

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

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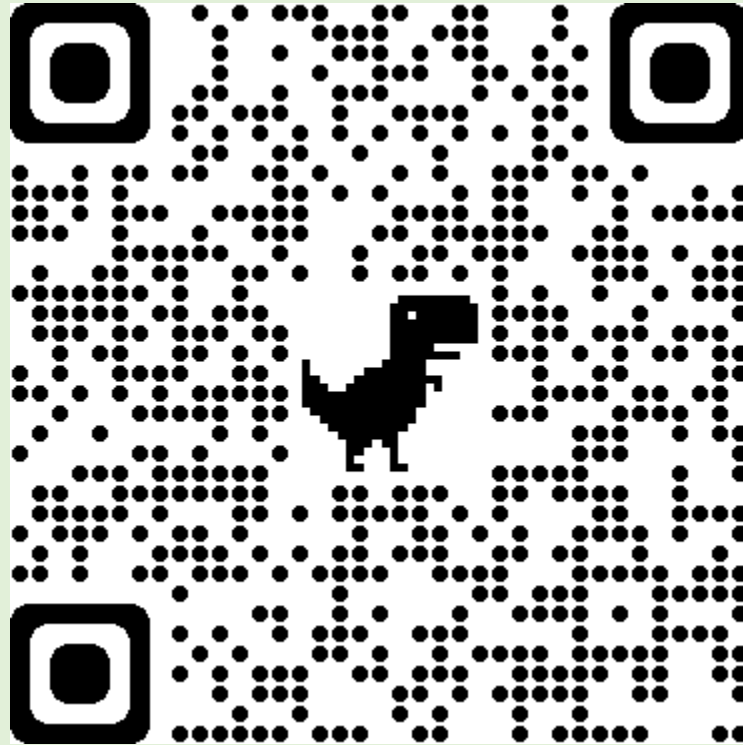
Kosei Mino (Independent Researcher, Japan)

Shigeo Sugimoto (Professor emeritus, University of Tsukuba, Japan)

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
  Cawangan Kelantan UNIVERSITI TEKNOLOGI MARA	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
 ශ්‍රී ලංකා විශ්වවිද්‍යාලය ශ්‍රී ලංකා විශ්වවිද්‍යාලය UNIVERSITY OF COLOMBO	Sri Lanka
 UNIVERSITAS LANGANG KUNING www.unilak.ac.id	Indonesia
 UNIVERSITAS ISLAM RIAU Islamic University of Riau	Indonesia
 UNIVERSITAS INDONESIA Widya, Profetik, Justitia	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 Library University of the Philippines Diliman	Philippines
 Center for Southeast Asian Studies Kyoto University	Japan
 National University of Singapore	Taiwan
 National University of Singapore	Singapore
 CHIANG MAI UNIVERSITY LIBRARY CMU	Thailand
 CHULALONGKORN UNIVERSITY	Thailand
 มหาวิทยาลัยขอนแก่น KHON KAEN UNIVERSITY	Thailand

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 Am

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. 東北亞歴史ネット / 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.



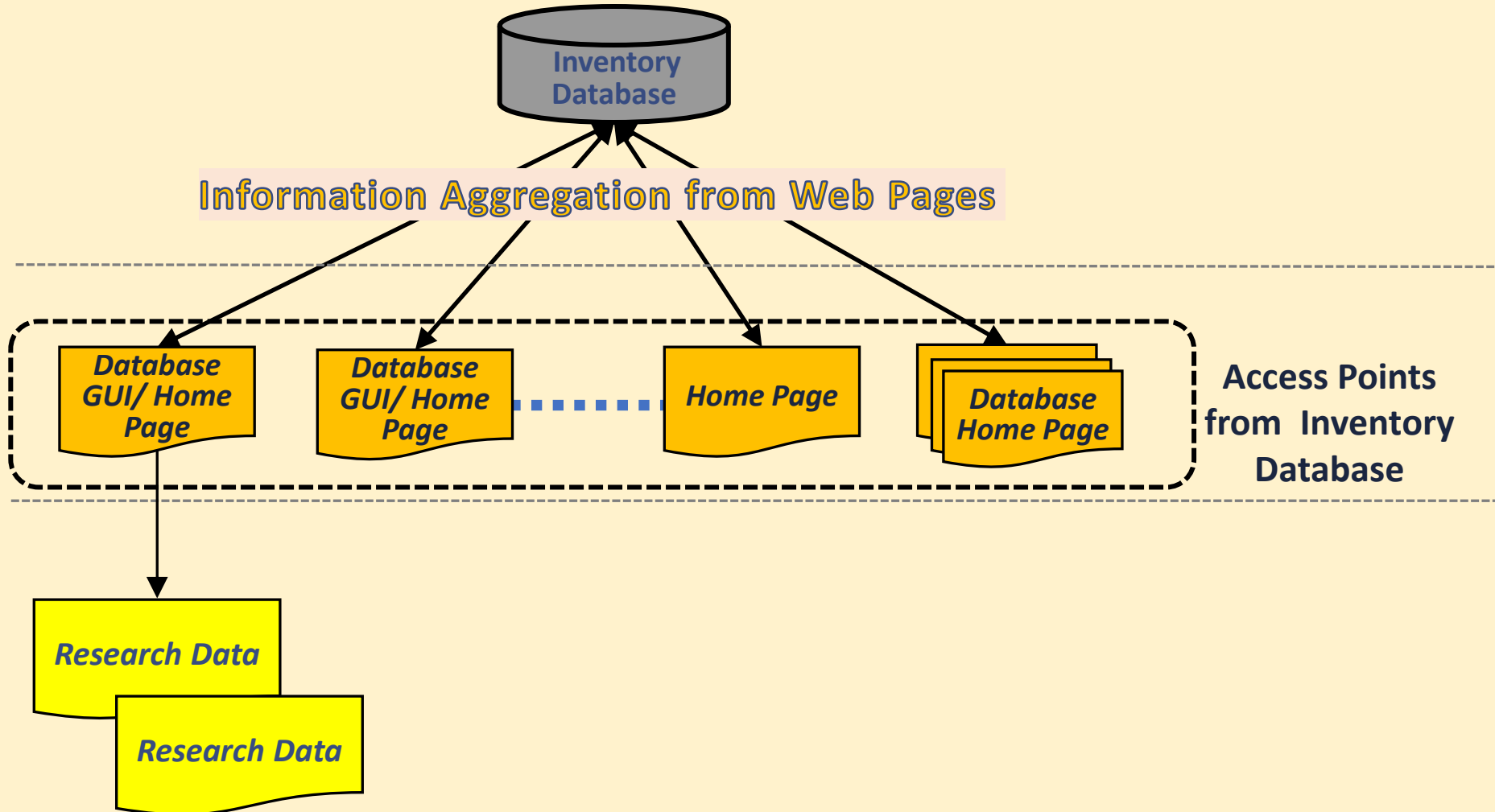
re3data.org Registration Policy

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)

Search window

Refine your search

Repository >

Collection ▾

North Korean Propaganda Posters 66

Creator >

Decade >

Format >

Topic >

Search this collection...



Showing results for 1 - 20 of 66

North Korean Propaganda Posters x

< 1 2 3 4 > Go

Sort: title ▾

20 per page ▾

Advanced Search



2모작을 적극 받아들여 만풍년을 이룩하자!

Collection: North Korean Propaganda Posters

Name: Kim, Yöng-ho. (김 영호.); Mansudae Ch'angjaksä (만수대 창작사 (Korea)); 만수대 창작사 (Korea), 출판화 창작단.

Listed items in the dataset



경애

Collection: North Korean Propaganda Posters


Example website of a dataset (2)

HARVARD
Dataverse

Add Data ▾ Search ▾ About User Guide Support Sign Up Log In

CSEAS postcards collection

Version 2.0

 KISHI Toshihiko, 2019. "CSEAS postcards collection", <https://doi.org/10.7910/DVN/7ZEYNX>, Harvard Dataverse, V2, UNF:6:4VsjpYFJo1Fn1VnzUfchUg== [fileUNF]

Access Dataset ▾
Contact Owner Share

Dataset Metrics ?
36 Downloads ?

Description ? This data is the inventory data of http://app.cias.kyoto-u.ac.jp/infolib/meta_pub/G0000022PPC. (2019-05-16)

Subject ? Arts and Humanities

Keyword ? Postcards


Files


Search the files

Filter by
File Type: All ▾ Access: All ▾

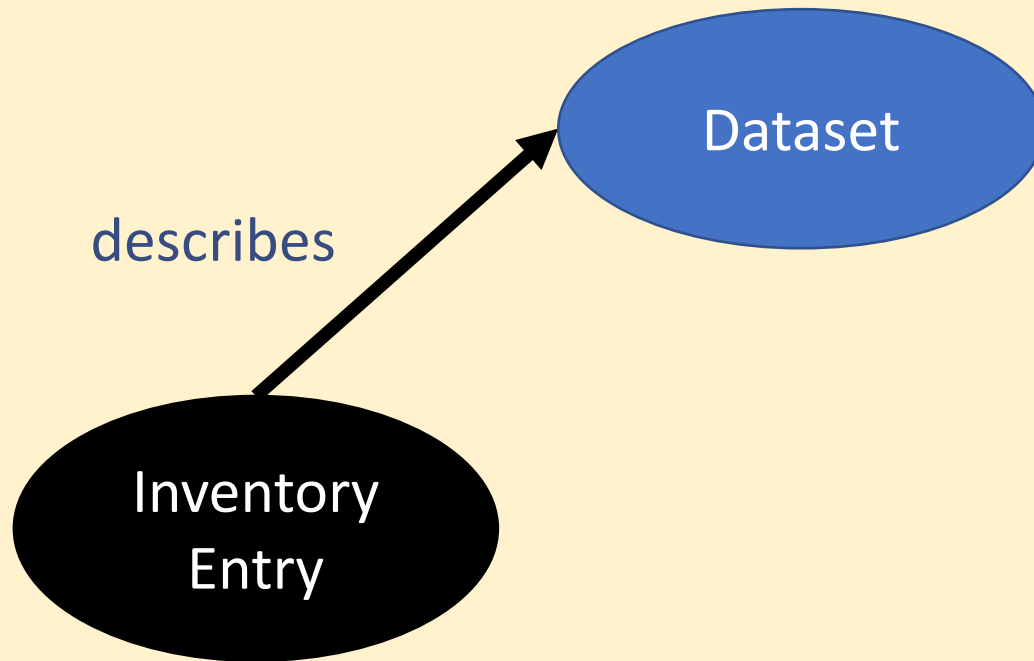
Sort ▾

1 to 2 of 2 Files Download ▾

<input type="checkbox"/>	 cseas_postcards.tab Tabular Data - 766.9 KB - May 15, 2019 - 23 Downloads 13 Variables, 2135 Observations - UNF:6:4VsjpYFJo1Fn1VnzUfchUg==
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 Feedback

Metadata Model



Example Source Object (1)

Q 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

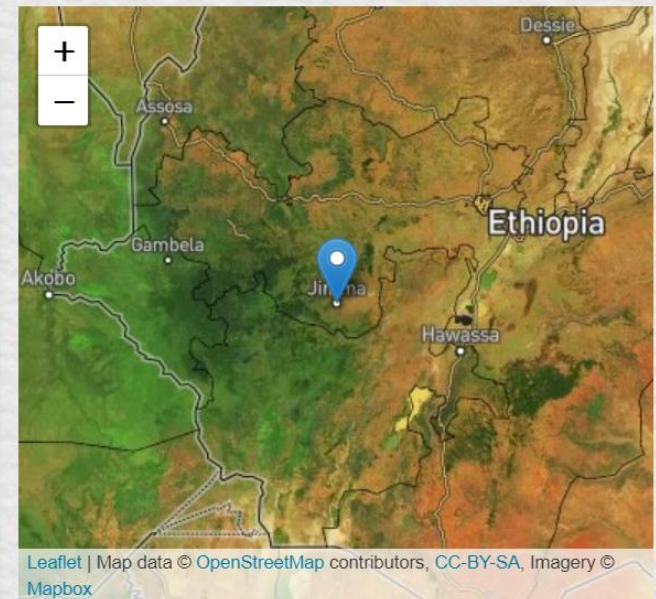
Options



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



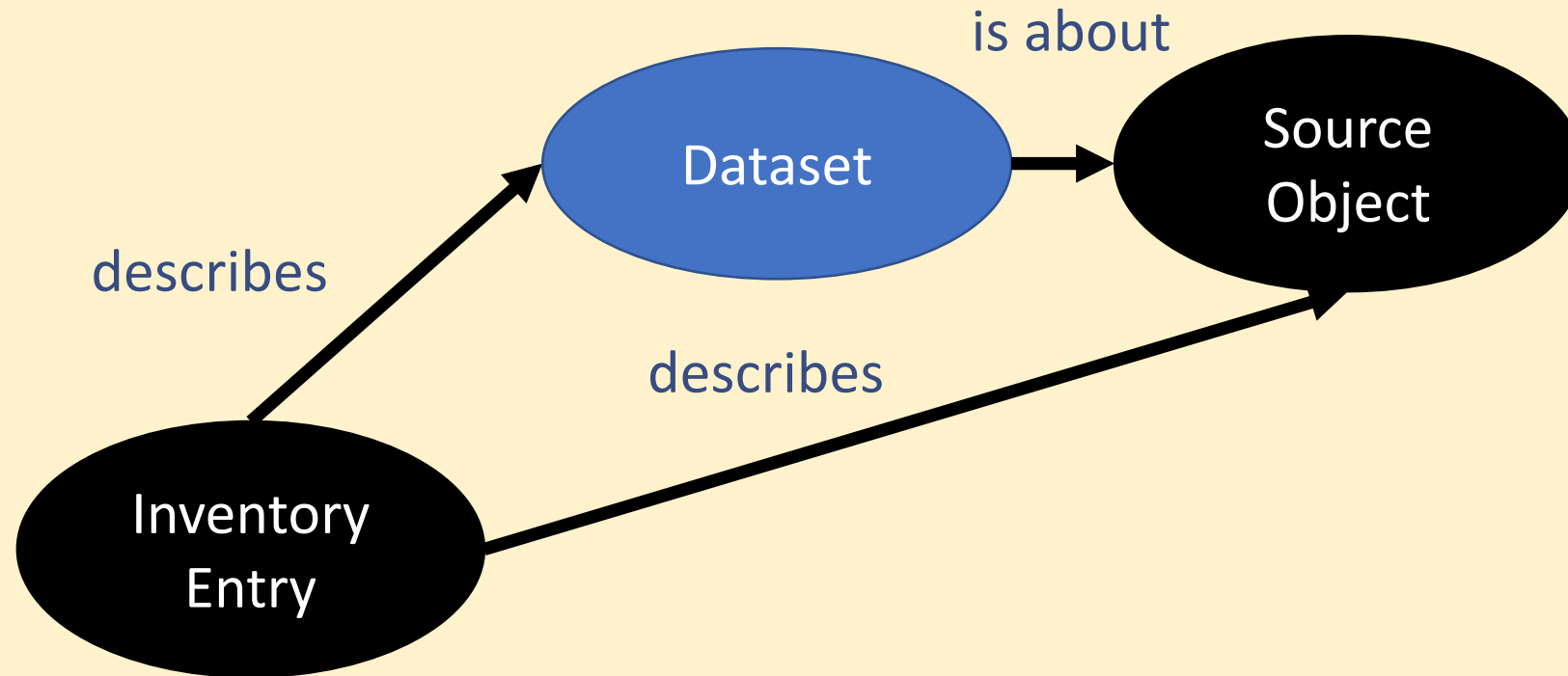
[← Previous photo](#) | [List](#) | [Next photo →](#)

(Swipe the photo or ← → key to change)

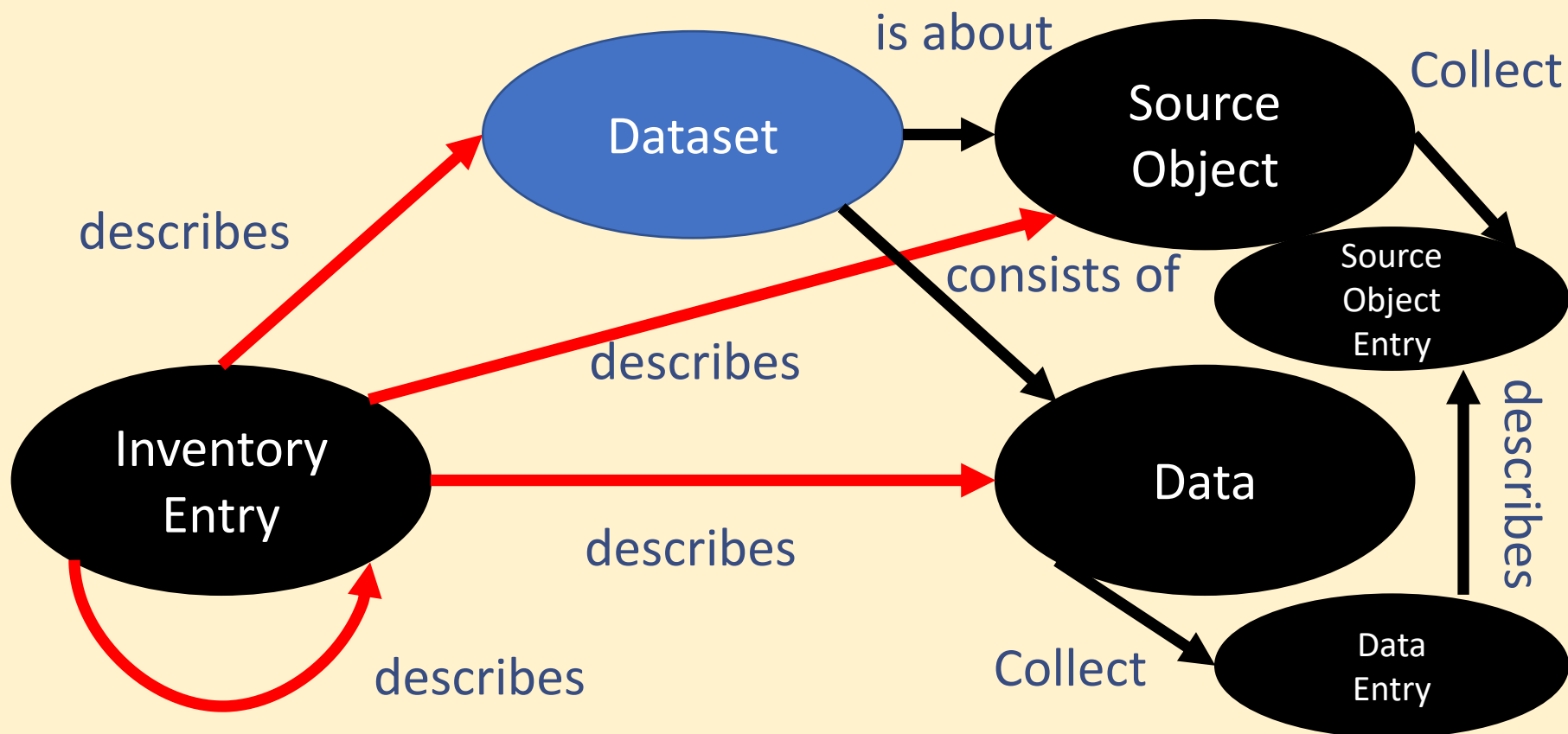
[Sadao Sakamoto Field Photo DB](#)

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 his
description (other language)	เอกสารชุดนี้เป็นบันทึกภาคสนามเมื่อครั้ง วิลเลียมส์ เจ.คลอสเนอร์ เข้ามาศึกษา
contributor	William J.Klausner
rights	CC BY-NC-ND
accessibility	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

main subject

agriculture

▼ 0 references

narrative location

Asia

▼ 0 references

Sub-Saharan Africa

▼ 0 references

depends on software

Dataverse

▼ 0 references

official website

<http://dataverse.icrisat.org/>

language of work or name

English

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 ?areaLabel
WHERE
{
  values ?itemClass {wd:Q1225034 wd:Q851}
  values ?pArea {wdt:P921 wdt:P17 wdt:P854}
  ?item wdt:P31 ?itemClass;
    ?pArea ?area.
  ?area wdt:P625 ?coordinate.
  SERVICE wikibase:label { bd:serviceParam
    wikibase:language: en
  }
```

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
v.wikidata.org/prop/direct/P6241	collection creator	6

Concept made of Union

```
#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, ...

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

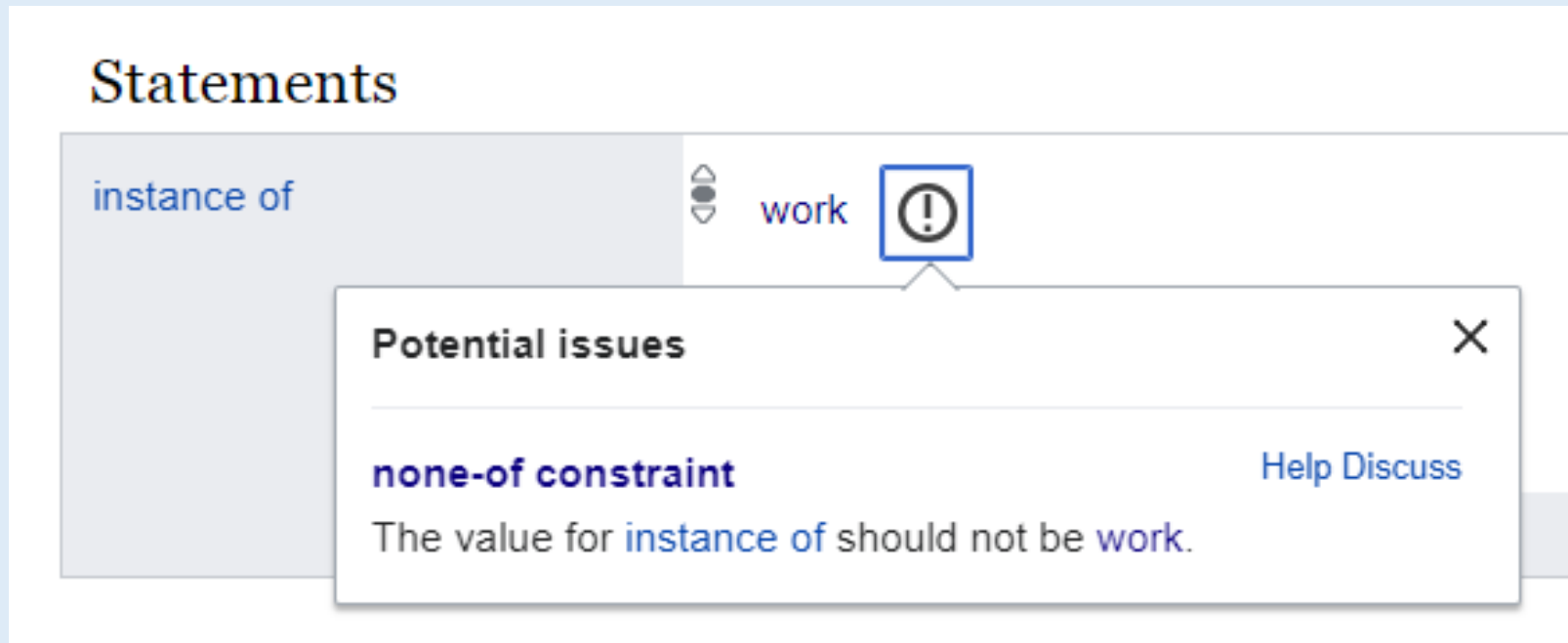


RsDA-Wikidata guidelines

- 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.



The screenshot shows the Wikidata 'Statements' interface. A statement is shown with the property 'instance of' and the value 'work'. A warning icon (exclamation mark in a circle) is present next to the value. A tooltip box titled 'Potential issues' is open, displaying the error: 'none-of constraint' and 'The value for instance of should not be work.' There are 'Help' and 'Discuss' links in the tooltip.

Statements

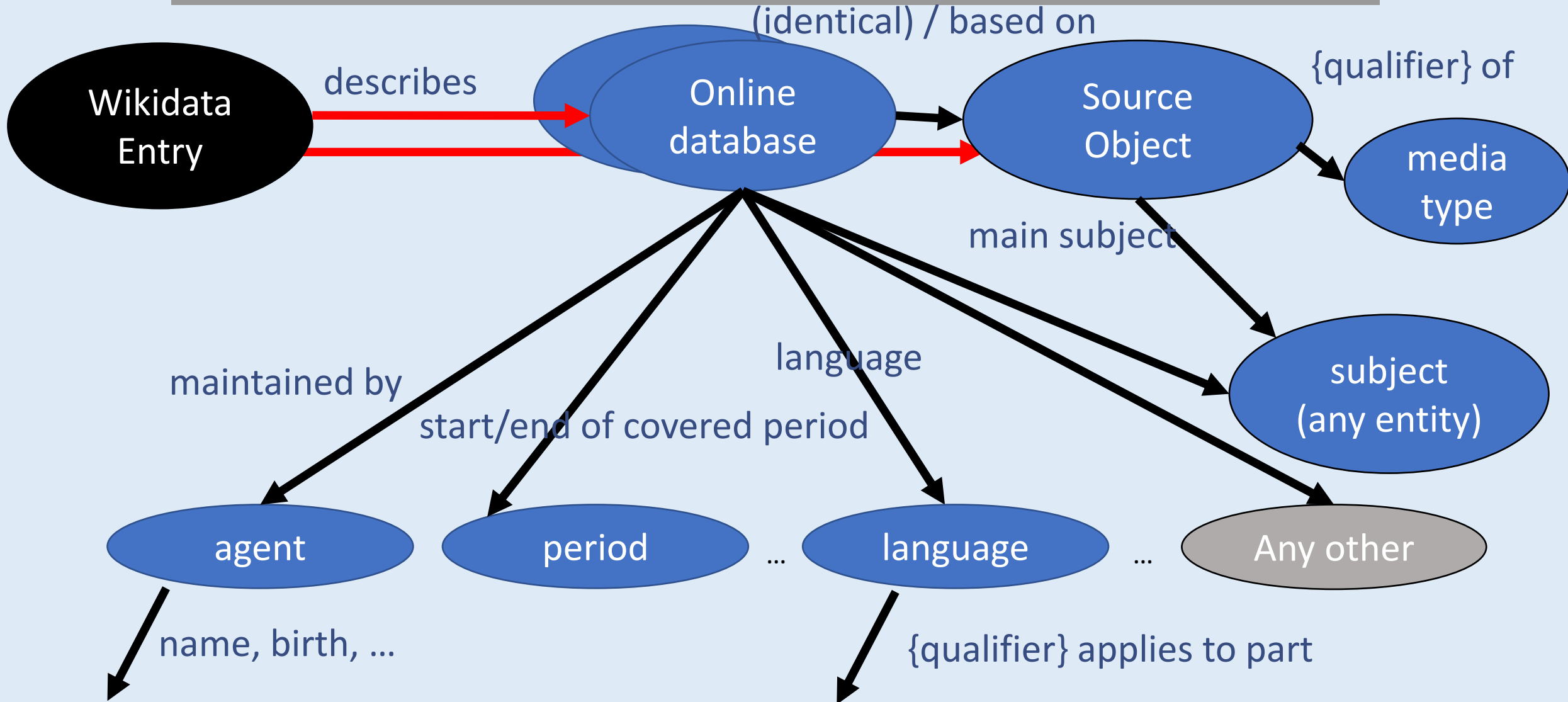
instance of work 

Potential issues ✕

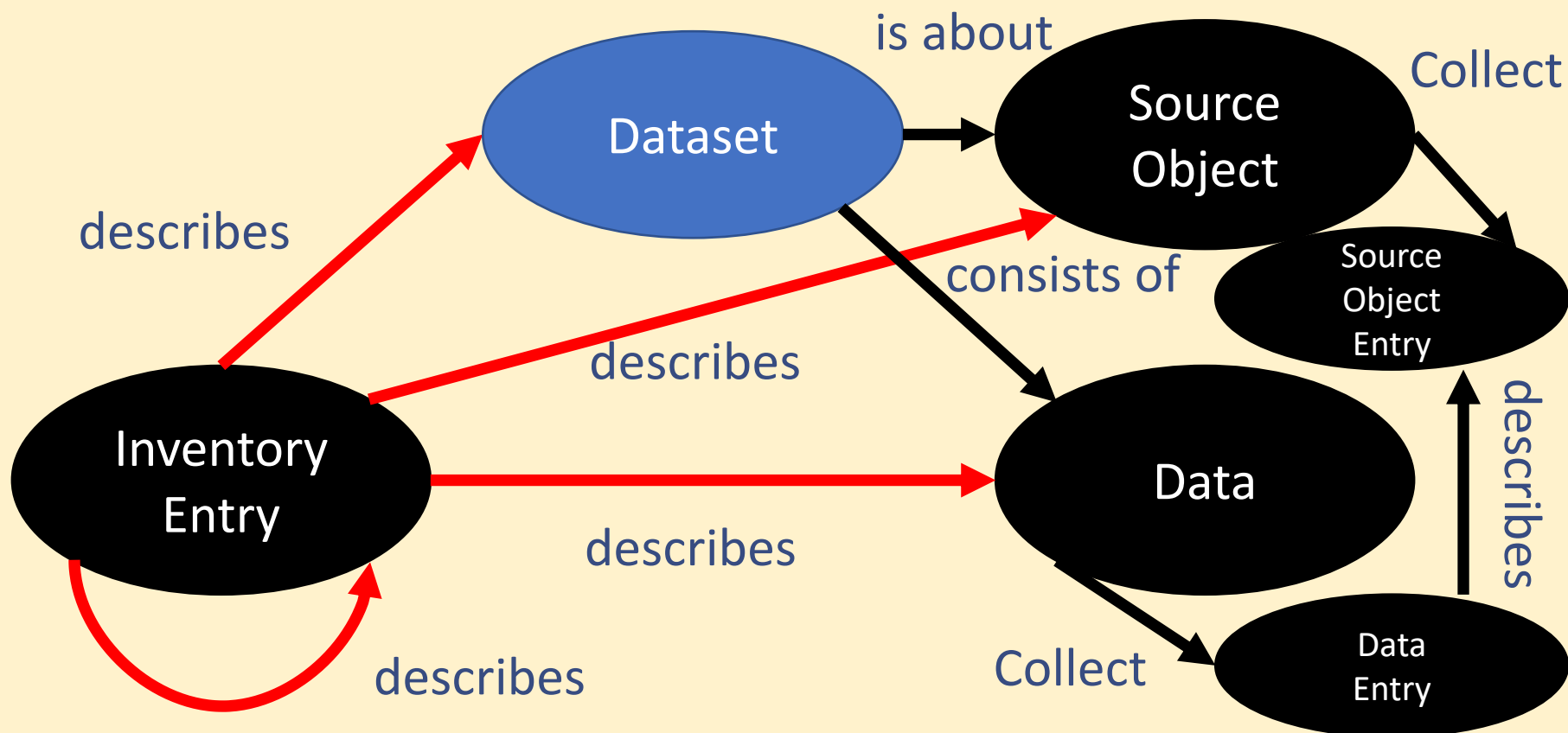
none-of constraint [Help](#) [Discuss](#)

The value for [instance of](#) should not be [work](#).

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)

 An official website of the United States government [Here's how you know](#) ✓



Research Data Archive

Roots of our Research



[Catalog](#) ✓ [Our Formats](#) [Metadata & Tools](#) [Submitting Data](#) [Digitizing](#) [Co](#)




*Incidental and long-distance bird observations
Toiyabe, and Monitor ranges, Nevada*

These data document detections of birds in
ranges in the central Great Basin (Lander, N
the Shoshone Mountains, Toiyabe Range, T

Data were collected during the 2002-2015 breeding seasons, inclusive, and

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)

 An official website of the United States government [Here's how you know](#) ✓

 U.S. DEPARTMENT OF AGRICULTURE



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

No description defined

► [In more languages](#)

Statements

instance of

  scholarly article



▼ 0 references

  data set

▼ 0 references

Statements

instance of



  institutional repository

▼ 0 references

  data library

▼ 0 references

Distributed from

  <https://www.fs.usda.gov/rds/archive/>

language of work or name English

▼ 0 references

  United States Forest Service

▼ 0 references

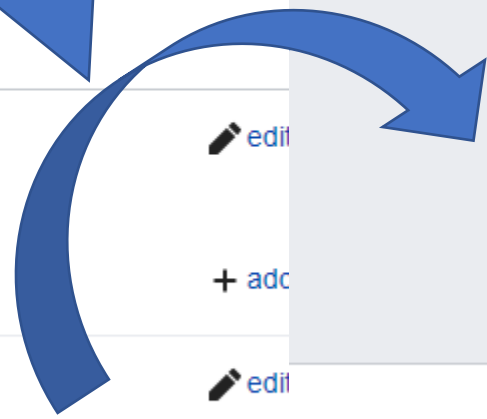
 edit

+ add

 edit

+ add

+ add



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.

nhk.or.jp

「校則データベース」を開発する現役高校生 理不尽な校則がない社会へ
全国に3500ある高校の校則をデータベース化しWEB公開する現役高校生がい
る。情報公開請求を駆使して各教育委員会から校則を集め、ツイッターで集ま...

2:36 AM · Sep 4, 2022 · Twitter for iPad

39 Retweets 2 Quote Tweets 70 Likes

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

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!



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 research
→ Easier access, use and maintenance of the data

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

- Automatic alive monitoring

- Helping migrating, web archiving
cf. Dataverse, SUCHO

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.



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- My User-talk page on Wikidata about RsDA and Wikidata

https://www.wikidata.org/wiki/User_talk:KAMEDA,_Akihiro/RsDA