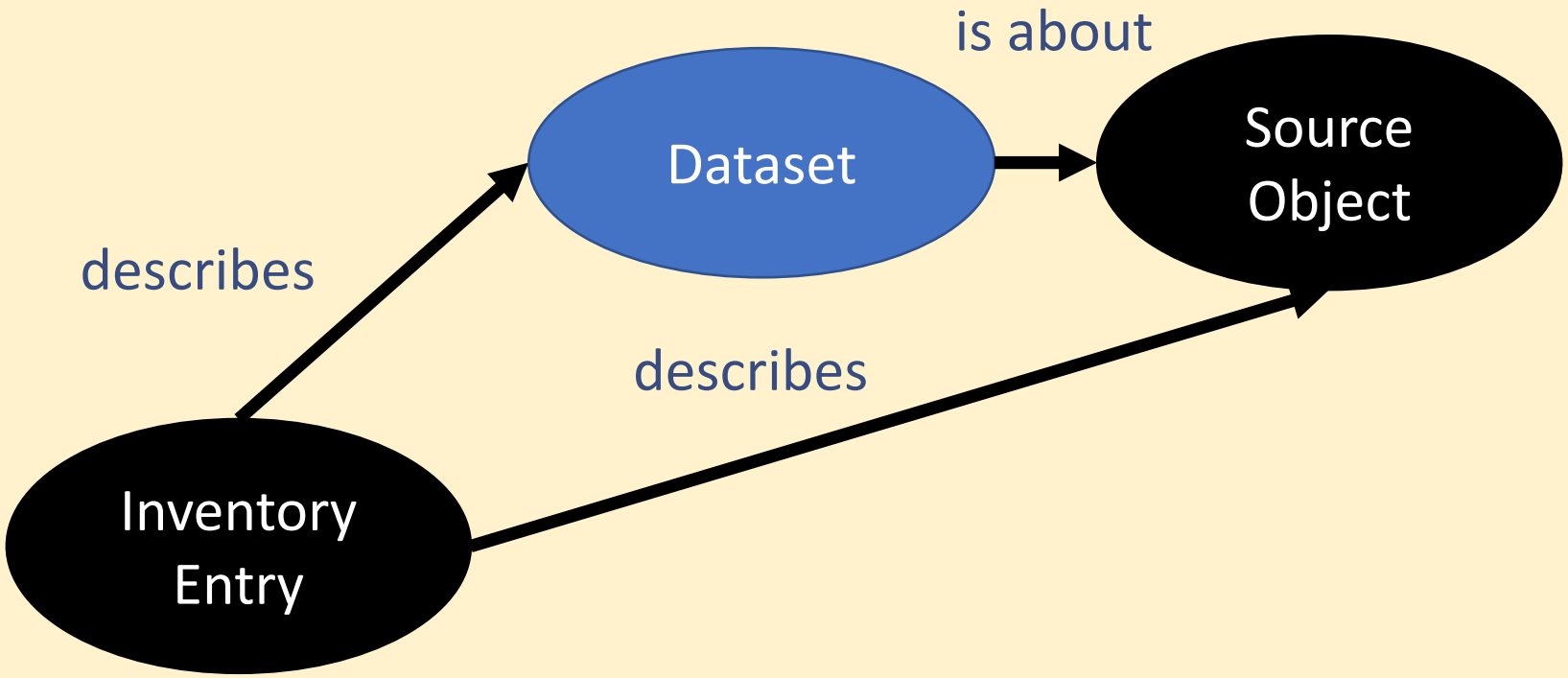
← Previous photo | List | Next photo →

(Swipe the photo or ← → key to change)

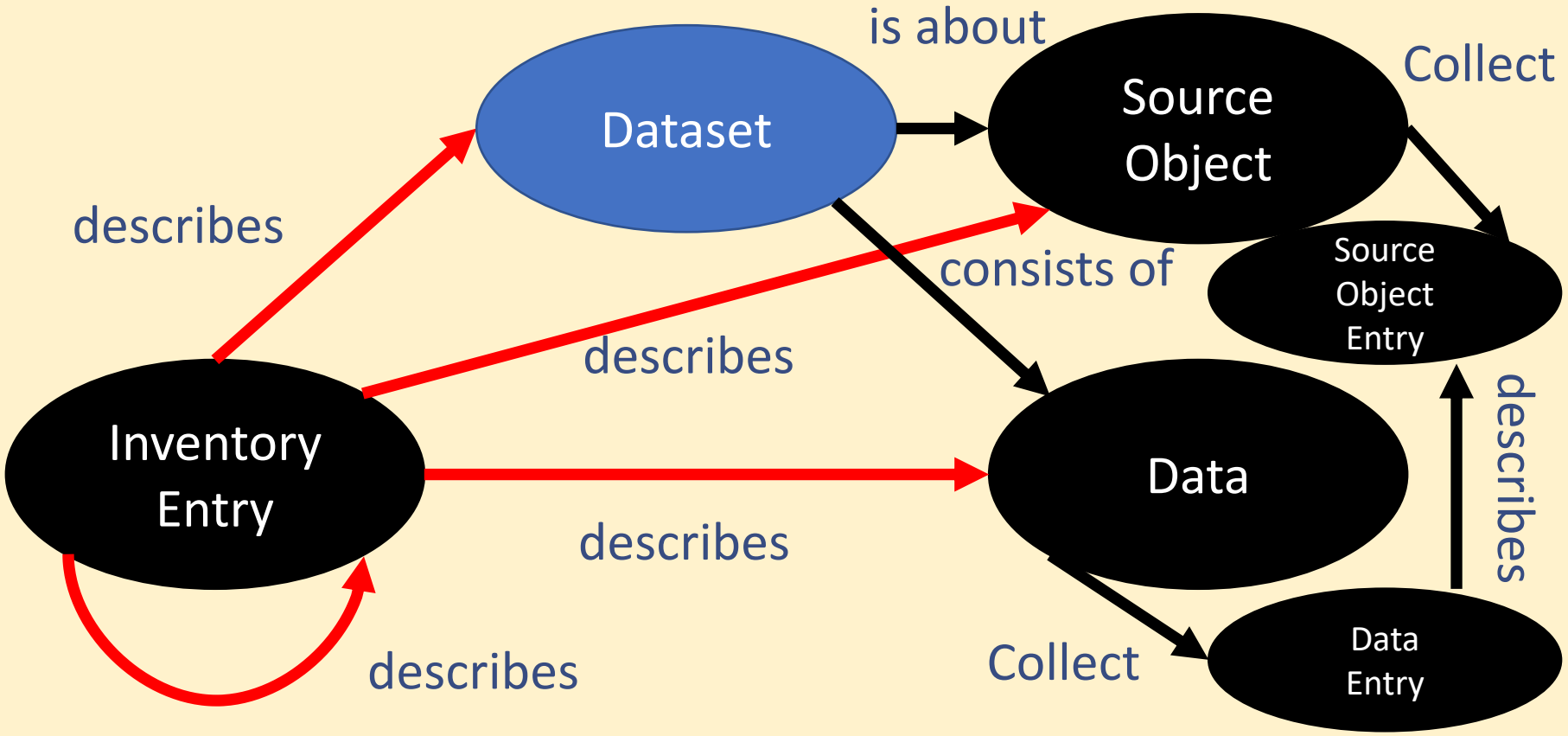
Sadao Sakamoto Field Photo DB

NOTE ID: 19671225365

RsDA data model



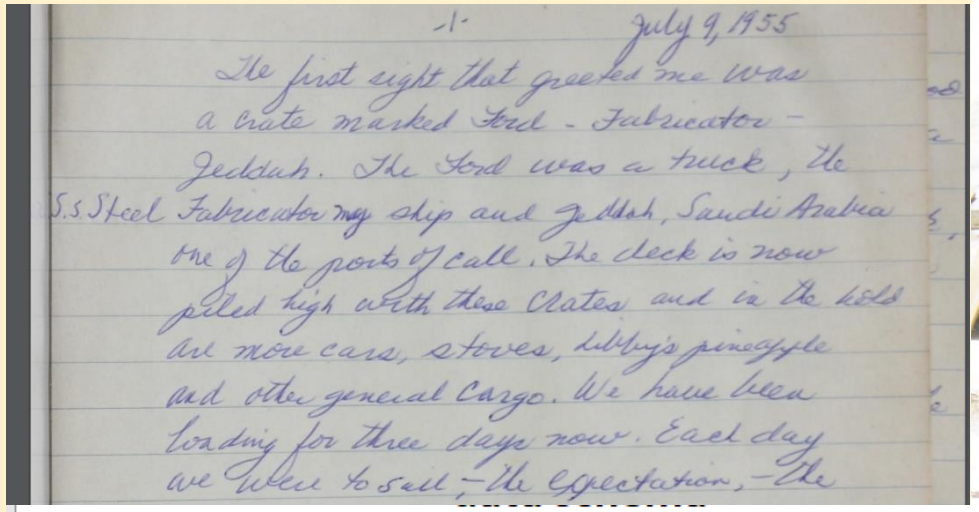
RsDA data model



Example of a cataloguing process

A	
URL	https://www.sac.or.th/databases/anthroarchive/collection_detail.php?colle
alternative URLs	
title (original)	วิลเลียม เจ.คลอสเนอร์
title (English)	William J.Klausner
title (other language)	
subject	Thai social and culture transition
description (English)	This collection is Klausner's material that he produced when he conducted hi
description (other language)	เอกสารชุดนี้เป็นบันทึกภาคสนามเมื่อครั้ง วิลเลียมส์ เจ.คลอสเนอร์ เข้ามาศึกษา
contributor	William J.Klausner
rights	CC BY-NC-ND
accesibility	Open
issued	
modified	
contact	
data language	tha, eng
data schema	

Example of a cataloguing process



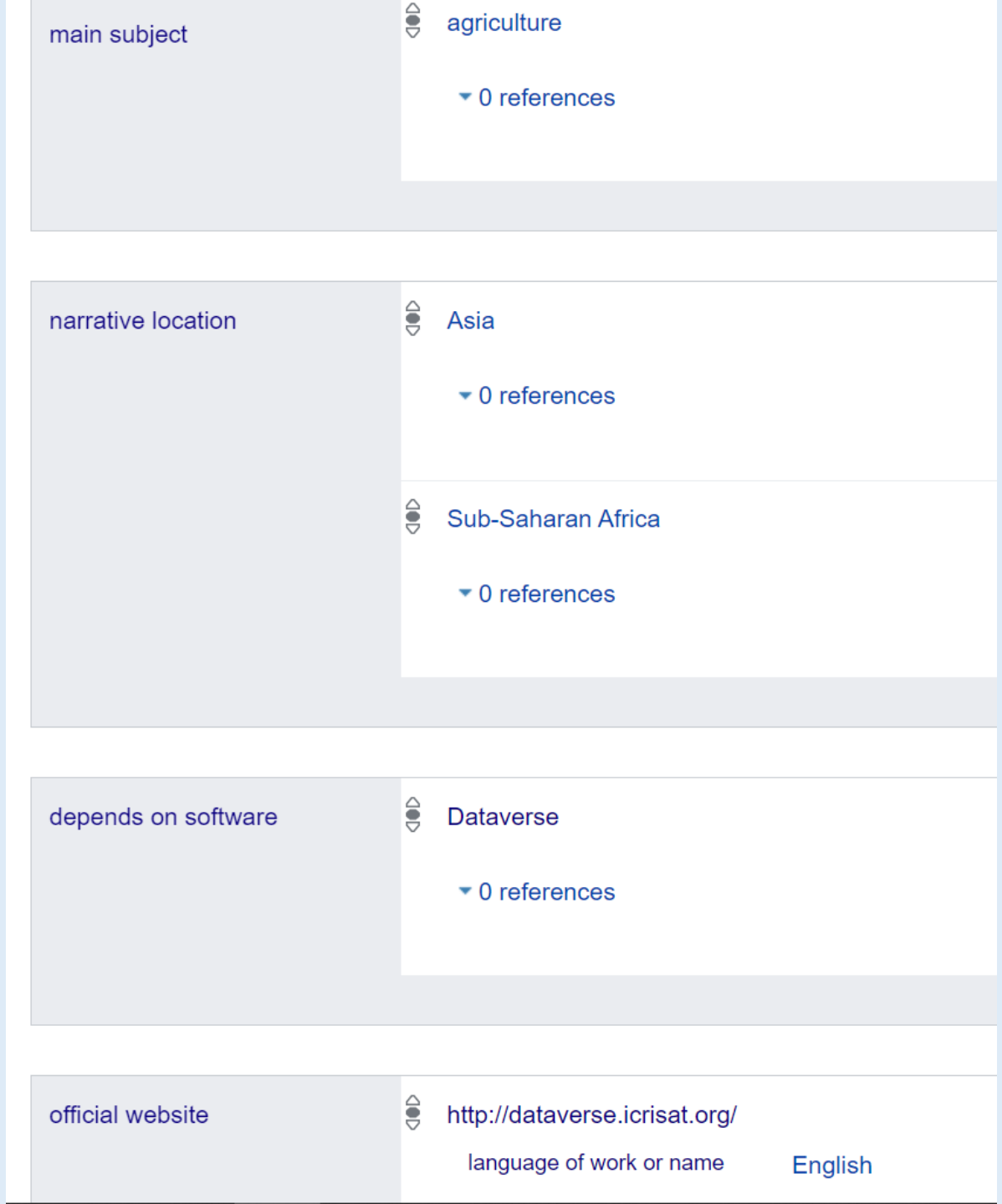
-1- July 9, 1955

The first sight that greeted me was a crate marked Ford - Fabricator - Jeddah. The Ford was a truck, the S.S. Steel Fabricator my ship and Jeddah, Saudi Arabia one of the ports of call. The deck is now piled high with these crates and in the hold are more cars, stoves, Libby's pineapple and other general cargo. We have been loading for three days now. Each day we were to sail, - the expectation, - the

source (source language)	
source (English)	[Fieldwork materials of William J.Klausner]
source (other language)	
source type	note, photo
source format	jpeg, pdf
source spacial coverage	Thailand
source temporal coverage	1955-1957
source language	eng
comment	

Migration to Wikidata

- 1000 mil entities
- Thousands of properties
- Linked Data functionality



Migration to Wikidata

- 1000 mil entities
- Thousands of properties
- Linked Data functionality

main subject

narrative location

depends on software

official website

```
#defaultView:Map
SELECT distinct ?item ?itemLabel ?areaLa
WHERE
{
  values ?itemClass {wd:Q1225034 wd:Q851
  values ?pArea {wdt:P921 wdt:P17 wdt:P8
  ?item wdt:P31 ?itemClass;
        ?pArea ?area.
  ?area wdt:P625 ?coordinate.
  SERVICE wikibase:label { bd:servicePar
}
```

EXECUTE

Various classes

	classLabel	count
data.org/entity/Q8513	database	7
data.org/entity/Q60474998	digital collection	6
data.org/entity/Q186165	web portal	4
data.org/entity/Q1172284	data set	3
data.org/entity/Q1224984	digital archive	3
data.org/entity/Q35127	website	2
data.org/entity/Q1225034	virtual museum	2

Various properties

	propertyLabel	count
v.wikidata.org/prop/direct/P31	instance of	41
v.wikidata.org/prop/direct/P921	main subject	30
v.wikidata.org/prop/direct/P856	official website	26
v.wikidata.org/prop/direct/P840	narrative location	13
v.wikidata.org/prop/direct/P126	maintained by	10
v.wikidata.org/prop/direct/P17	country	8
v.wikidata.org/prop/direct/P7103	start of covered period	6
kidata.org/prop/direct/P6241	collection creator	6

Concept made of Union

```
#defaultView:Map
SELECT distinct ?item ?itemLabel ?areaLa
WHERE
{
  values ?itemClass {wd:Q1225034 wd:Q851
1 wdt:P17 wdt:P8
ss;

nate.
 { bd:servicePar
```

```
#defaultView:Map
SELECT distinct ?item ?itemLabel ?areaLabel ?coordinate
WHERE
{
  values ?itemClass {wd:Q1225034 wd:Q8513 wd:Q212805 wd:Q60474998 wd:Q1988927 wd:Q1172284}
  values ?pArea {wdt:P921 wdt:P17 wdt:P840}
  ?item wdt:P31 ?itemClass;
        ?pArea ?area.
  ?area wdt:P625 ?coordinate.
  SERVICE wikibase:label { bd:serviceParam wikibase:language "[AUTO_LANGUAGE],en". }
}
```

wd:Q1225034 wd:Q8513 wd:Q212805
wd:Q60474998 wd:Q1988927 wd:Q1172284

→ digital library, digital archive,…

wdt:P921 wdt:P17 wdt:P840

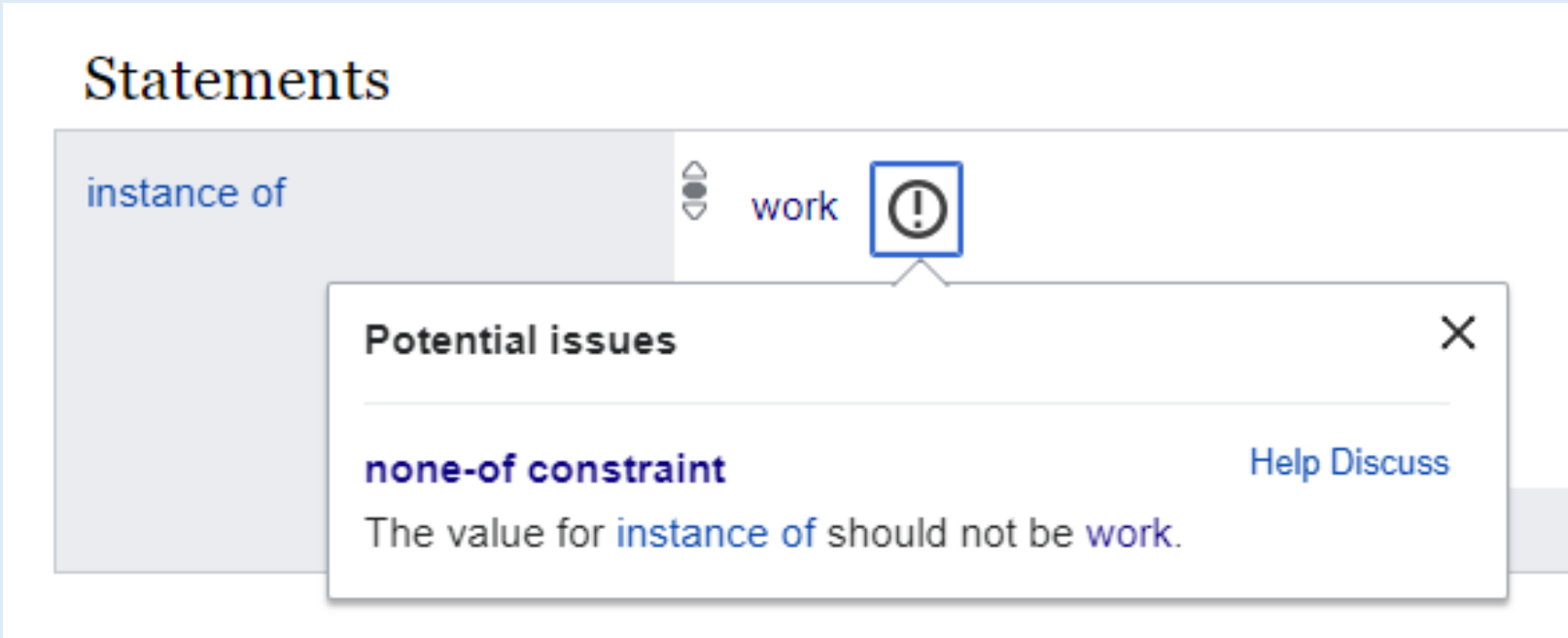
→ narrative location, main subject,…

RsDA-Wikidata guidelines

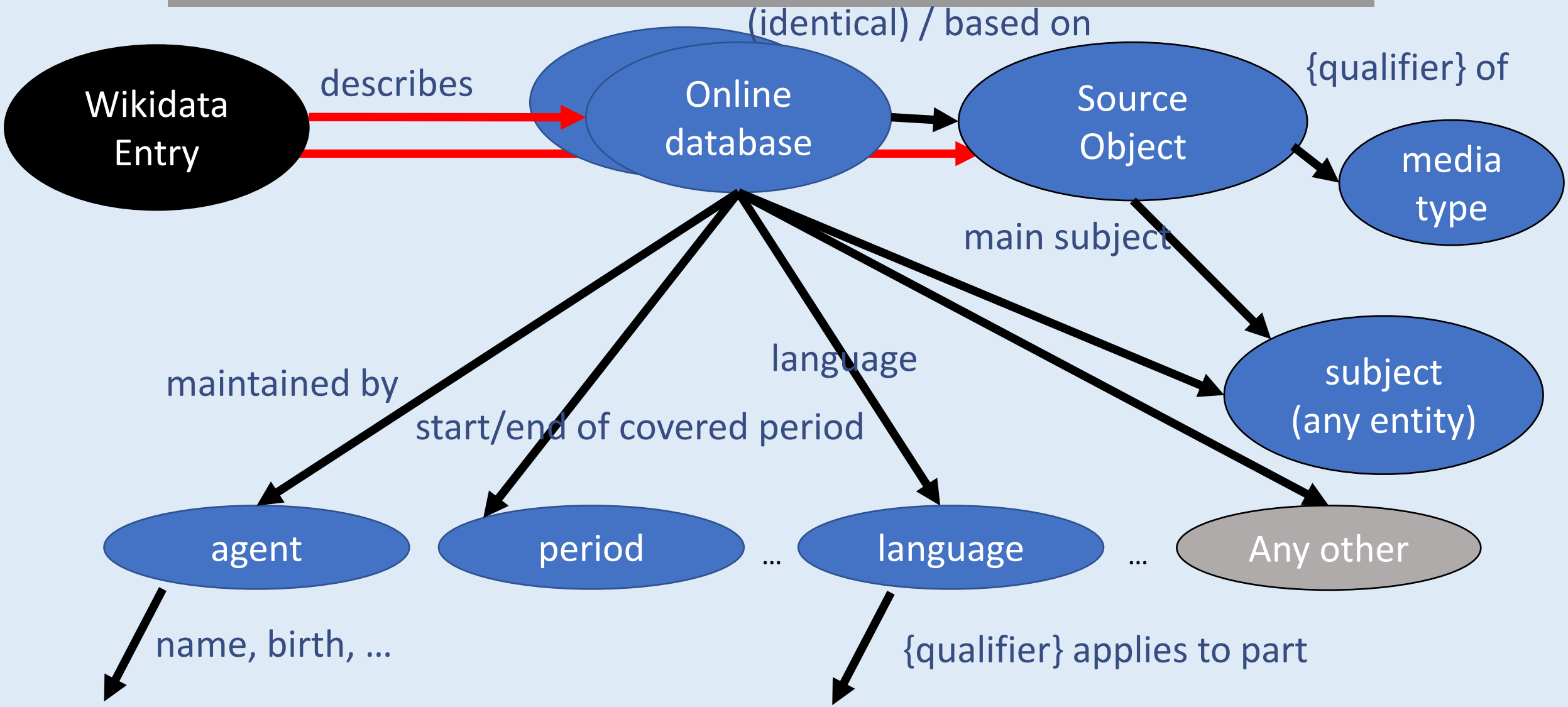
- There are lot of considerations and we have no time to explain all of them in this presentation, we are preparing the detailed documentation.
- We focus on three problems mainly:
  - Choice of classes
  - Source Object and its description
  - Language information

RsDA-Wikidata guidelines

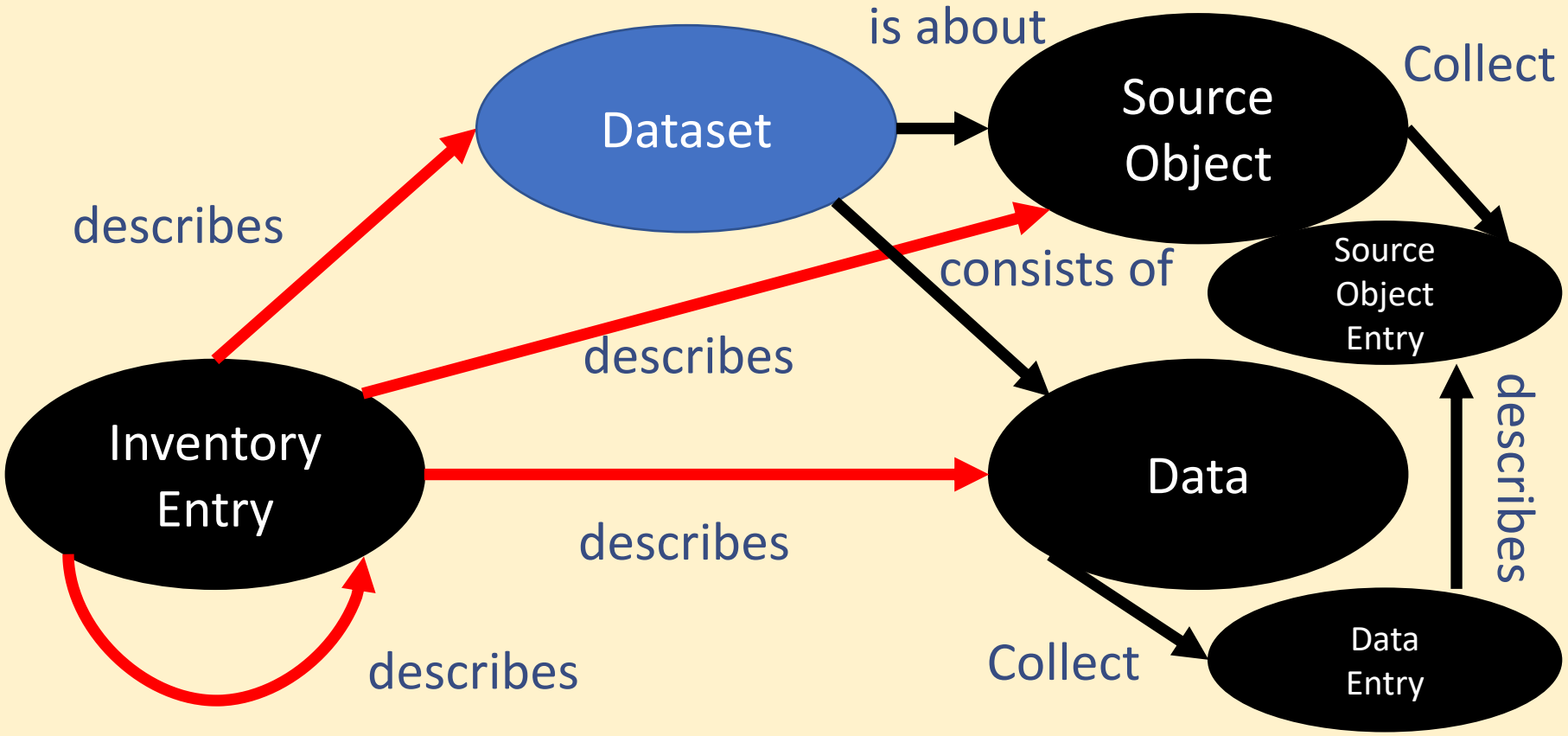
- You should select the most detailed one as long as it is common enough and you are confident to assign it .
- Assign one of the sub-classes of “online database”(Q7094076) as much as possible, and if necessary you can write other classes also.



RsDA-Wikidata data model



RsDA data model



Not only when you publish your database,

But also when

- You heard a presentation mentioning interesting online database,
- You saw a news article mentioning interesting online database,

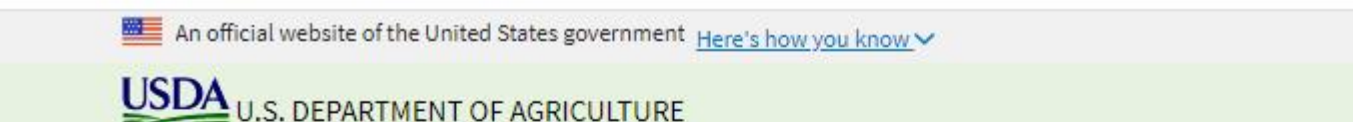
it is a chance to share them with describing it on Wikidata!

Forest Service Research Data Archive (Q113997698)

Statements

instance of	institutional repository 0 references
	data library 0 references
official website	https://www.fs.usda.gov/rds/archive/ language of work or name: English 0 references
maintained by	United States Forest Service 0 references

Forest Service Research Data Archive (Q113997698)



High-resolution land cover of Kansas (2015) (Q105464003)

No description defined

In more languages

Statements

instance of
- scholarly article — edit
  - 0 references
  - add
- data set — edit
  - 0 references
  - add

add

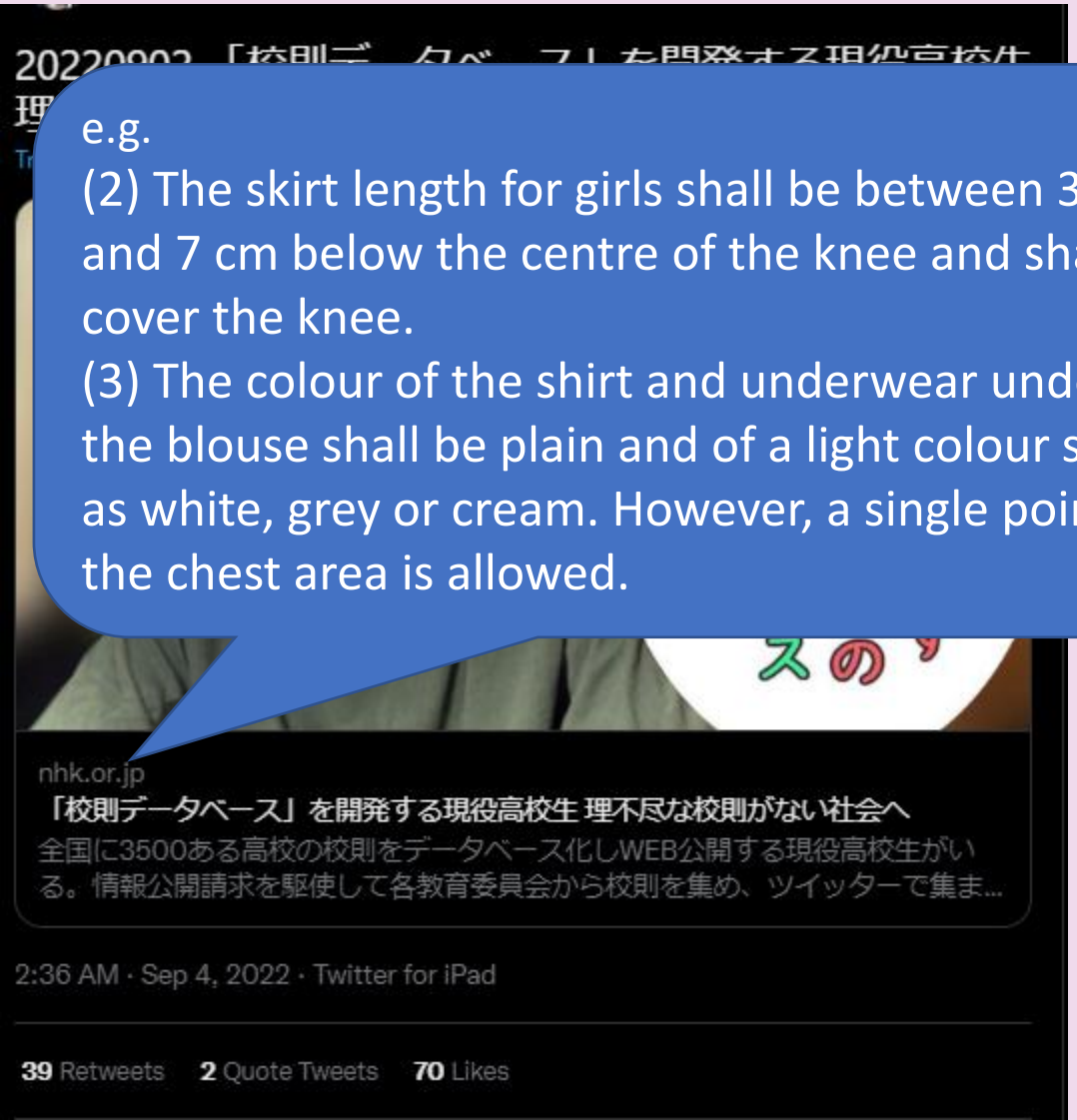
Distributed from

Statements

instance of
- institutional repository
  - 0 references
- data library
  - 0 references

- https://www.fs.usda.gov/rds/archive/
  - language of work or name: English
  - 0 references
- United States Forest Service
  - 0 references

School rules database (Q113997495)



e.g.
(2) The skirt length for girls shall be between 3 cm and 7 cm below the centre of the knee and shall cover the knee.
(3) The colour of the shirt and underwear under the blouse shall be plain and of a light colour such as white, grey or cream. However, a single point on the chest area is allowed.

Statements

instance of	online database 0 references
official website	https://www.kousoku.org/ language of work or name Japanese 0 references
described at URL	https://www.nhk.or.jp/gendai/comment/0012/topic030.html language of work or name Japanese 0 references
main subject	school discipline

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We can query them with Wikidata Query Service

Links

- RsDA project website
  http://rsda.mydatabase.jp Searching for “rsda asia” will bring you here
  http://rsda.mydatabase.jp/inventory/descriptions/index.html RsDA Inventory
- This presentation slides online
  http://rsda.mydatabase.jp/events/pnc2022/kameda.pdf
- Form for submitting your Wikidata entry to RsDA
  https://forms.gle/G6M7NQ6xC5Sf4LUo9
- My User-talk page on Wikidata about RsDA and Wikidata
  https://www.wikidata.org/wiki/User_talk:KAMEDA,_Akihiro/RsDA

Towards data preservation

To facilitate searching is not the final destination of our project

- Sharing is caring, and vice versa

  Share description of the data → Care the data & the resea
  → Easier access, use and maintenance of the data

- Automatic alive monitoring

- Helping migrating, web
  cf. Dataverse, SUCHO

- Academic Research | North Korea porta
- MERAL
- DISE
- General Statistics Office of Vietnam

Saving Ukrainian Cultural Heritage Online

SUCHO is an initiative of over 1,500 international volunteers who are collaborating online to digitize and preserve Ukrainian cultural heritage. Since the start of the invasion, SUCHO has web-archived more than 5,000 websites and 50TB of data of Ukrainian cultural institutions, to prevent these websites from going offline. The websites range from national archives to local museums, from 3D tours of churches to children's art centers.

Links

- RsDA project website
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  http://rsda.mydatabase.jp/inventory/descriptions/index.html RsDA Inventory
- This presentation slides online
  http://rsda.mydatabase.jp/events/pnc2022/kameda.pdf
- Form for submitting your Wikidata entry to RsDA
  https://forms.gle/G6M7NQ6xC5Sf4LUo9
- My User-talk page on Wikidata about RsDA and Wikidata
  https://www.wikidata.org/wiki/User_talk:KAMEDA,_Akihiro/RsDA