

The background of the slide features a repeating pattern of stylized, light purple leaves and branches. The leaves are simple, rounded shapes, and the branches are thin lines with small leaflets. The overall aesthetic is clean and modern, with a monochromatic color scheme.

Tohoku University's New Project "Convergence Knowledge Digital Archive"

Aiko Watanabe

Associate Expert,
User service section, Information Service Division

Tohoku University Main Library

Outline



1. Overview of Tohoku University & Library
2. New Project
Convergence Knowledge Digital Archive

1.1 Tohoku University



TOHOKU
UNIVERSITY



Library established in 1911
(Former Library built in 1925 is now used for University Archives.)

- **Founded in 1907**
the Philosophy of Open Doors
the Spirit of Research First
- **Number of Students**
Undergraduate Students: 11,000
Graduate Students: 7,000
International Students: 3,115
- **Faculty & Staff: 6,400**

1.2 Library



Main Library (Opened Nov. 1973)

Main Library and 4 branches

Books	4.2 million
E- Journals	14,000 titles
Items in the Repository	80,000 items
Items in the Digital Archive	Over 67,000 +830,000 frame counts

1.3 International Student Lu Xun



TOHOKU
UNIVERSITY



Lu Xun Lecture Hall

鲁迅 Lu Xun 1881-1936

was an international student
of pre-School of Medicine, 1904-1905.



1.4 Current Initiative of Library

The First Penguin for Transformative Agreement in Japan 2022

Contract with

- Wiley 2022-2024
- Springer Nature 2023-2025
- Elsevier 2024-2026

Subsidize APC for Wiley, S/N, High IF Journals especially for Younger Researchers

1. Overview of Tohoku University & Library
2. New Project

Convergence Knowledge Digital Archive

1. Current Situation and Issues
2. New System
3. Road Map
4. Contents of First Stage
5. Development in the Second stage
6. Steering team

2.New Project



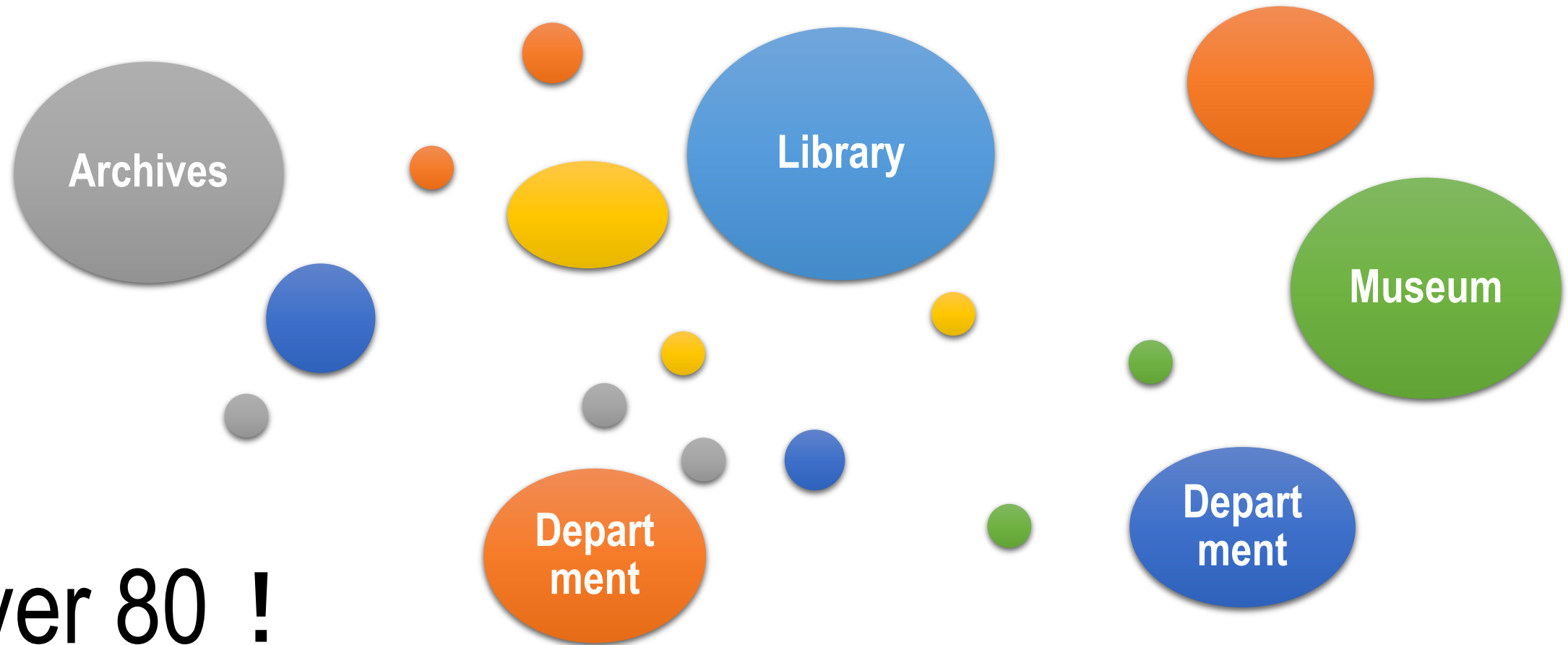
Convergence Knowledge Digital Archive

will launch in SPRING 2024.



2.1 Current Situation and Issues

Individual Databases on Campus



Over 80 !



2.2 New System

Convergence Knowledge Digital Archive



Library



Archives



Museum



Department



Department

- Comprehensive and Large-Scale Resources for Rresearch and Education
 - Utilized for Data-Driven Humanities
- ➔ Promotion of Integrated Knowledge that Fuses the Humanities and Science.



Convergence Knowledge Digital Archive

Library

Archives

Museum

Department

Dept. A

Dept. B

Dept. C

Web Site

Search

Link to each DB

Virtual Exhibition

Image server

Database server

International standard technique



Multilingual interface
Download by works

Search on a Single Webpage

System Linkage for visibility

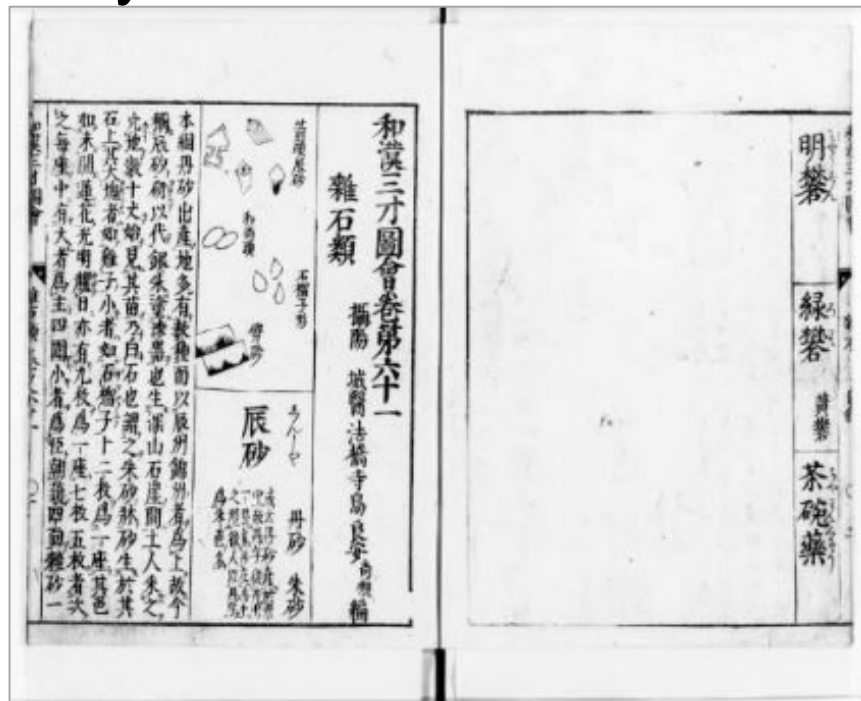
JAPAN SEARCH

NDL Search



Searching Ex. 辰砂 Cinnabar

Library Contents



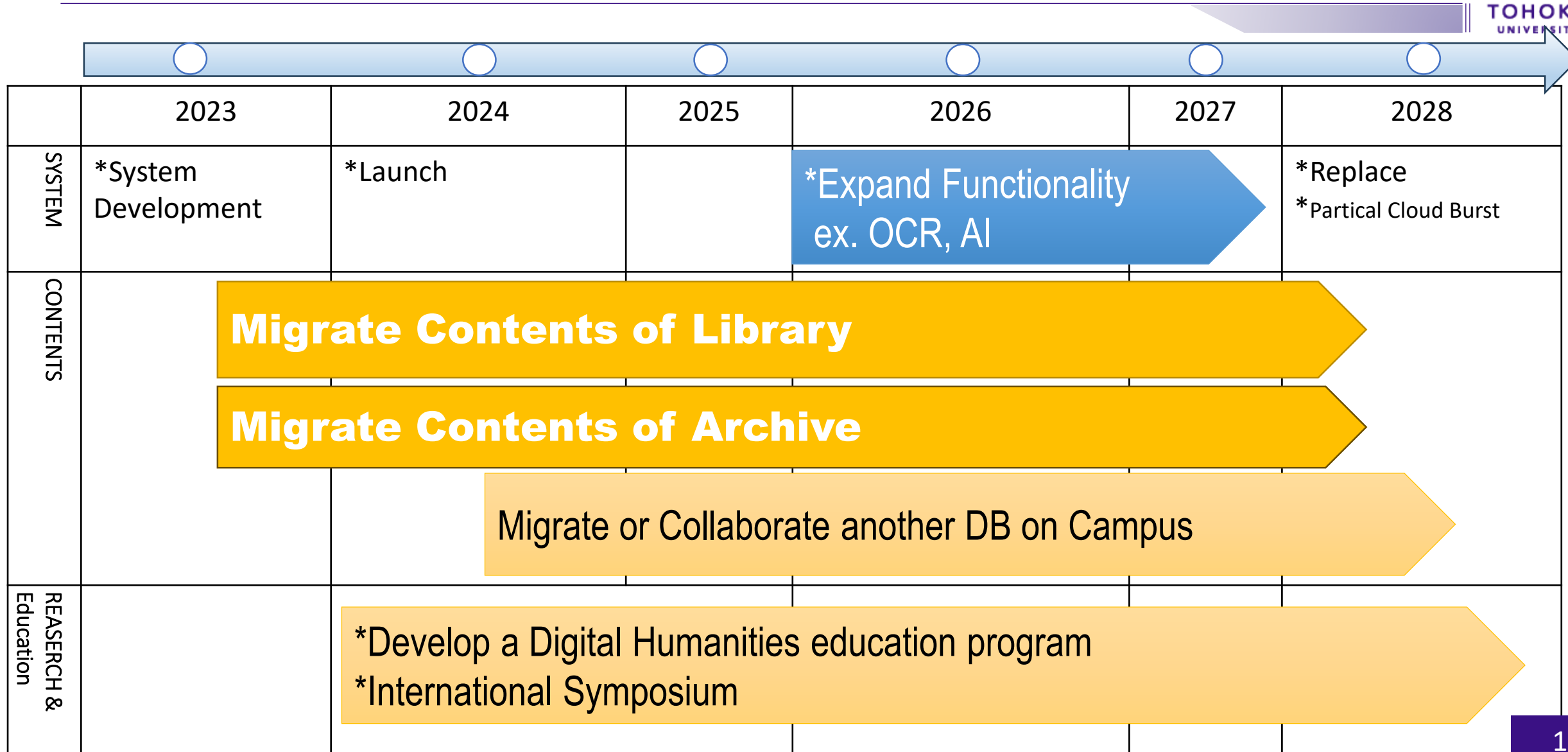
Wakan sansai zue 『和漢三才圖會』 Frame 1508
<https://kokusho.nijl.ac.jp/biblio/100366093/>
<https://doi.org/10.20730/100366093>

Museum Contents



The Tohoku University Museum Collection
 Cinnabar 辰砂
http://webdb2.museum.tohoku.ac.jp/data_base/mineral/koubutu/mineraldb/index02.html

2.3 Road Map



2.4 Contents of First Stage

① Representative Library Collections



TOHOKU
UNIVERSITY



Kano Collection

Kokichi Kano 1865-1942

Educator & Bibliographer

Acq.1912-1934

200,000 volumes of books of all fields of Edo (17-19 c. Japan).

Include 2 pieces of National Treasure.



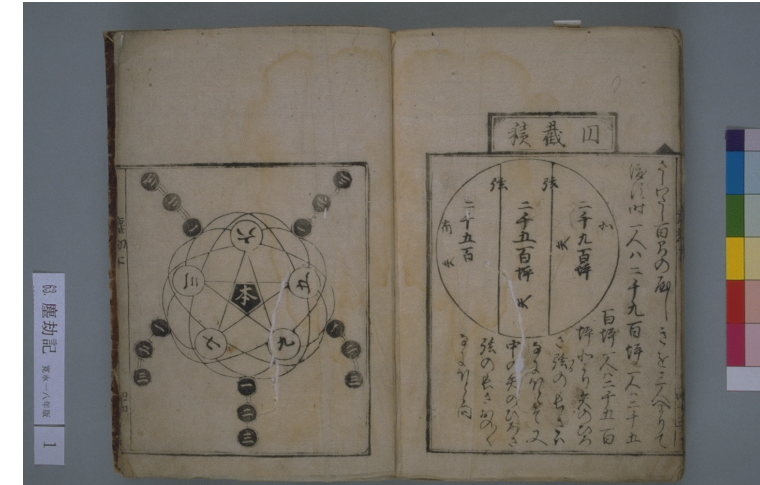
Soseki Collection

Soseki Natsume 1898-1916

Novelist

Acq.1943-1944

3,000 volumes of books written by him and self-written manuscripts.



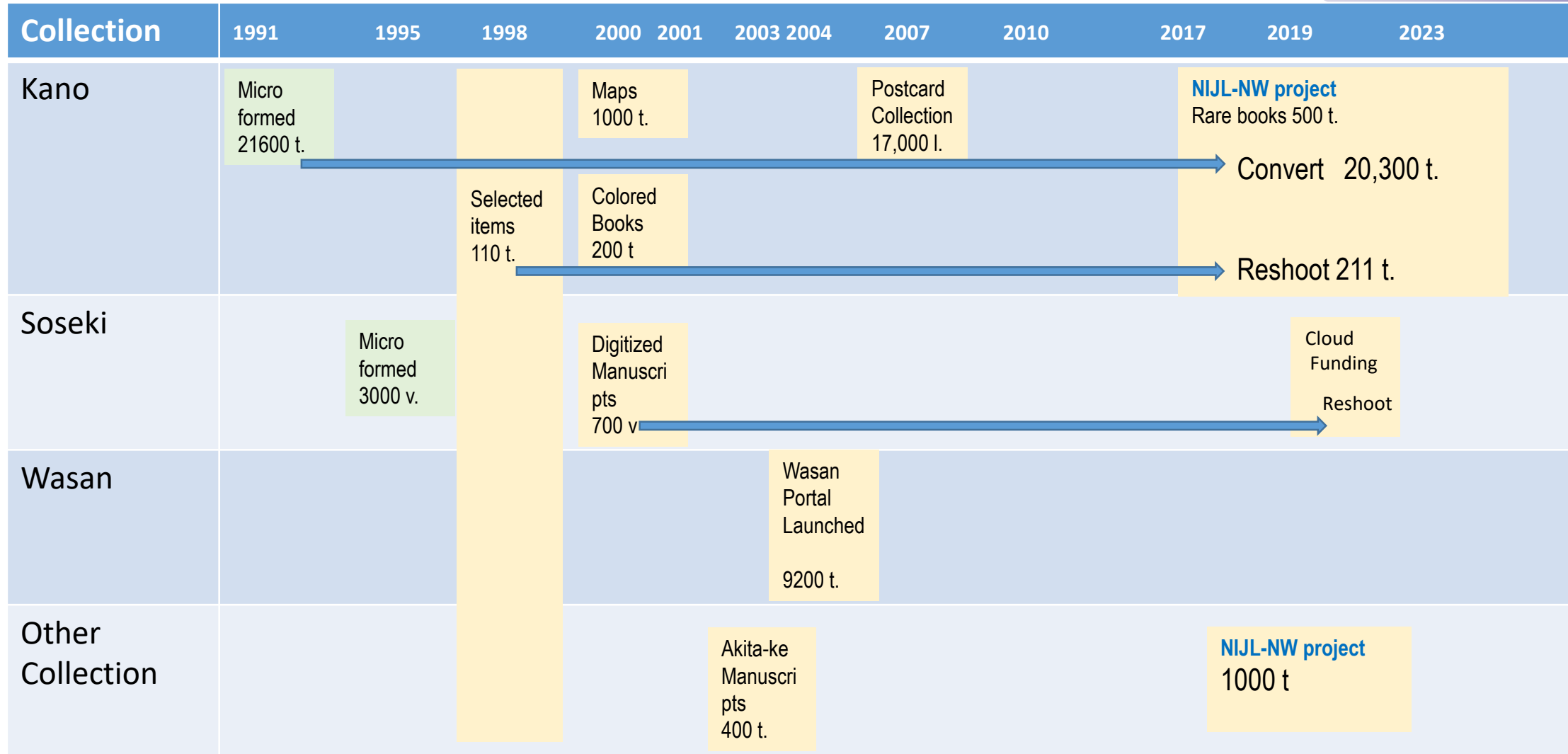
Wasan Collection

Acq.1979

mainly collected 1911-1968

12,000 volumes of Books of Japanese Mathematics developed in 17-19c.

Library Digitization Chronicle



Refer to

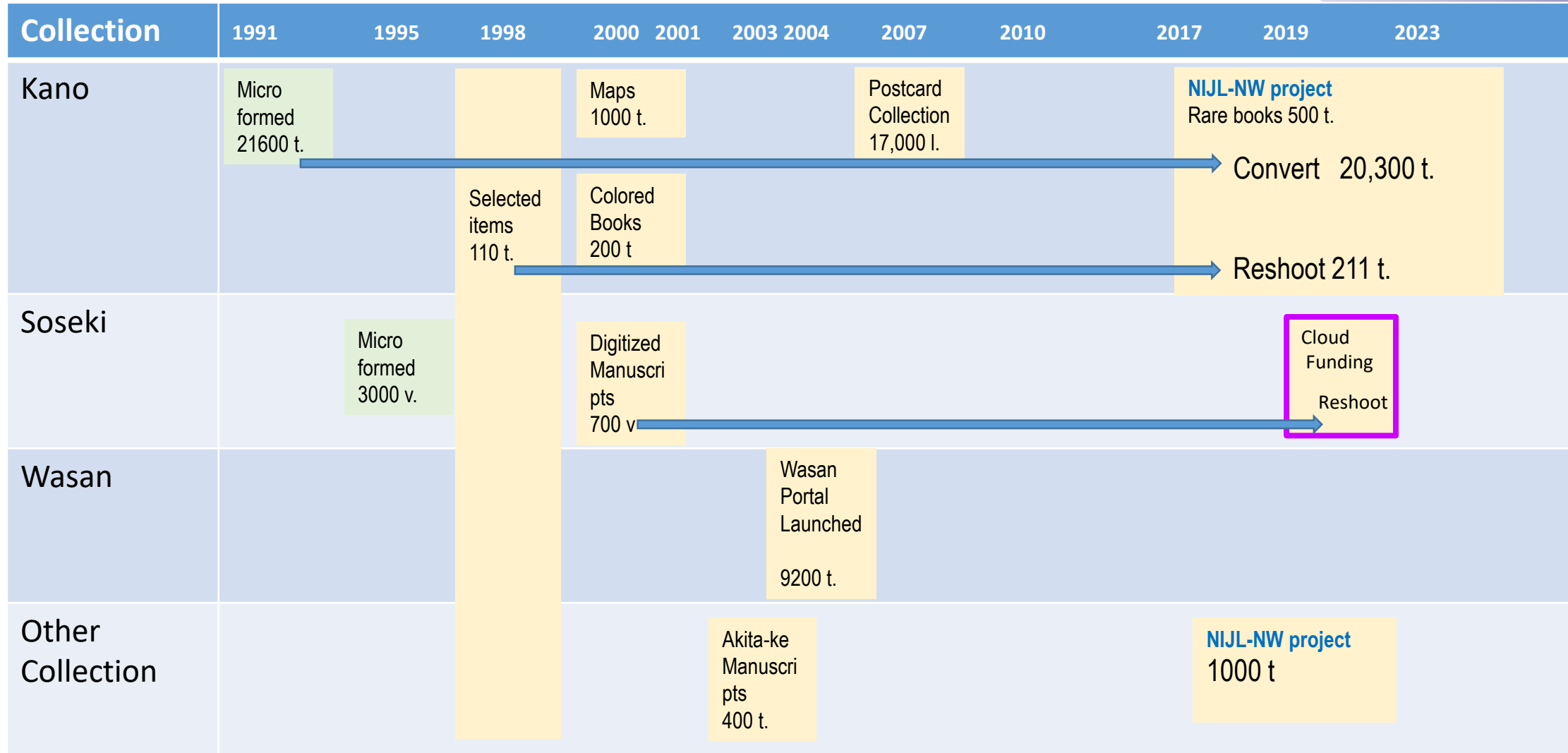
Digitization strategy of Tohoku University Library and
collaboration with the NIJL-NW project

YOSHINAO KIKUCHI

2019 PRRLA Meeting, SEOUL Sep. 1st-4th 2019

Ref. <https://pr-rla.org/pdfs/2019/presentations/yoshinao-kikuchi.pdf>

Digitization Recently



Cloud funding for Digitization of Soseki Collection 2019

READYFOR キーワードでさがす クラウドファンディングとは プロジェクトを掲載する ログイン・新規登録

寄付金控除型 #宮城県 #地域 #本・漫画・写真 #寄付金控除型 #歴史 #図書館 #大学

漱石の肉筆を後世へ！漱石文庫デジタルアーカイブプロジェクト

東北大学附属図書館



寄付総額
4,687,000円 目標金額 2,000,000円

寄付者 217人 募集終了日 2019年12月26日

フォローする

プロジェクトは成立しました！

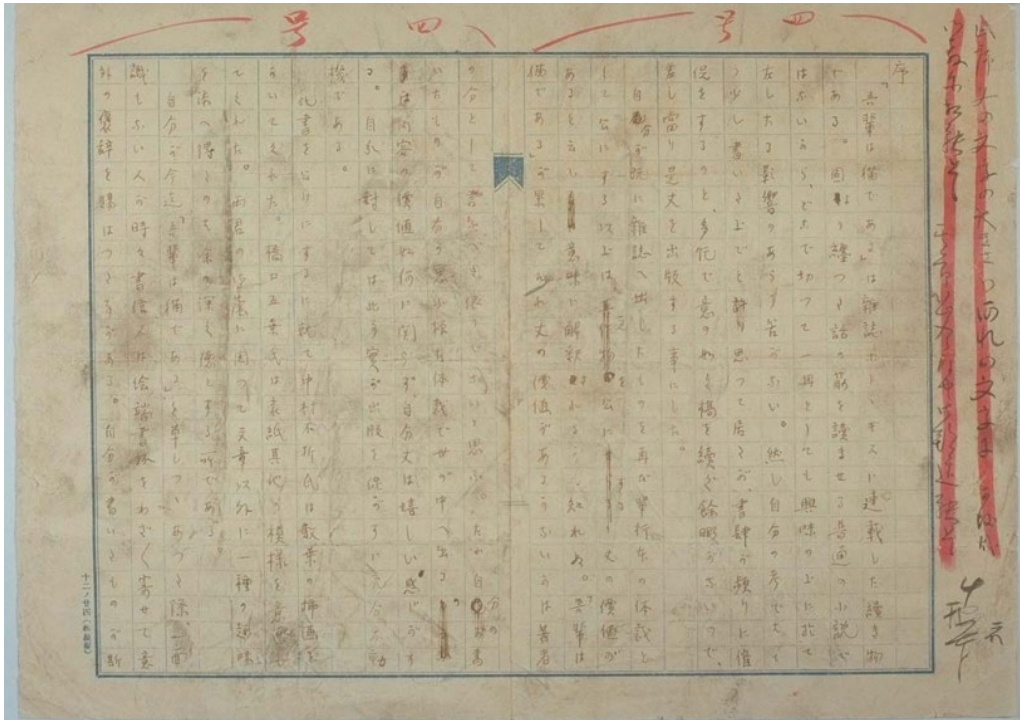
終了報告を読む

<https://readyfor.jp/projects/...> コピー

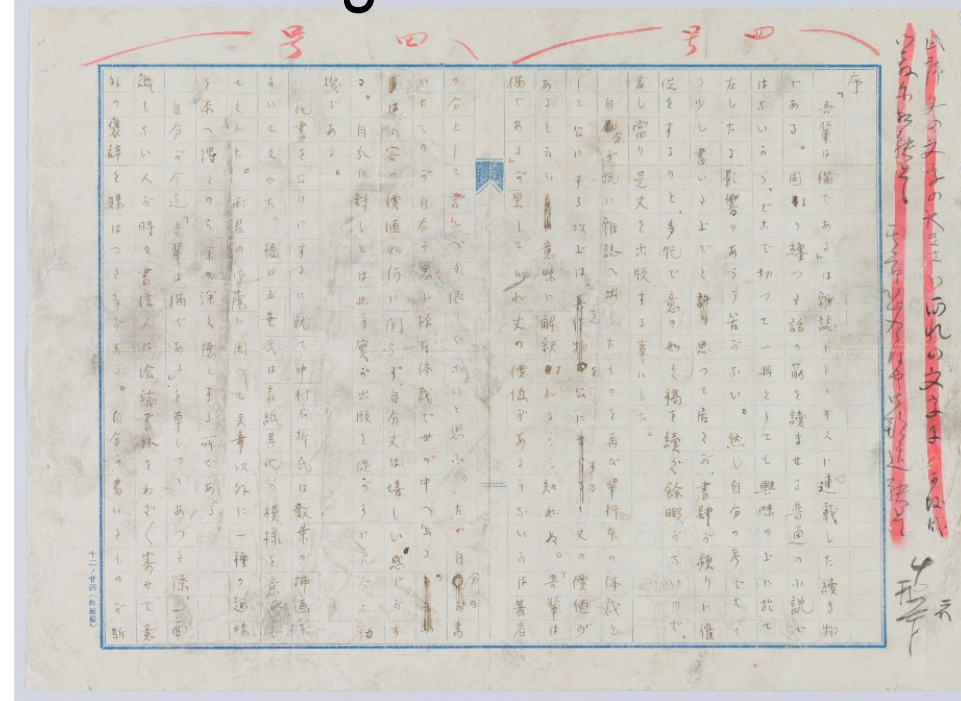
専用URLを使うと、あなたのシェアによってこのプロジェクトに何人訪れているかを確認できます

Donated
over \$42,800
Doubled the target amount
Digitized 800 items

Low resolution



Re-shooting



Manuscript of the preface of “Wagahai wa Neko de aru (I am a Cat.)” 『吾輩は猫である』 1905.

2.4 Contents of the First Stage

② Archive Collection: Student Movements in Japan

Long 1960s Project

Collaboration between

International Graduate Program in Japanese Studies of Tohoku University
& Sapienza University of Rome

Japan



Access



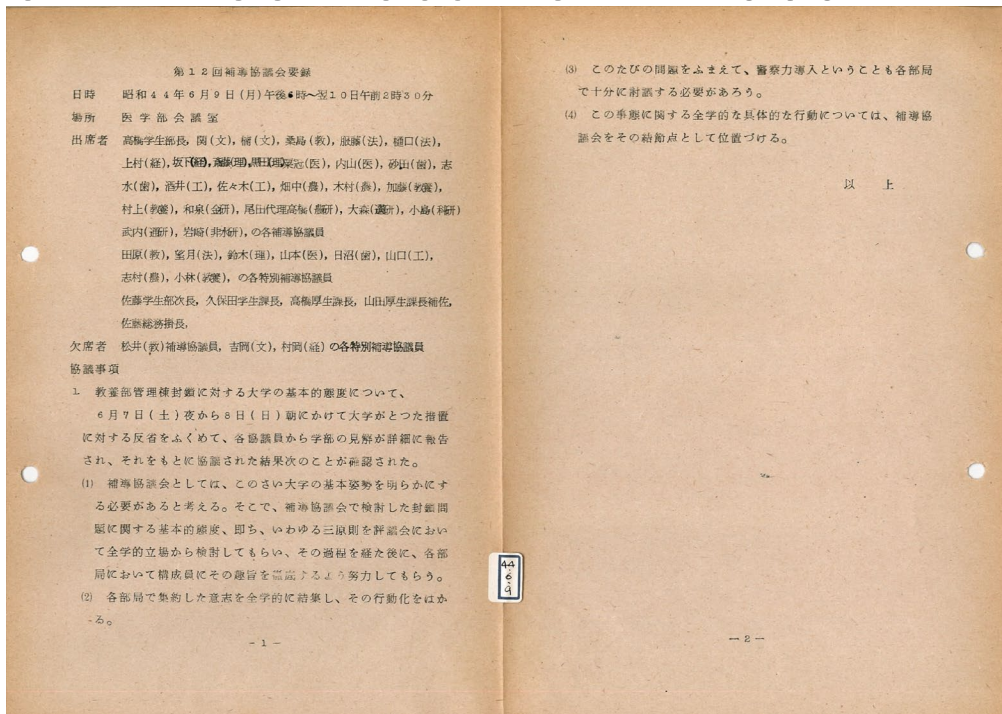
Italy

Materials of
Student Movements
80,000 v.

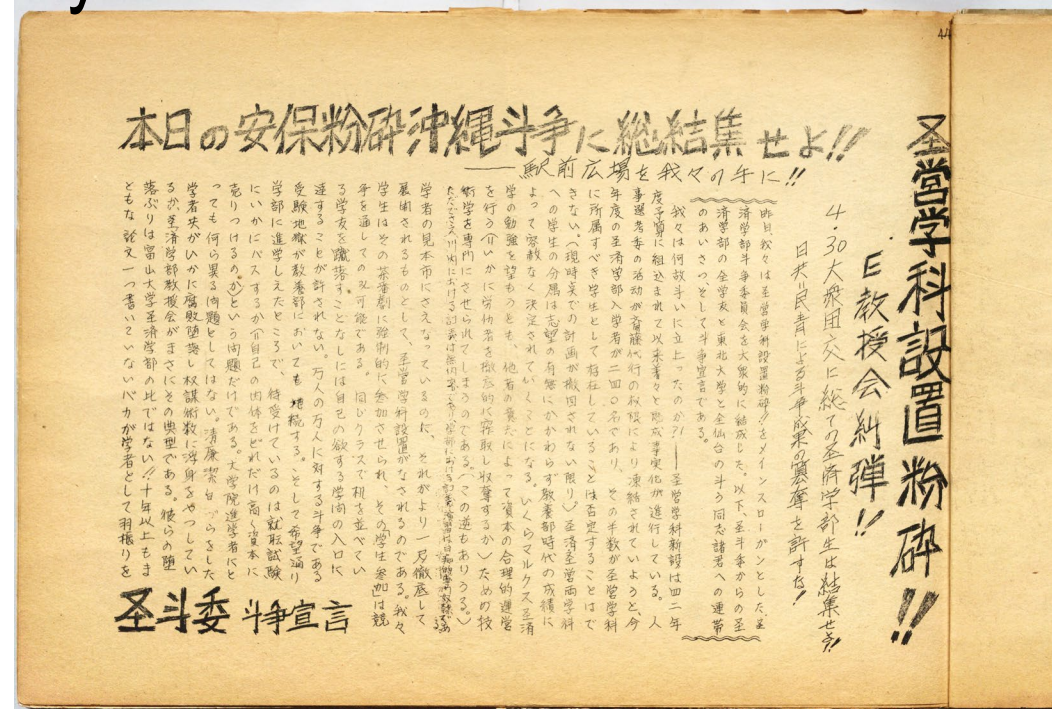
- Training of Young Researchers
- Research for Digital Humanities



Committee Document 1969



Flyer 1969

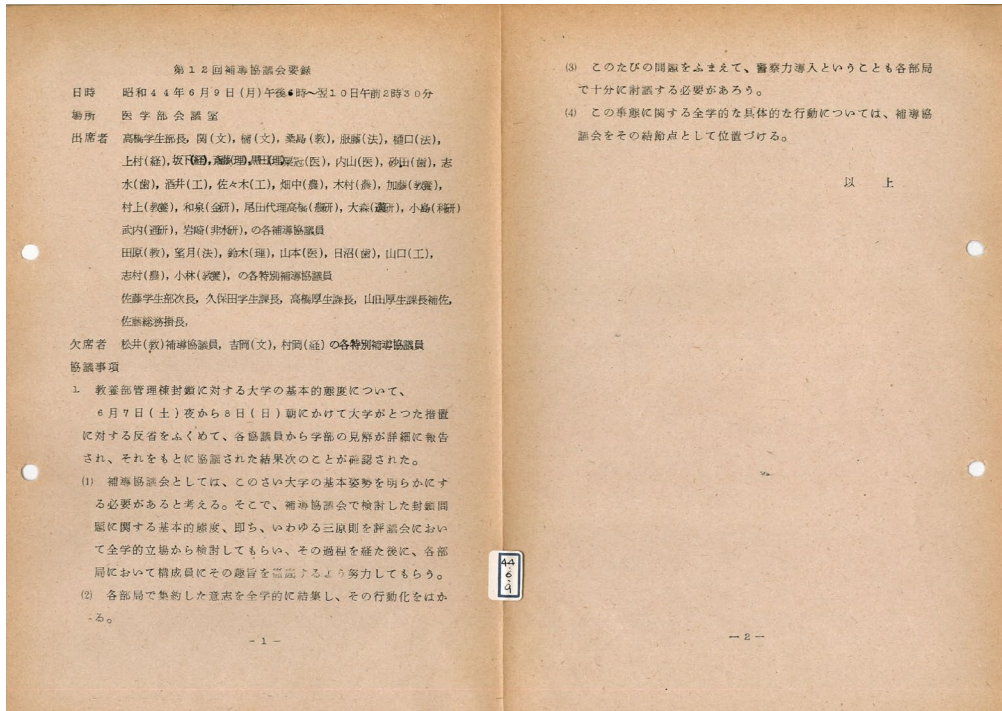


2.5 Development in the Second Stage

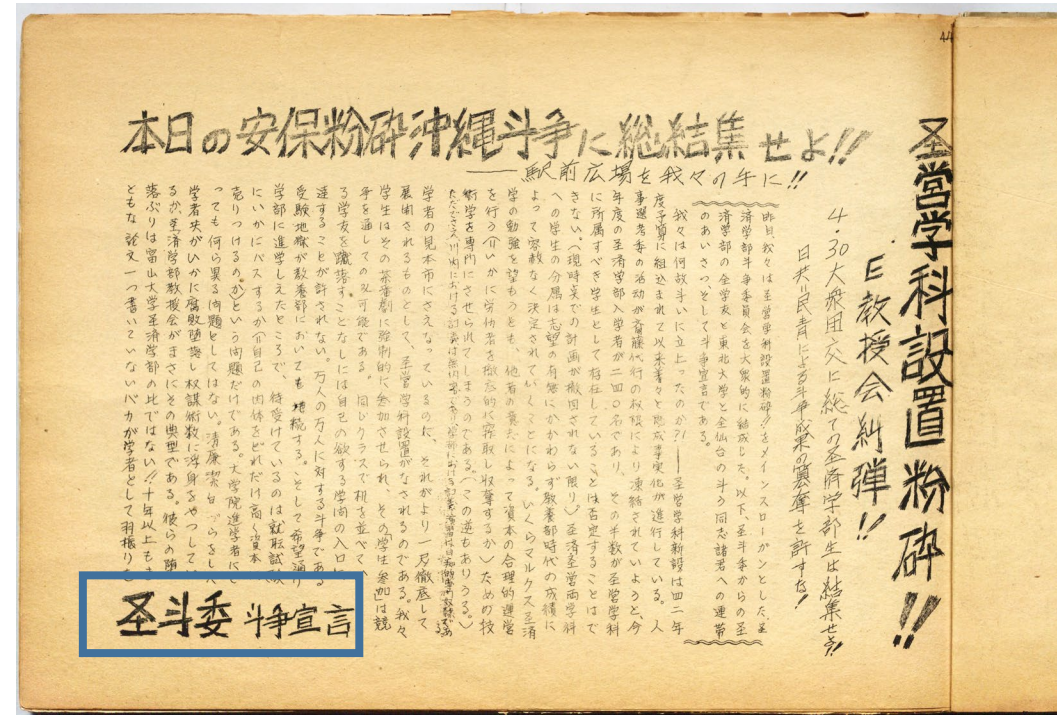
OCR, Image Search & AI



Typewritten ⇒ OCR



Mineograph ⇒ Image Search



経斗委斗争宣言

“Ishitsu Soshi” 異疾草紙 Diseases and Deformities

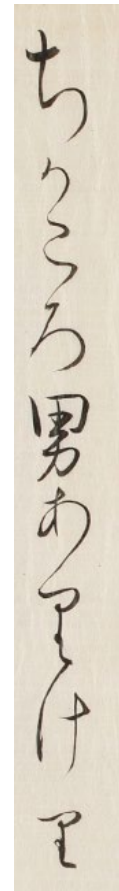


Image Search



AI translate

ちかころ男ありけり

Tohoku University Medical Library
<https://www.library.med.tohoku.ac.jp/collection/d-lib/yamainososhi/ks-1/ks-1-html/THML-00001-00021.html>

2.6 Steering team!



Convergence Knowledge Digital Archive



Graduate School of
Arts and Letters



Library



Graduate School of
Arts and Letters



Center for Northeast
Asian Studies



The Center for Academic
Resources Archives



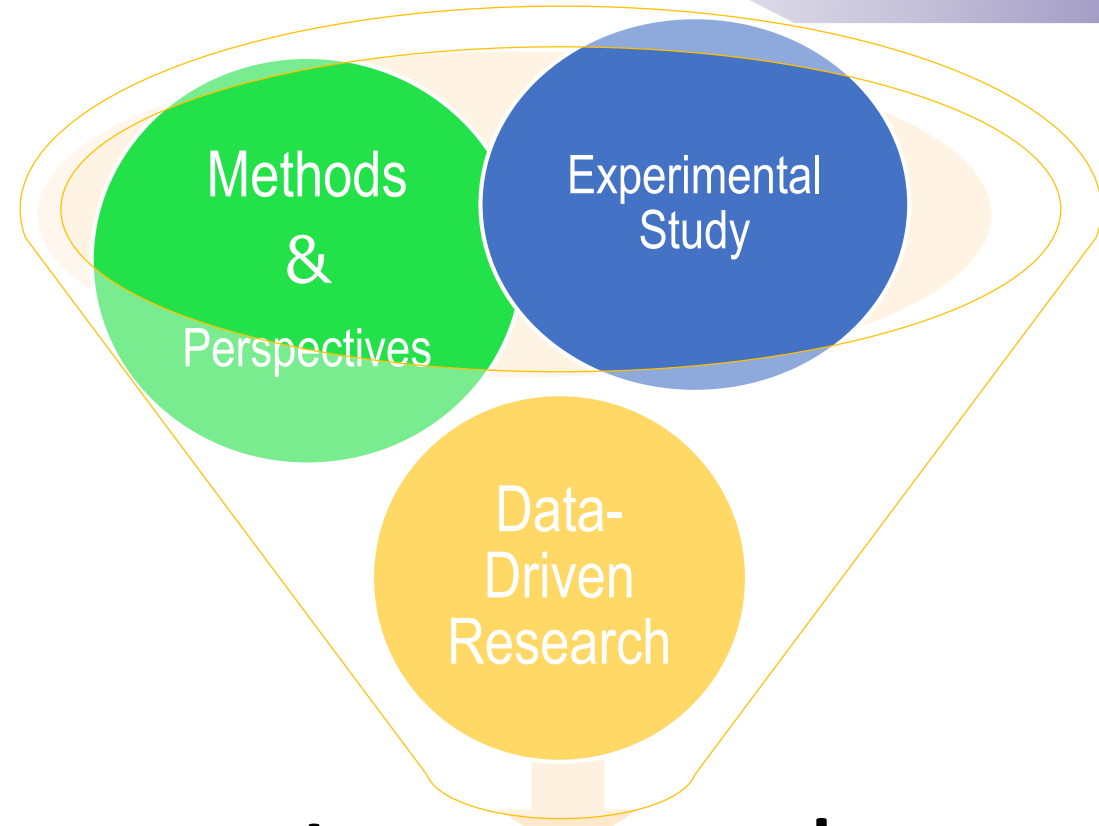
Archives



The First Achievement !

Center for Integrated Japanese Studies

2023.10



Integrated Japanese Studies

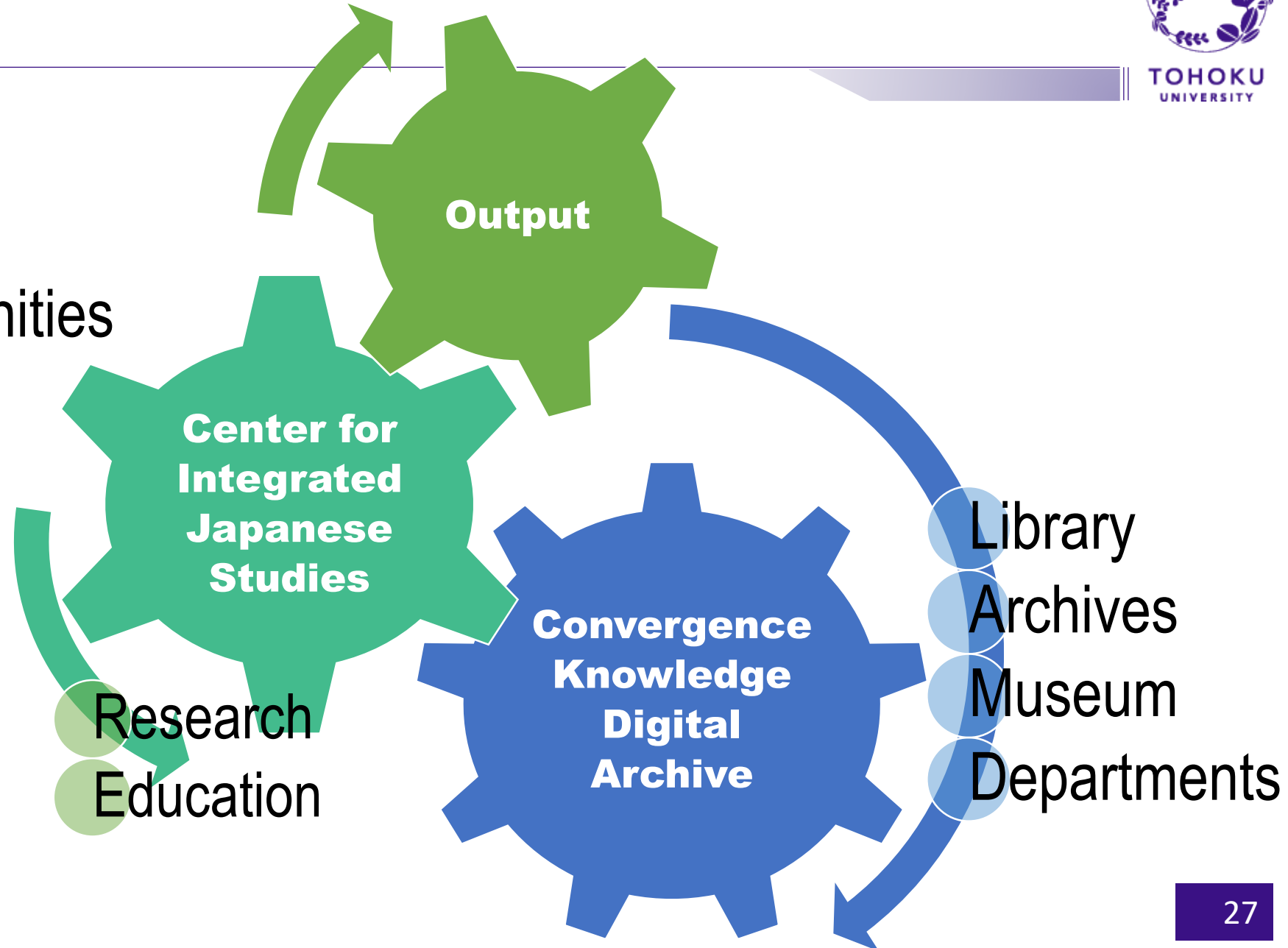


Convergence Knowledge Digital Archive



Utilization

- Research Source
- Data-Driven Humanities
- Data Analytics
- Exhibition
- etc.



A Part of the University's Mission

Tohoku University is the Only Candidate Currently on MEXT's
"University for International Research Excellence" Shortlist Sept.1st 2023

University for International Research Excellence

Education

Open Knowledge
Action Platforms

Research

Disaster Science

Co-creation
with Society

Sustainability

Nihon-gaku

New Project will Contribute to
Open Knowledge Action Platforms

Further Information

https://www.tohoku.ac.jp/en/news/images/135_university_for_international_research_excellence.pdf

Whole Tohoku University's Academic Resources to the Public



Library



Archives



Museum



Department



Department

- Comprehensive and Large Scale Resources for Research and Education
- Utilized for Data-Driven Humanities
- ➔ Promotion of Integrated Knowledge that Fuses the Humanities and Science.



Thank you

<https://www.library.tohoku.ac.jp/en/>