DCMI Virtual 2021 Panel: Cultural Metadata - For What Entities Are We Creating Metadata?

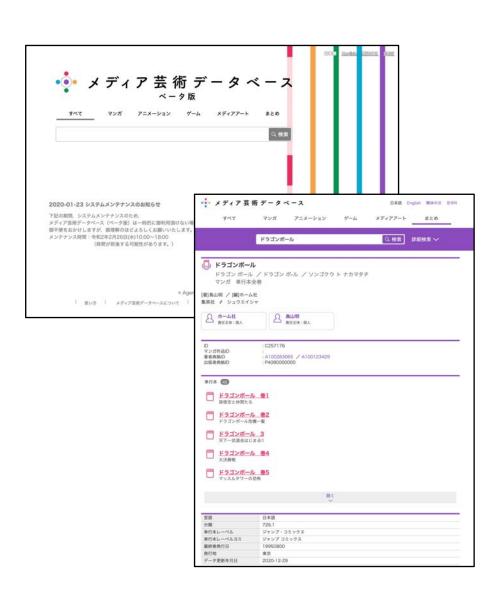


Self Introduction: Tetsuya Mihara

- Independent IT consultant, engineer
- Manga editor
- Researcher
 - Former position: Assistant professor, Faculty of Library, Information and Media Science, University of Tsukuba
- Join the Media-Art Database project since 2013
 - as a specialist about MAG metadata and information system
- Research Interest: Metadata for Manga
 - Linked Open Data, semantic Web, digital archives, digital humanities

Media Art Database (メディア芸術データベース, MADB) https://mediaarts-db.bunka.go.jp/

- The unique national database for Media Arts produced in Japan
- Consists of 4 category for representative media of Media Art
 - Manga
 - Animation
 - Video game
 - New media art
- Collect data to cover information of Media Art produced in Japan
 - Bibliographies about over 480 thousand Manga books and magazines, 9 thousand Anime series, 48 thousand video game titles are recorded



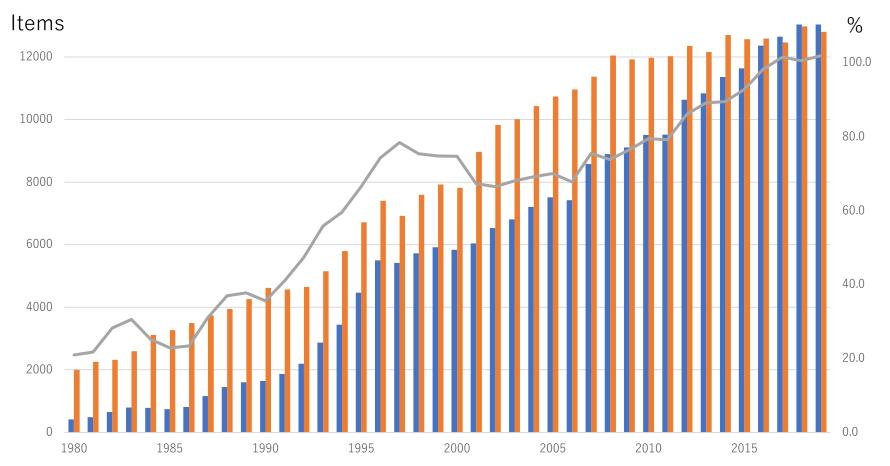
The Challenge of MADB Project

- Media Art resources are less collected and archived
 - They were not considered worth collecting archiving formally until 25~30 years ago

- The Concept of "Media Art" is quite vague and diverse
 - The term is defined by the law "Basic Act for the Promotion of Culture and the Arts" (文化芸術振興基本法) enforced in 2001
 - nearly equal to "MAG/ACG + pop culture + pop art + digital art"

- Connect collections about Media Art resources
 - Database development started to **gather cataloging records of libraries and museums** which have Media Art collections

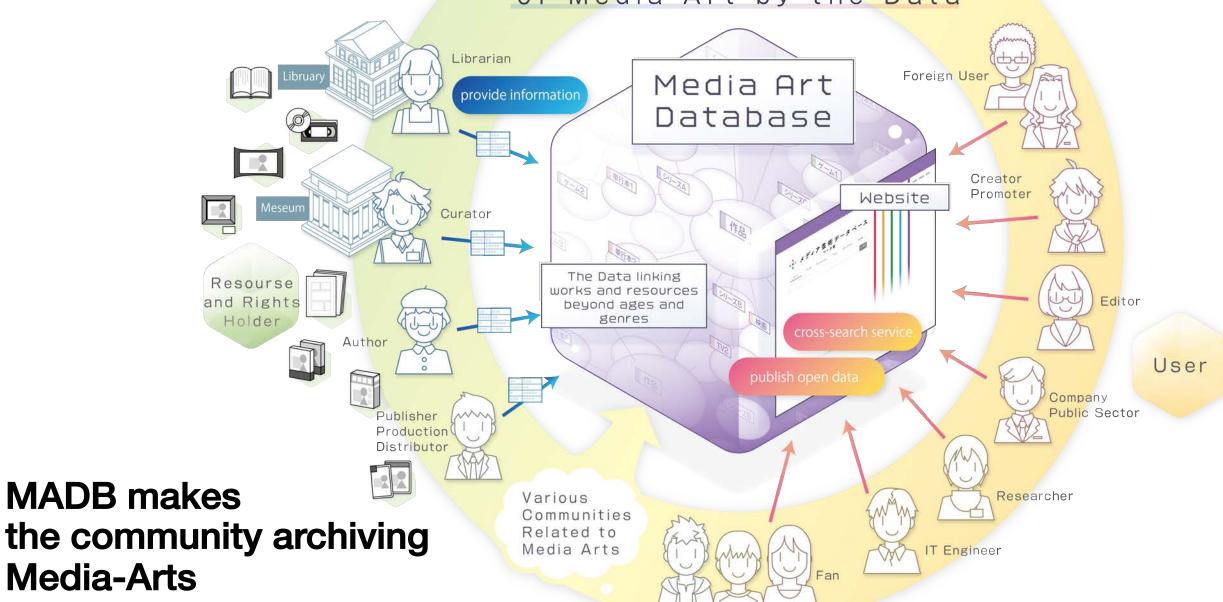
The ratio of collected manga book by National Diet Library (NDL): 1980~2019



- Number of manga book published in each year : Data from 出版科学研究所「出版指標年報」(1980~2019)
- Number of Collected manga book by NDL :counted books with NDC「726.1 漫画.劇画.諷刺画」
 - The ratio: \blacksquare / \blacksquare × 100

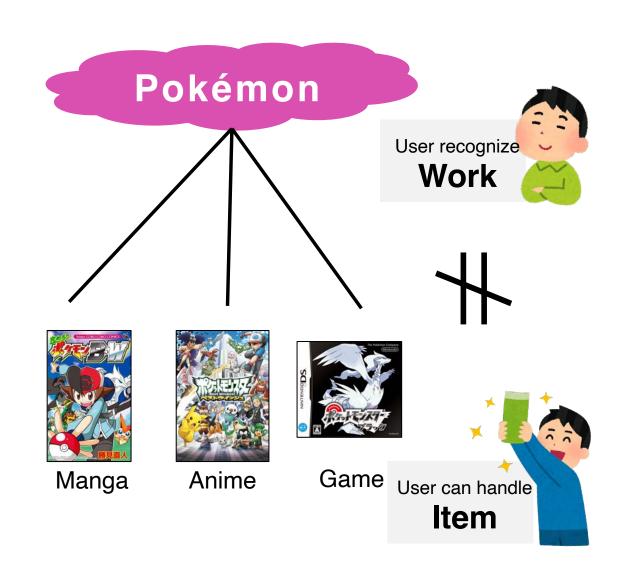
- About 60% manga books are collected by national memory institution
- Increase the ratio to over 80% to add collection of special library of manga
- Manga is the better case, others are worse...

Linking Archves and Comunities of Media Art by the Data

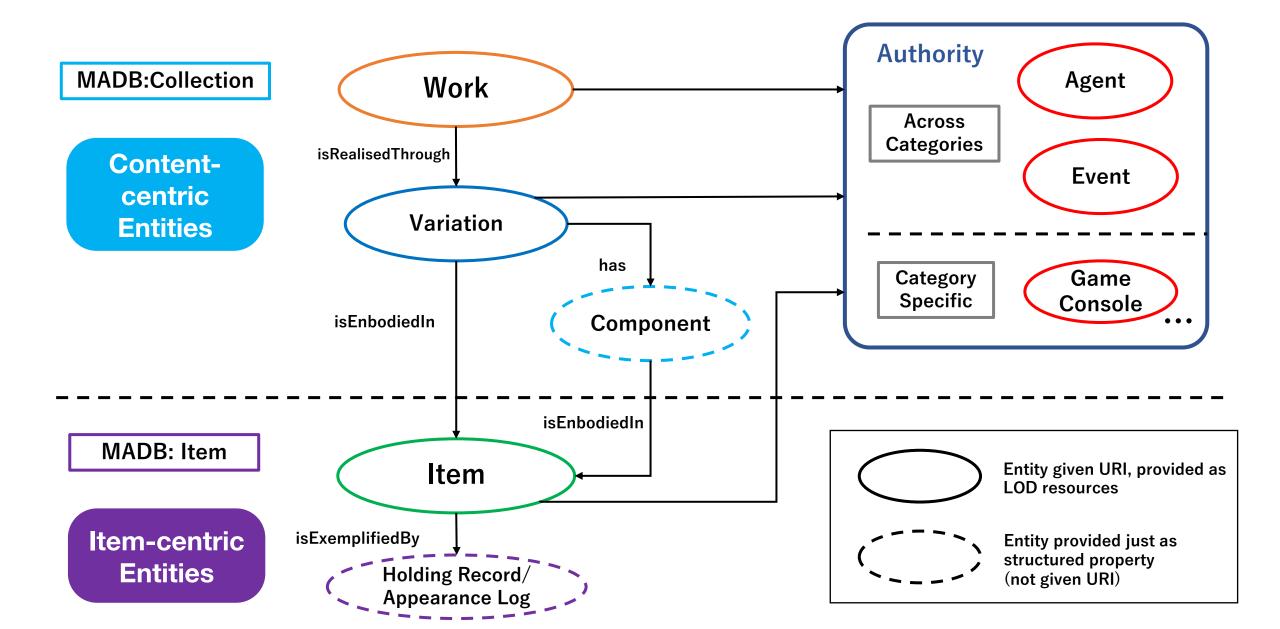


Item-centric VS Content-centric

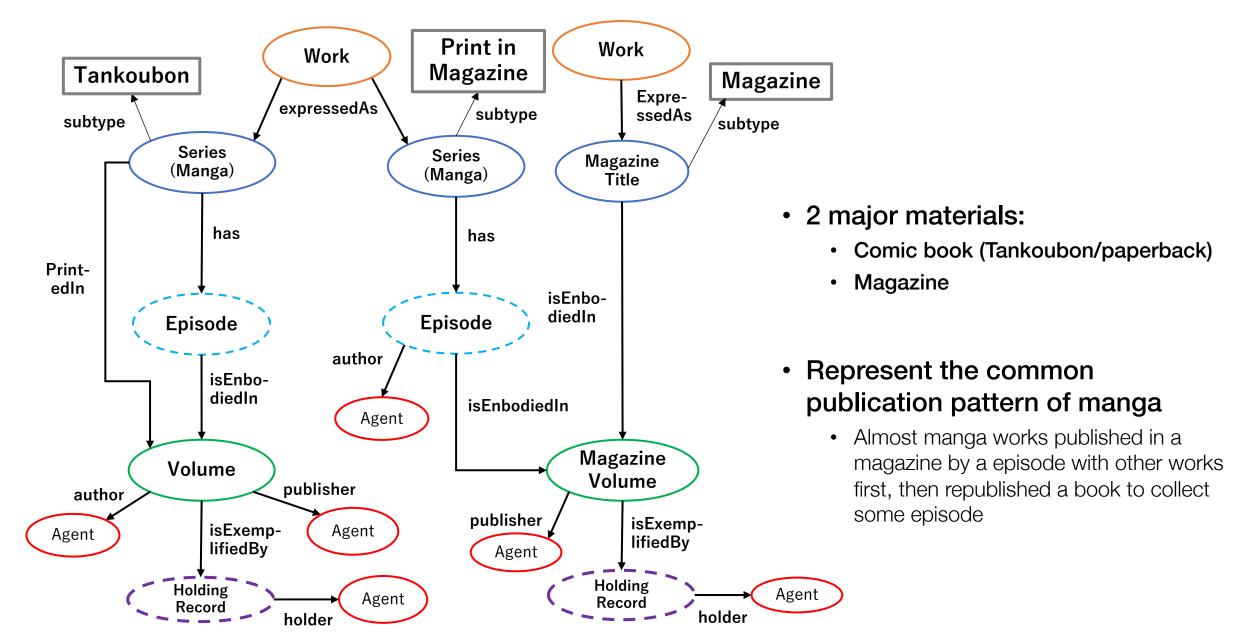
- Item-centric
 - The data from collection is mainly based on physical object
- Content-centric
 - Common interests of users focus on the content, narrative, and intellectual topics
 - Most typical: Work
 - FRBR, BIBFRAME...
 - e.g. articles of Wikipedia about Media Arts tend to be created based on work
- The data model of MADB has both aspect and link them



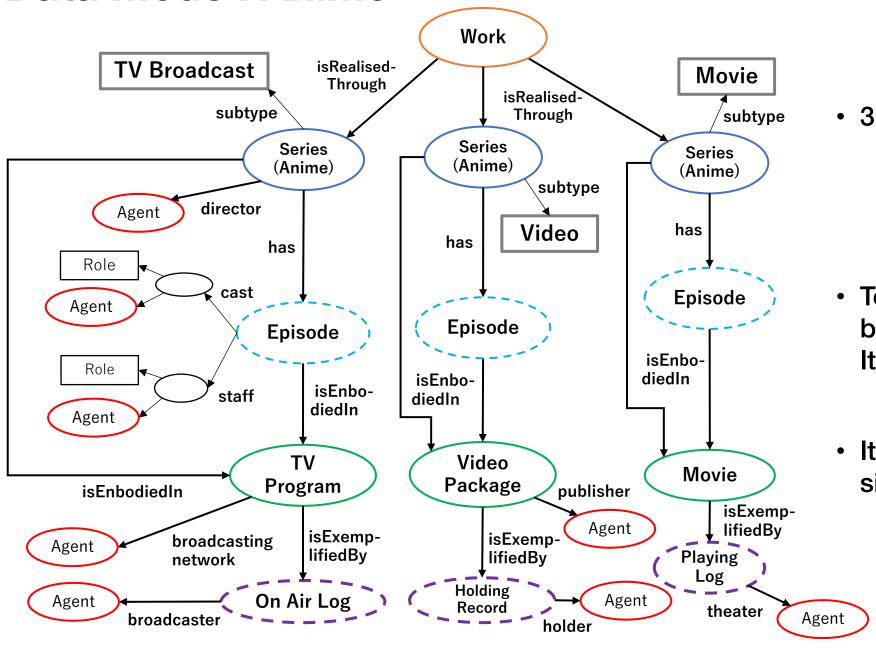
Structure of the MADB Abstract Metadata Model



Data Model: Manga

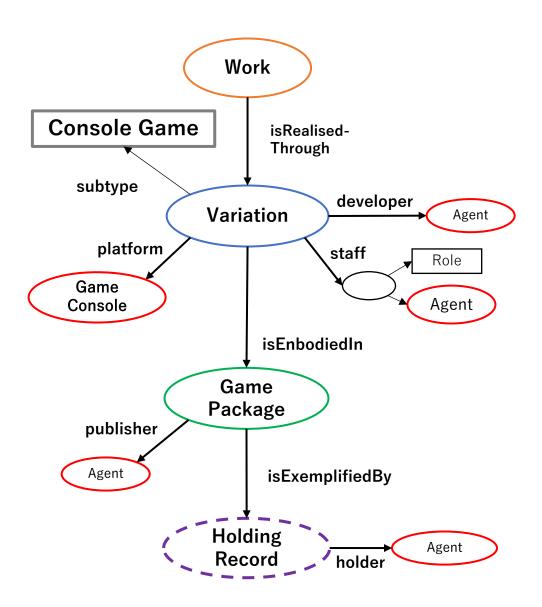


Data Model: Anime



- 3 major media:
 - TV broadcasting
 - Video package
 - Movie
- Temporal object (TV broadcasting / movie) VS Item (video package)
- Its publication pattern is similar to manga
 - Temporal object is republished by item

Data Model: Videogame



- Mainly focused on console game
 - Unfortunately MADB has less the data of arcade videogames and PC games
- Simpler than manga and anime
- A work of videogame has many variation for each platform (NES, PlayStation etc...)
 - Variation ≒ program
 - Some variations looks almost same, others are not
 - new graphics, add/reduce contents...

Discussion

- Metadata for Content-centric entities
 - Need the vocabulary
 - to describe the **relation of items by their content** (copy, remake, remaster, repacking etc...)
 - Collecting Web resources generated by users
- Digital Item (born digital)
 - Their appearance is more various than physical object
 - Easy to get metadata because it is well developed for the distribution on the web
- Data Development
 - Data aggregation is always complex
 - Identification entities from various data source is sometime difficult