Film Cycle Project

Learning about Japan through Digital Archive Technology

Tokushima University

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Film Cycle is a design project that aims to make an effective cycle of personal media, using ‘old’ and personal footage that includes 8mm films and various photos taken in the 20th century.

Using digital technology to display these media in a cohesive sequence, personal and collective stories play important roles to establish new media which weaves next narratives to be shared within and beyond communities.

We examined how to preserve and reuse personal media for contributing to a world of empathy through learning about Japan.

Ikegawa, Sahara, Matsumoto (2018)

7 Update the database with collected stories

6 Gathering another stories from the community through the event.

Interact/Unite/Produce/Exhibit within community contexts

5 Exhibition: Hold film return event.

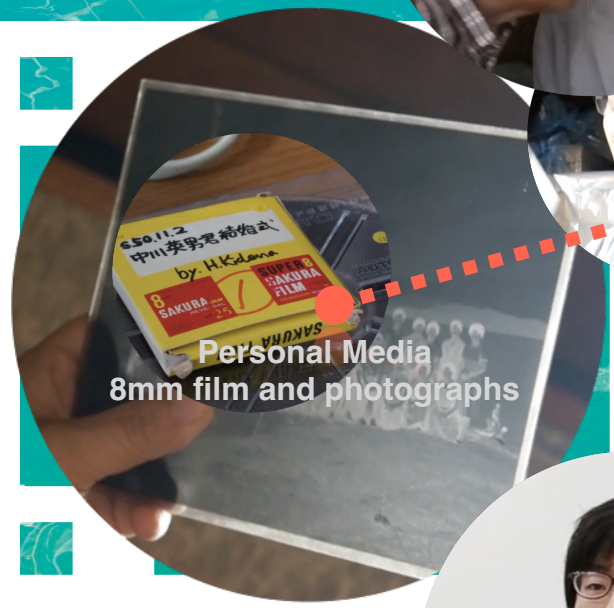
High School or University Students

KEY TARGET GROUP for community development

4 Colorization as for activating memories

Story collection from the film owner

3 Digitalization
Making database



Disappearing

2 Feedback

Collecting personal media and stories

University Students

Desire to gain skills for becoming community mediators

1 Distribute flyers to the target communities for collecting personal media through the news paper company and posting work

Elder People

Knowledge of the community's history

Effective cycle system of personal media

PERSONAL POV

Elder People

Knowledge of the community's history

Rise of Civic Pride

University Students

Desire to gain skills for becoming community mediators

Cultivate Mediator Skills

High Technology Skill
VR PROJECT

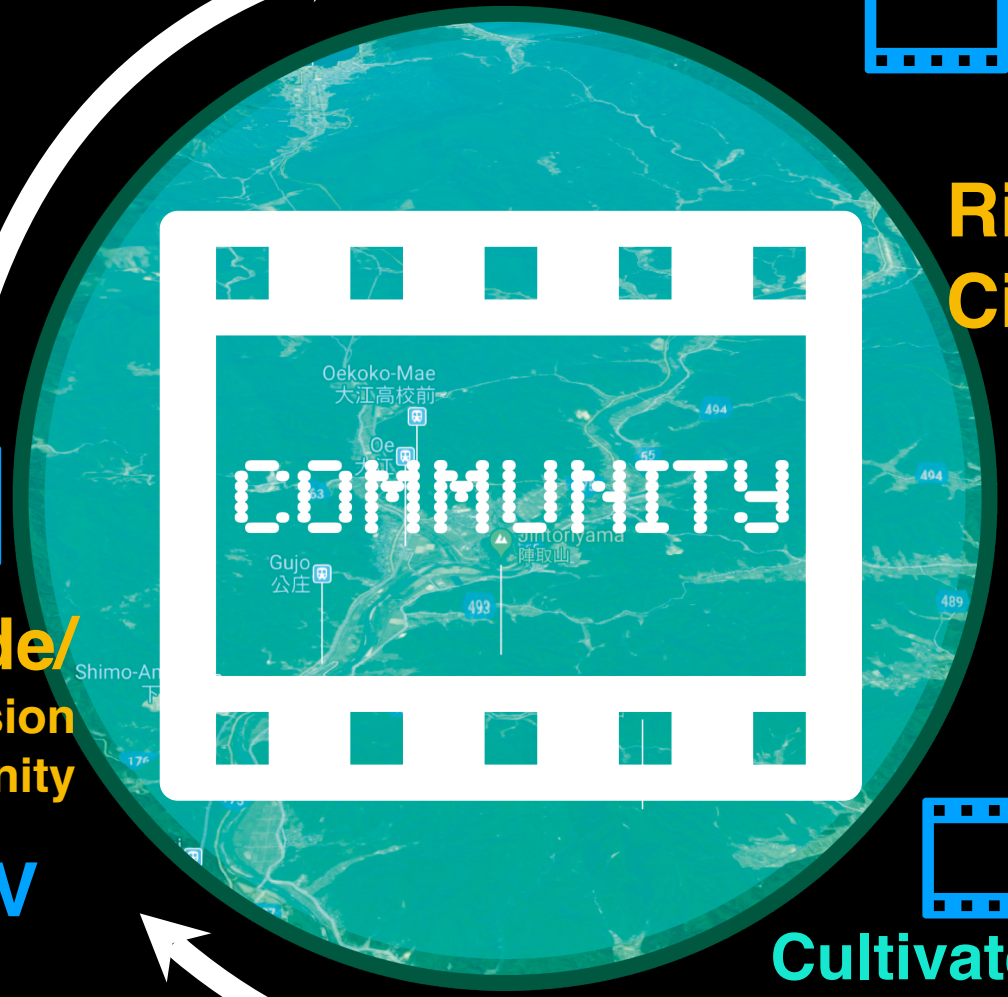
PUBLIC POV

Rise of Civic Pride/

Deeper Comprehension about our community

High School Or University Students

KEY TARGET GROUP
for community development



BACKGROUND THEME:

REALITY IS ONE OF THE IMPORTANT KEYS TO DEEPER COMPREHENSION

Television has become media which makes the audience consume even the cruelty of war.

Social reality has become a situation in which images are overflowing.

Kin Sakurai from NHK's media research center 2001

NHK=Japan Broadcasting Corporation

Aichi university of education
Mitsuru Fujie

It is important to perceive reality from an image through students' physical analogies by manipulating the image.

Fujie 1993

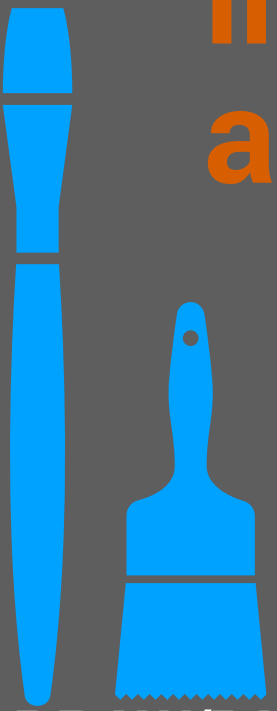
Means:

"Scratching"the image over and over

EDIT

MAGNIFY

SLOMOTION



DRAW/PAINT

REPEAT/

will raise reality

Start receiving reality from an digital image through students' physical analogies

Does it work?

Effectiveness of colorization for the sake of deeper comprehension

Colorized photographs might gives you a chance to activate the memory of personal stories more than black and white photographs.

According to our research.

Osamu Sahara, Il Hinako, Ikegawa Takayuki (2020)

Connecting an Art Class with Social Contexts through Image Media: Effectiveness of Photograph Colorization for Oral History Archiving,

Interviewing with B/W photo

Interviewee (Sonoko Kinjo from Okinawa age 85 Female 2017)

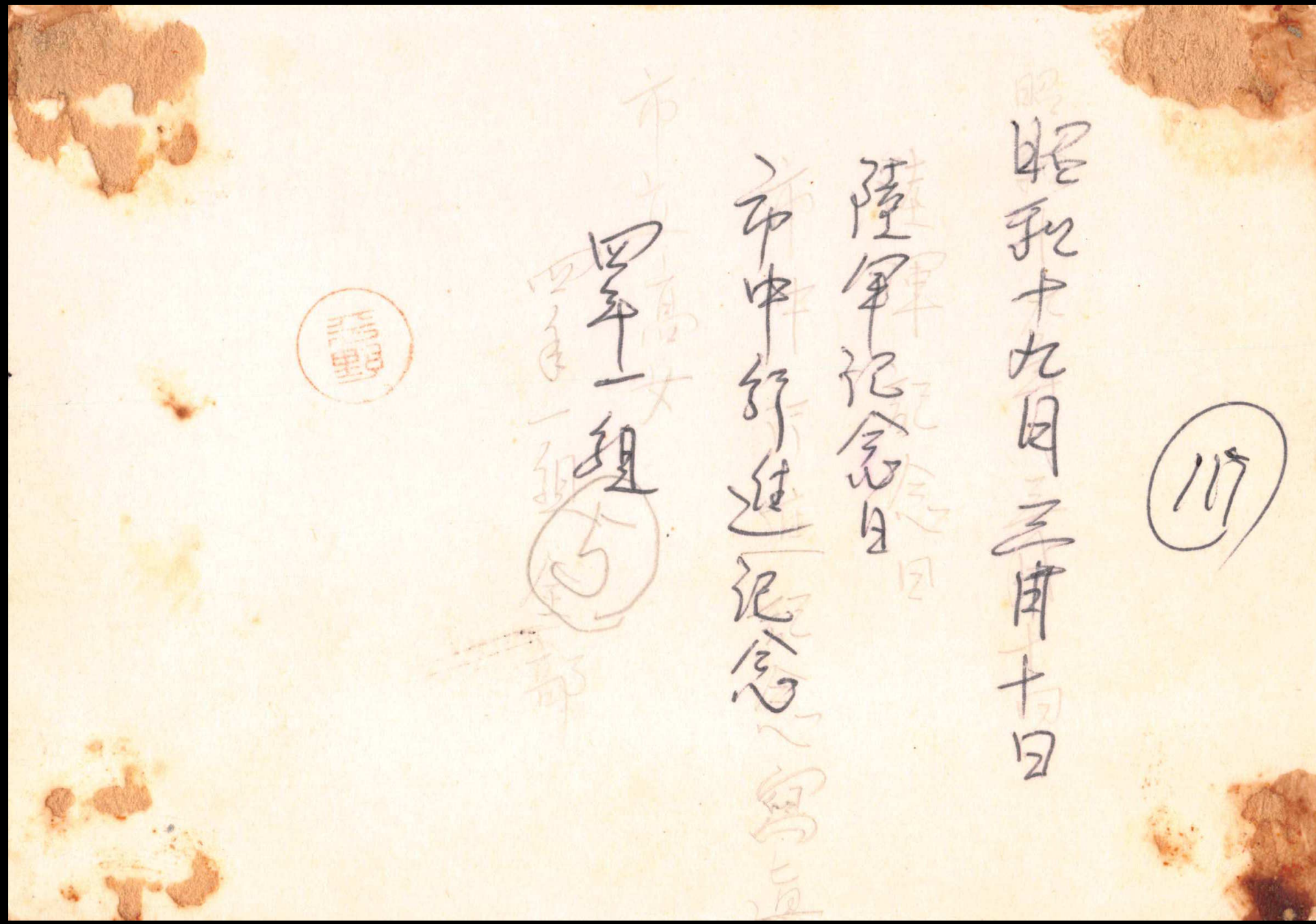
Interviewing with Colorized photo

Interviewee talked more about personal stories with colorized photograph.

Good materials making film cycle effective

Examples of some interesting photos

1944 Marching the city



MARCH 10, 1944:ARMY DAY
TOKUSHIMA MUNICIPAL
WOMAN'S HIGH SCHOOL
MARCHING THE CITY

Mr. Hirano, the owner of the photo, had no choice but to do it because she would be scolded by the military. She thought it was no good at all.

Photo Colorization Of Mis' Hirano

We could have collected Mis' Hirano's story the second from left.

She got joyful tears on her eyes when she saw this colorized photo.

Sputnik observation

Seems like they are observing the shadow of Sputnik crossing in front of the sun

Glass-plate photo negative from Kyoto Ooe town

Turned into positive

Colorized with Adobe Photoshop by handwork

COLORIZATION WILL GIVE YOU REALITY

Evaluation of a colorized photo from the interviewee

Text mining of interviewee's 2017 responses in talking about photo attributes

Moreover

Scent

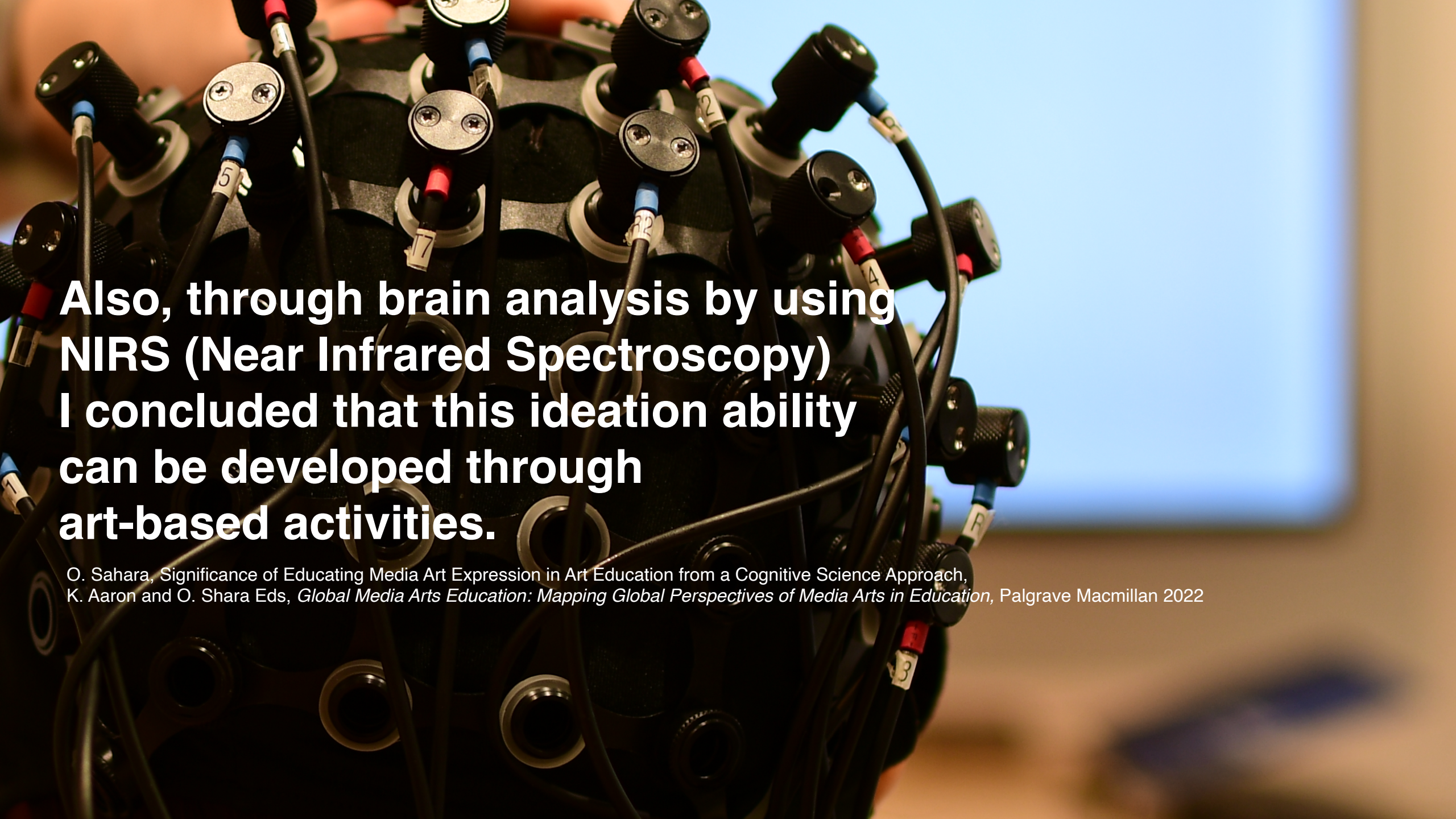
Sounds

Color

Tactile Sensation

While we colorize the photo, some student started to feel some kind of synesthesias perception

I defined this type of knowledge / ability as
V-TISK
Visually Triggered Ideated Somatic Knowledge



Also, through brain analysis by using NIRS (Near Infrared Spectroscopy) I concluded that this ideation ability can be developed through art-based activities.

O. Sahara, Significance of Educating Media Art Expression in Art Education from a Cognitive Science Approach, K. Aaron and O. Shara Eds, *Global Media Arts Education: Mapping Global Perspectives of Media Arts in Education,* Palgrave Macmillan 2022

In conclusion

Using art based activities through the digital archiving activity of the personal media will give participants a deeper comprehension of the reality of the media.

In this case, it facilitated deeper comprehension about the local community in Japan for the student participants. Further, they have done a meaningful thing and have contributed to their local society.

Future Goal

In addition to the interview work. AI’s contextualization ability is getting so powerful. By using those engine, we are planing to contextualize the 8mm film database.

So, our future goal is about to create a database that allows us to analyze past events via personal media. As it's like applying citizen journalism we do over social network services in this 21st century to the past.

フィルムサイクルプロジェクト
マッピング部門
Mapping work for the Film Cycle Project

マッピングの手順

How to create an 8mm film story map

1 フィルムの映像から手掛かりとなる地物を見つけ出し，デジタルマップ上で映像と位置をリンクさせていく。

Find a location related objects from the 8mm films, and link the objects with the location on a digital map.

2 その後，昭和初期と昭和後期に分けてマッピング。

Divide and map the 8mm films into the early Showa period and the late Showa period

3 興味深いフィルムについては詳細なストーリーマップを作成。

Create a detailed story map based on the important context of 8mm films for the community.

It is the collection of 8mm films taken during 1933-1937.

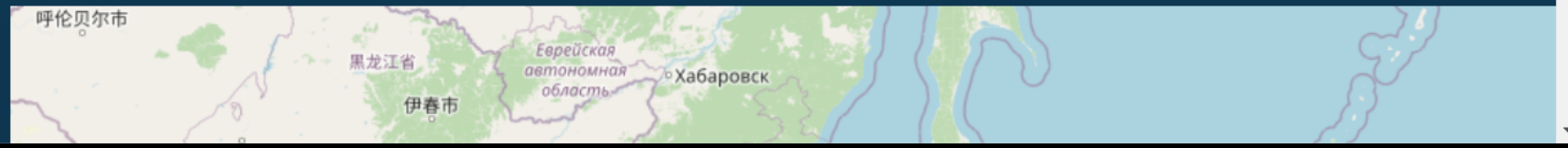
フィルムサイクルプロジェクト

昭和初期編

Film Cycle Projects

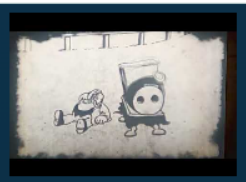
2022年9月30日

Latter half of the Showa Era (1926-1989)

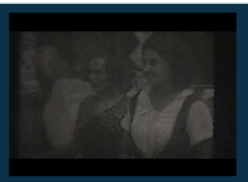


This is the result of all the works in the
“Film Cycle Project Early Showa Period” project.

フィルムサイクルプロジェクト


馬化汽車・むぐらの椋助・トーキー

飛行機に乗りて大阿藤り　研究所　昭...


昭和八年　七月ム八月撮影　満州　満...

高野山詣り根本大塔落成記念　奈良へ...

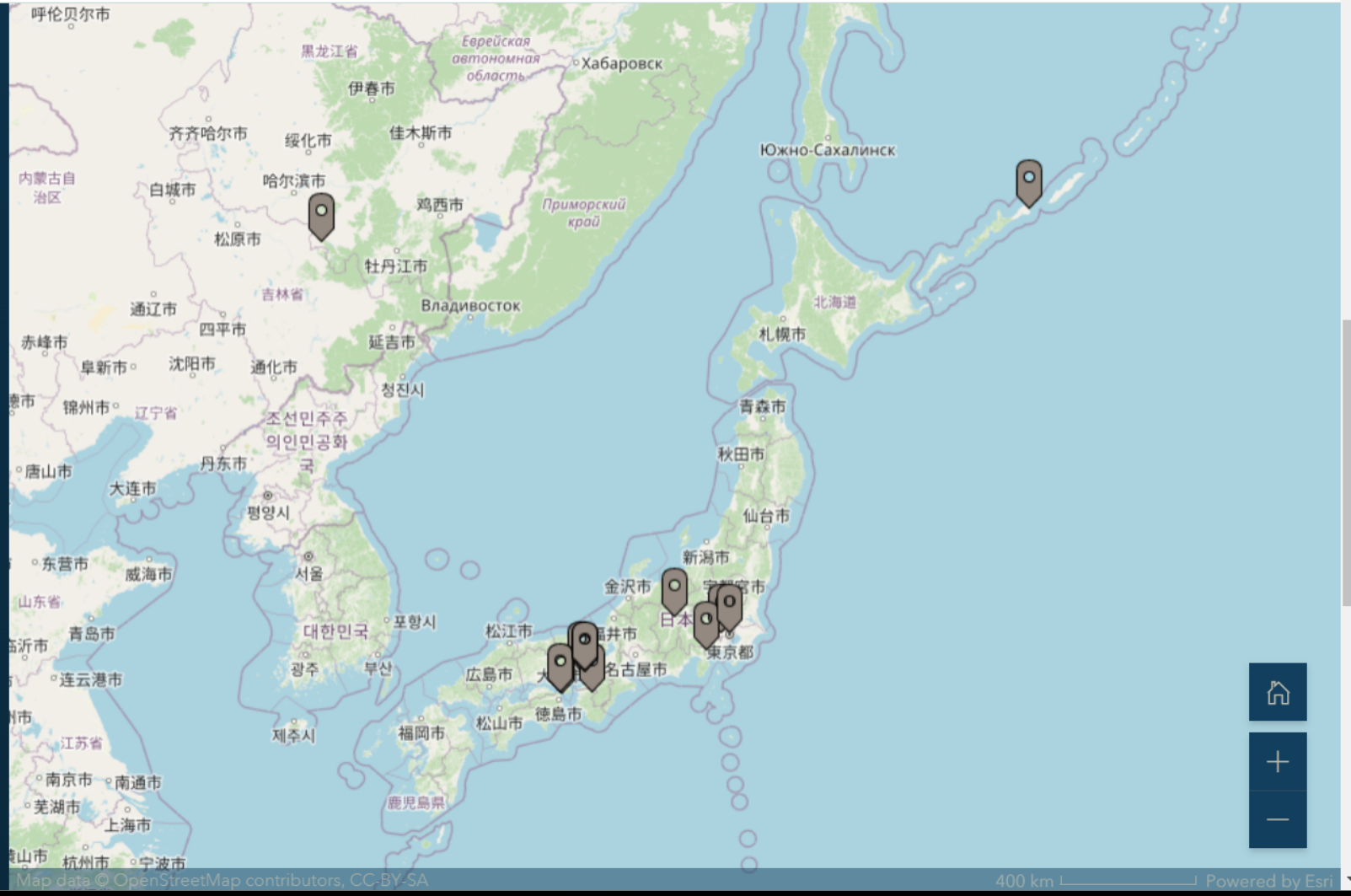
波に踊る

彌次ゑ多夢王の巻

里，昭和八年至昭和十一年

東京へ　昭和八年九年の作品

軍隊（太刀洗）宝塚浜甲子園　昭和十...

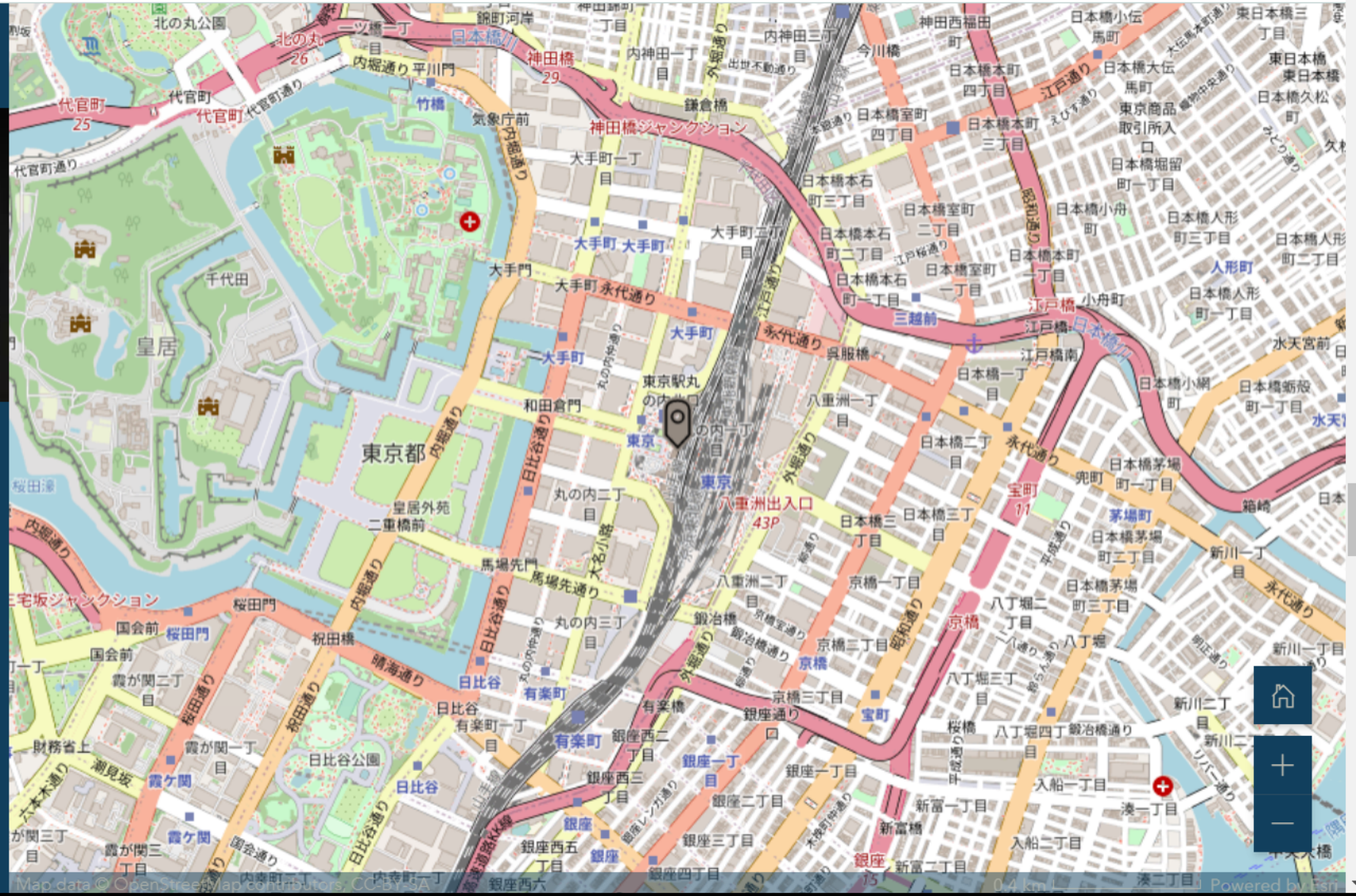


There are many films of Tokushima where the owner is from, and also we find there are many films taken in Tokyo and Osaka.
Clicking a thumbnail on the left, the video and location will be magnified.
Surprisingly, there are the films of Hokkaido Island and Manchu “occupational district” of China during this time period.
It was really hard to define the location of unfamiliar places overseas or in the countryside with no landmarks.

東京へ　昭和八年　九年の作品

撮影年：1933～1934年

この映像のストーリーマップはこちら



We set up the green button for the detailed story map for some interesting 8mm film contents.

東京へ　昭和八年　九年の作品

撮影年：1933～1934年

tgis seminar

2022年11月26日

Then, we can see the detailed story map which focuses on the single 8mm film.

YAMK012 東京へ　昭和八年　九年の作品

後で見る　共有

その他の動画

7:39 / 14:09

5 日本劇場

「マーカス・ショー」とは，吉本興業が昭和9年（1934年）3月に東京・有楽町の日本劇場で開催したショーである。

05 / 06

This detailed story map is synchronized with the context of the 8mm film.
We can observe and track their travel plan and the route through the time sequence of the film.
Also, the video timeline sequence and the location icon are totally synchronized.
So, you can easily understand and track the location of the image.

フィルムサイクルプロジェクトのウェブサイトです。
ここでは，3つのカテゴリーに分けられ，そのカテゴリーのすべての動画を見ることができます。

https://arcg.is/1KSD5v1

This is the Film Cycle Project website.
Here, we divided everything into
3 categories and you can watch
all of the movie clips we have gathered.

Summary

・映像に出てくる地点をひとつひとつ手作業で特定しました。
・昭和初期と後期に分けました。これはインデックスマップになっており，動画を場所から検索することができます。
・そして興味深いフィルムについては，地図と映像の場所が連動するストーリーマップを作成しています。

We defined the locations in the films one by one.

We created detailed story maps which synchronized the video timeline and location for some important films.

We categorized some of our films into early Showa and late Showa eras and you can search the indexed films on the map.

Thank you.