A service that allows you to create personal maps in Cesium without coding.

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Agenda

Hidemichi Baba

Eukarya Inc.

Engineer/「Re:Earth」Product Owner

Hobbies : Trekking/Hiking・Snowboarding・
Scuba Diving・BBQ

Skills: communicating in Zoom

About us

01

Eukarya

Eukarya Inc.

(Formerly Darwin Education Inc.)

[Founded] July, 2017

[Business/Feild of Work] Web content and database development

[Employees] 9 full-time workers and 3 interns

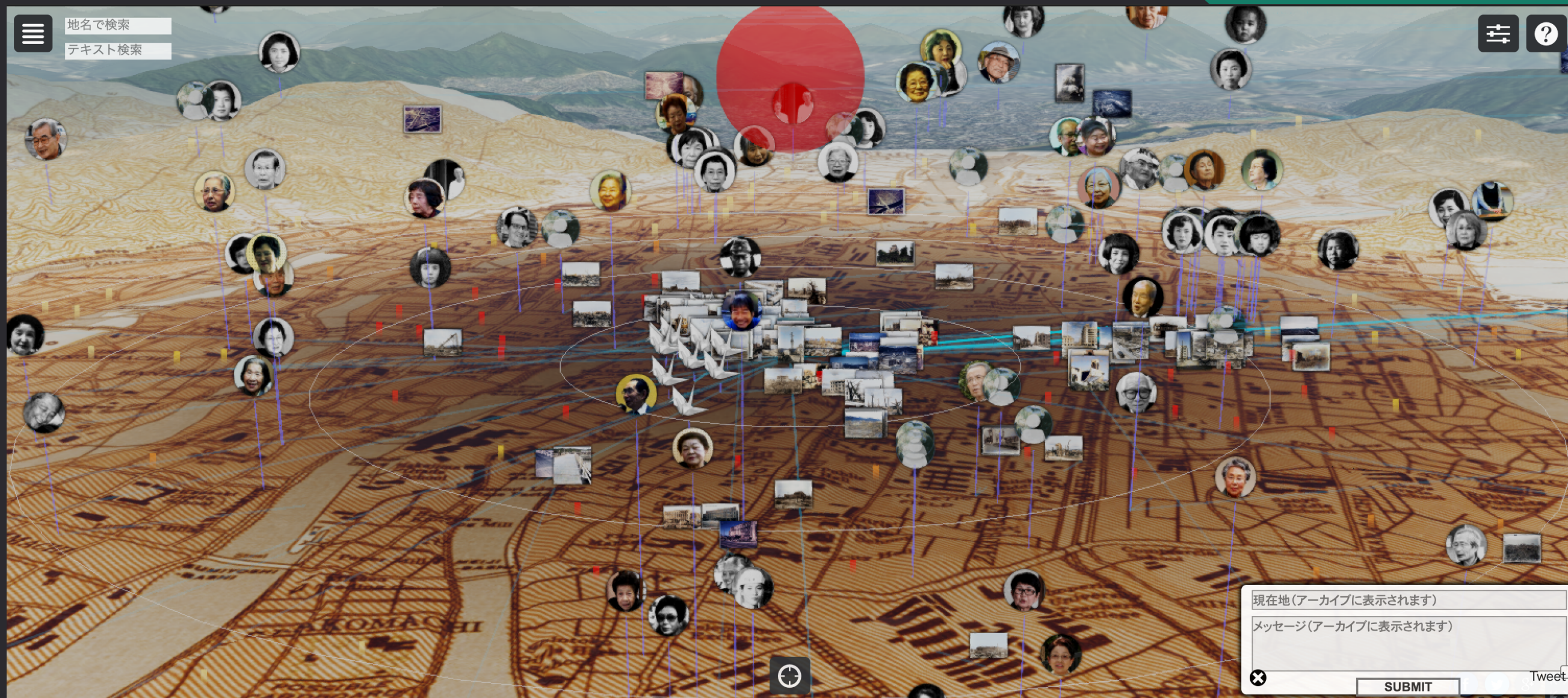[Background] A start-up from The University of Tokyo

[Funds] The largest national investment by crowd funding

| 01   **Background**

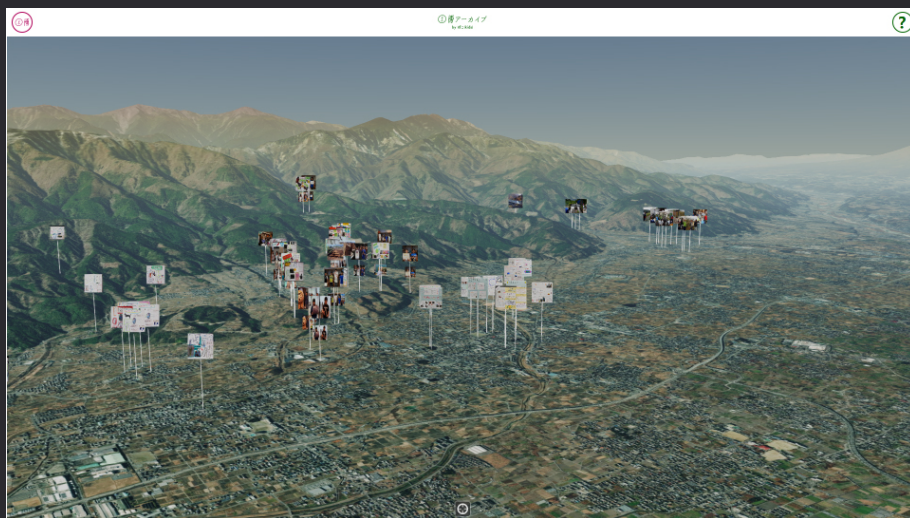## Hidenori Watanabe Laboratory at The University of Tokyo

Famouse for Hiroshima Archive

- Maps the memories of atomic bomb survivors onto a digital earth.
- Developed with Cesium

| 01　Works

We received many requests to develop digital archives from companies, NPOs, local governments and individuals
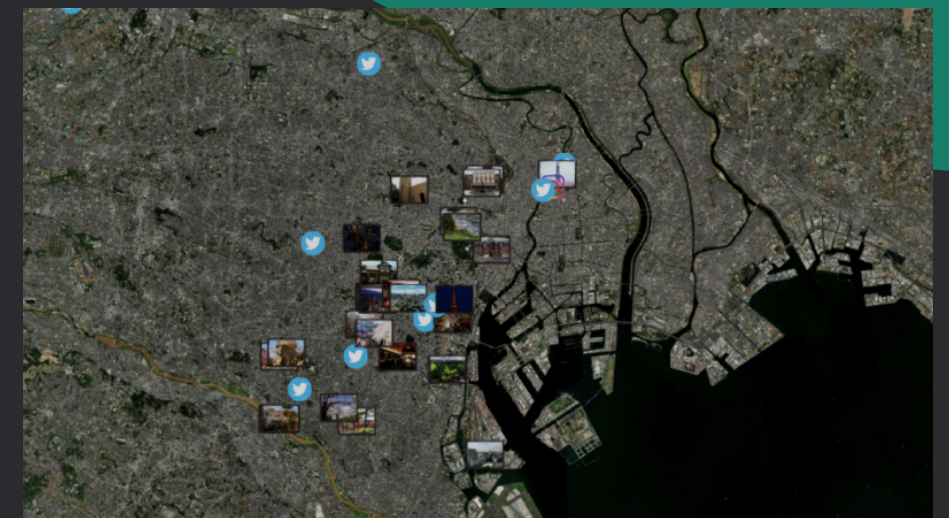

Minami-Alps city

"Native Area Museum
- A digital map with timeline
(or digital maps with timeline)"
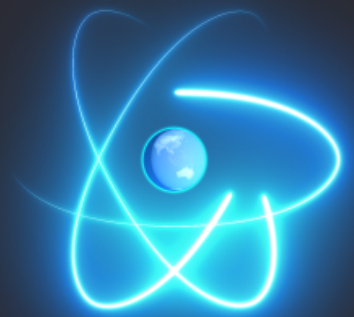

Toppan Printing Inc. & UTokyo

"The Shinobazu Project
- A digital ancient map
with cultural information "

The Peace Nippon Institute

"The Peace Nippon Project
- an interactive digital map
with beautiful scenery via SNS"

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| 01 OSS

RESIUM

⭐ Star | 317

A library that enables developers to use Cesium as a React component

Resium over CesiumJs
■ General

Oren_Levitzky   Jun 27

Hi there,

I am about to start a big project and I wonder if Resium has all the features Cesium has. Basically I will have a lot of realtime actions where I will need to add points and graphics to the ma, after the page fully loaded.

Will glad to hear anyone take on this.

Thanks

Mark_Erikson   ↪ Ⓗ Hyper_Sonic   Jun 28

I used Resium as part of a prototype project last year (that we were intending to fully build out until the work got shelved for the time being). I thought it was great.
I would strongly recommend using Resium to anyone trying to use Cesium in a React app.

https://github.com/darwin-education/resium

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About

R:Earth

02

Place stories on the Earth

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Our service enables anyone to create unique digital archives that can tell a story
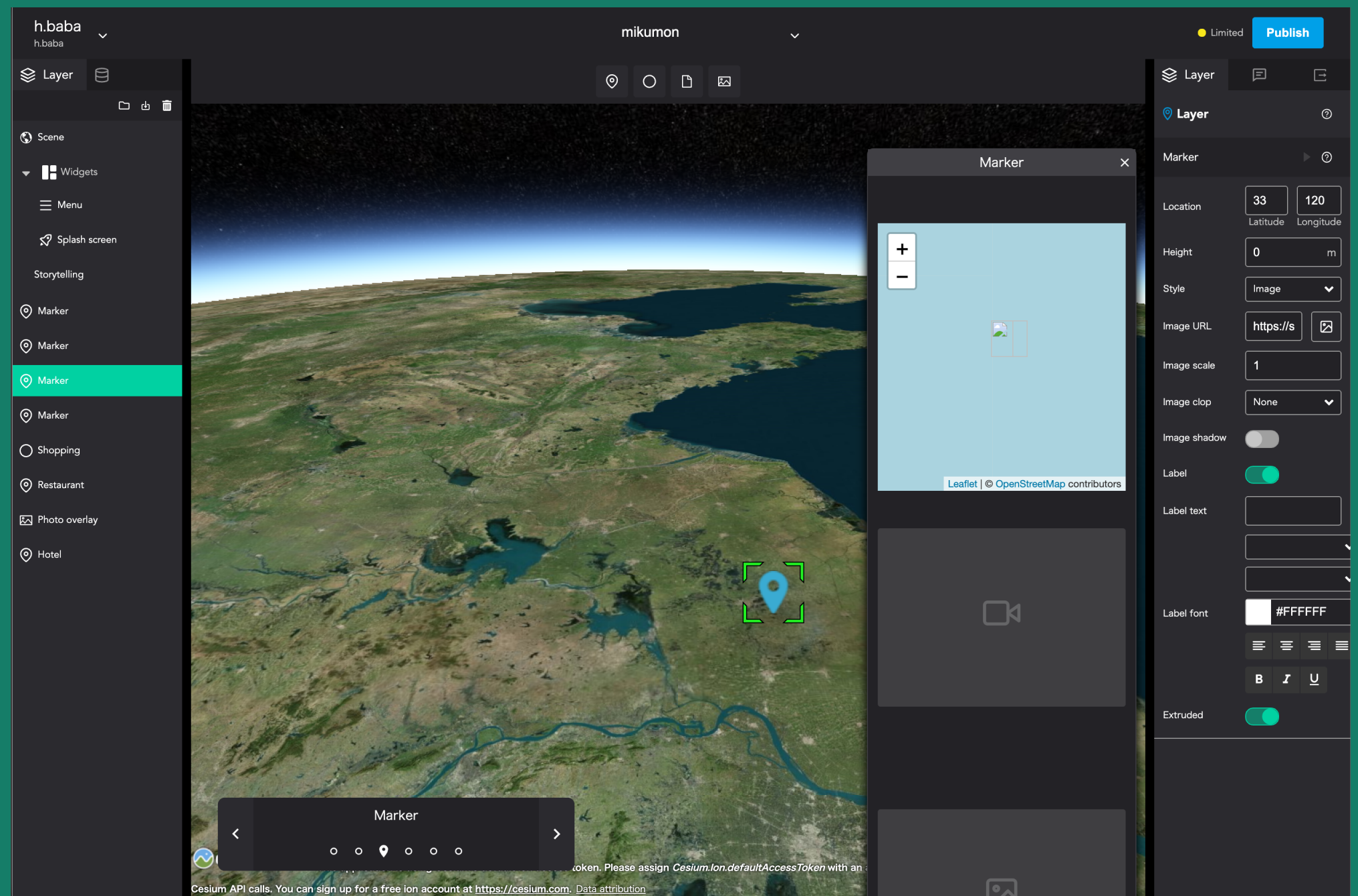
Subjective

R:Earth

Five key features of Re:Earth

· No coding

· Storytelling

· Publishable

· Import external data or export what you make

· Developers can extend functionality

with their own plugins

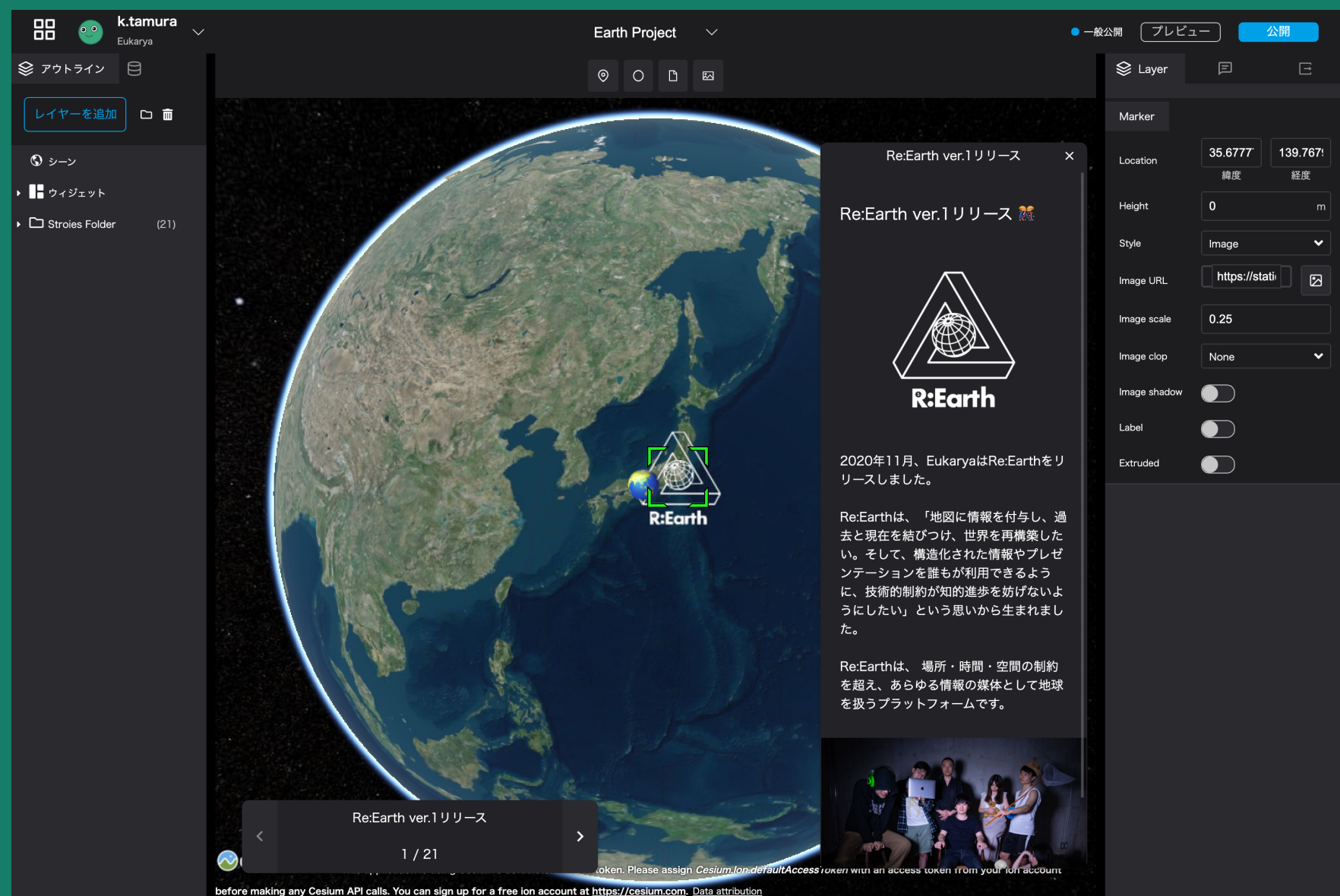eukarya

| 02   Re:Earth - Key features

No coding

Storytelling

- Using your mapped content, choose a viewing order
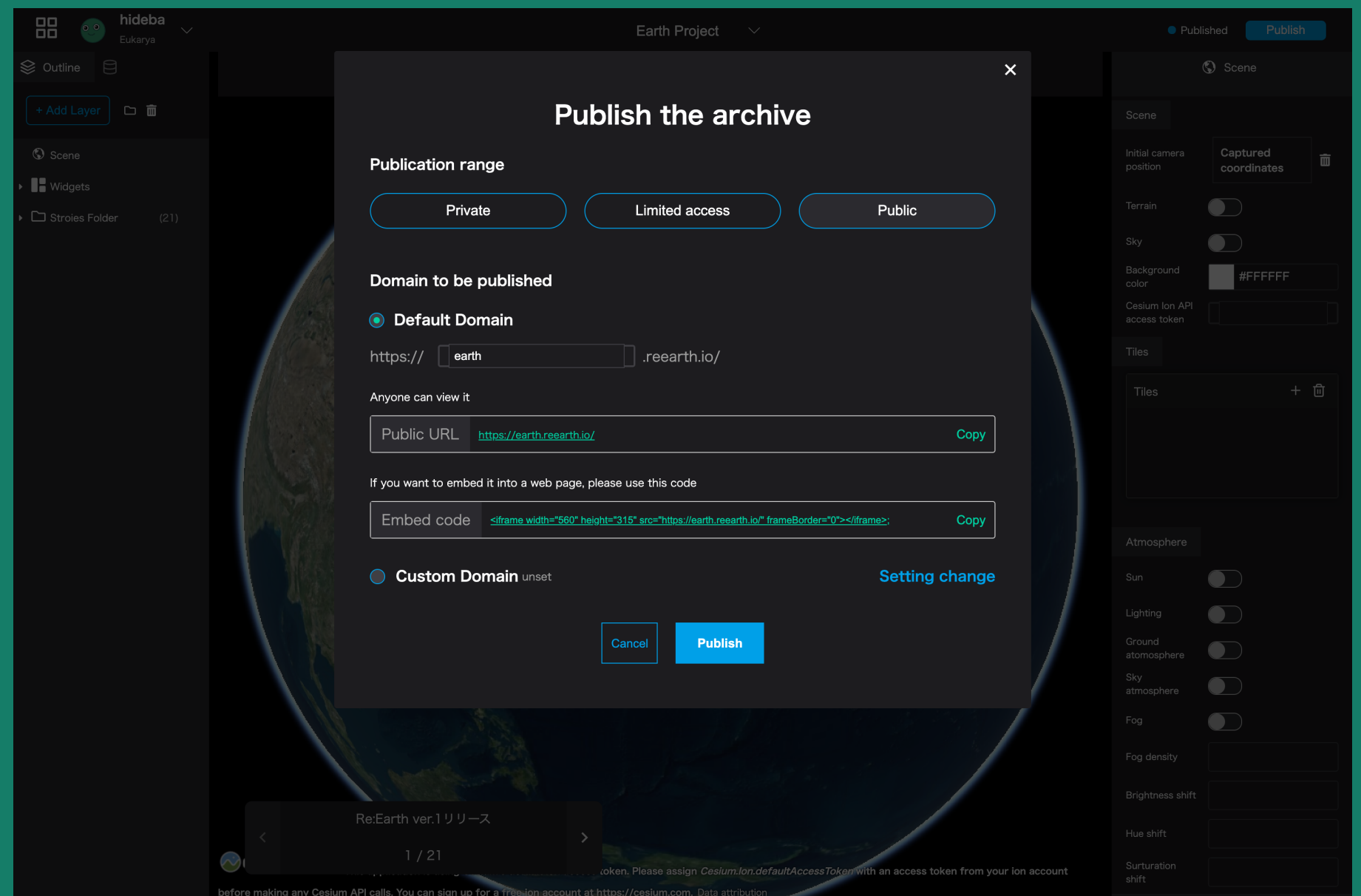- Users(archivists) can create and share interactive stories with their reader base

Publish and share, even on custom domains

When publishing with an external site, it's most common to publish as a subdomain

Through interviewing, we found that most potential users wanted to publish on a domain of their choice
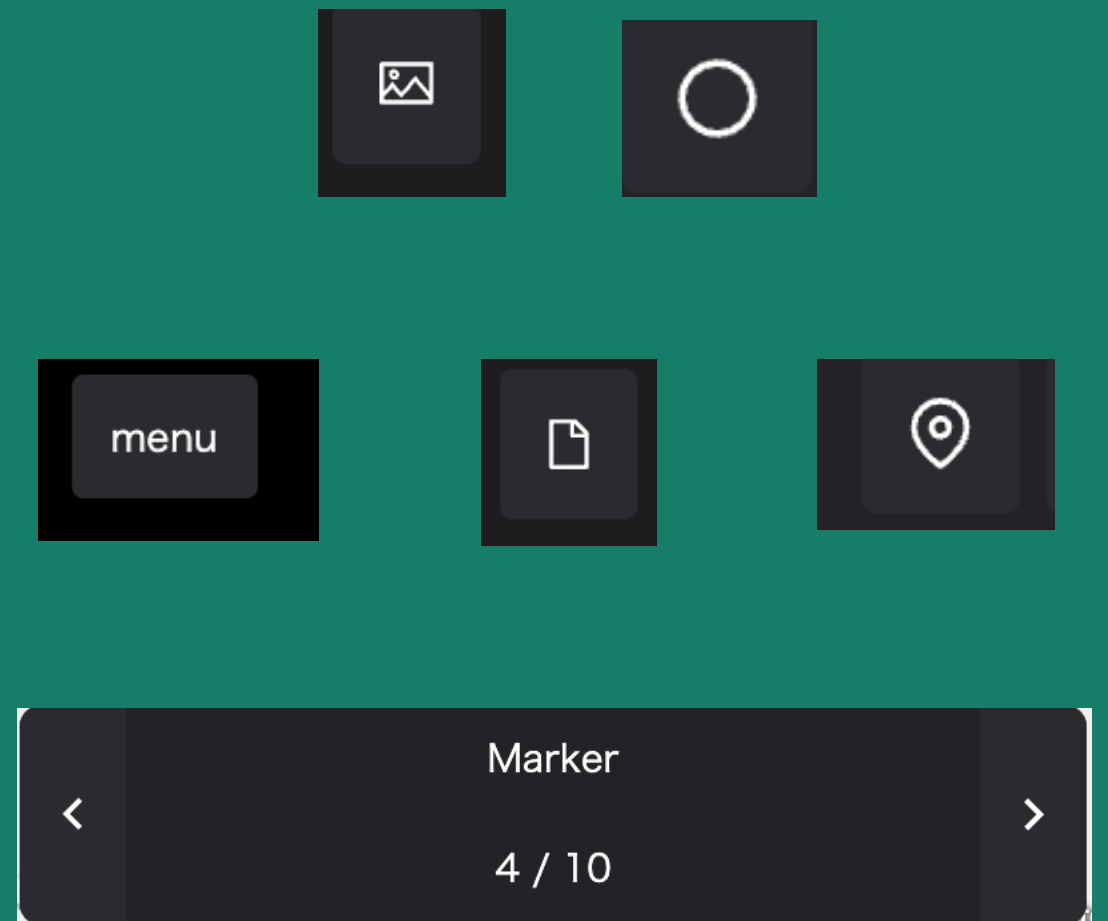

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Re:Earth - Key features

Import external data or export what you make

- **CSV**
- **Shapefile**
- **KML**
- **CZML**
- **GeoJSON**

Re:Earth - Key features

Developers can extend functionality with their own plugins

• Existing features are provided

as official plugins.

• Import plug-ins made

by other developers

(Many features are possible)

menu

Marker

4 / 10

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Common Issues That Arise in Archival Work

Issues when creating

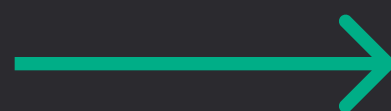● Engineer(s) required:

to develop, maintain and operate

Issues of digital archives

● Difficulties in presentation:

· Designer required

· Typical list format difficult to convey meaning

or importance

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How to resolve them

● Engineer(s) required

Creation completely in the browser

→ Order the archive's content

● Difficulties in presentation

Development Goals

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Road map

Domestic release

· Early adapters

· Business partners

· Improve usability

Global release

· Global user base

· Business partners
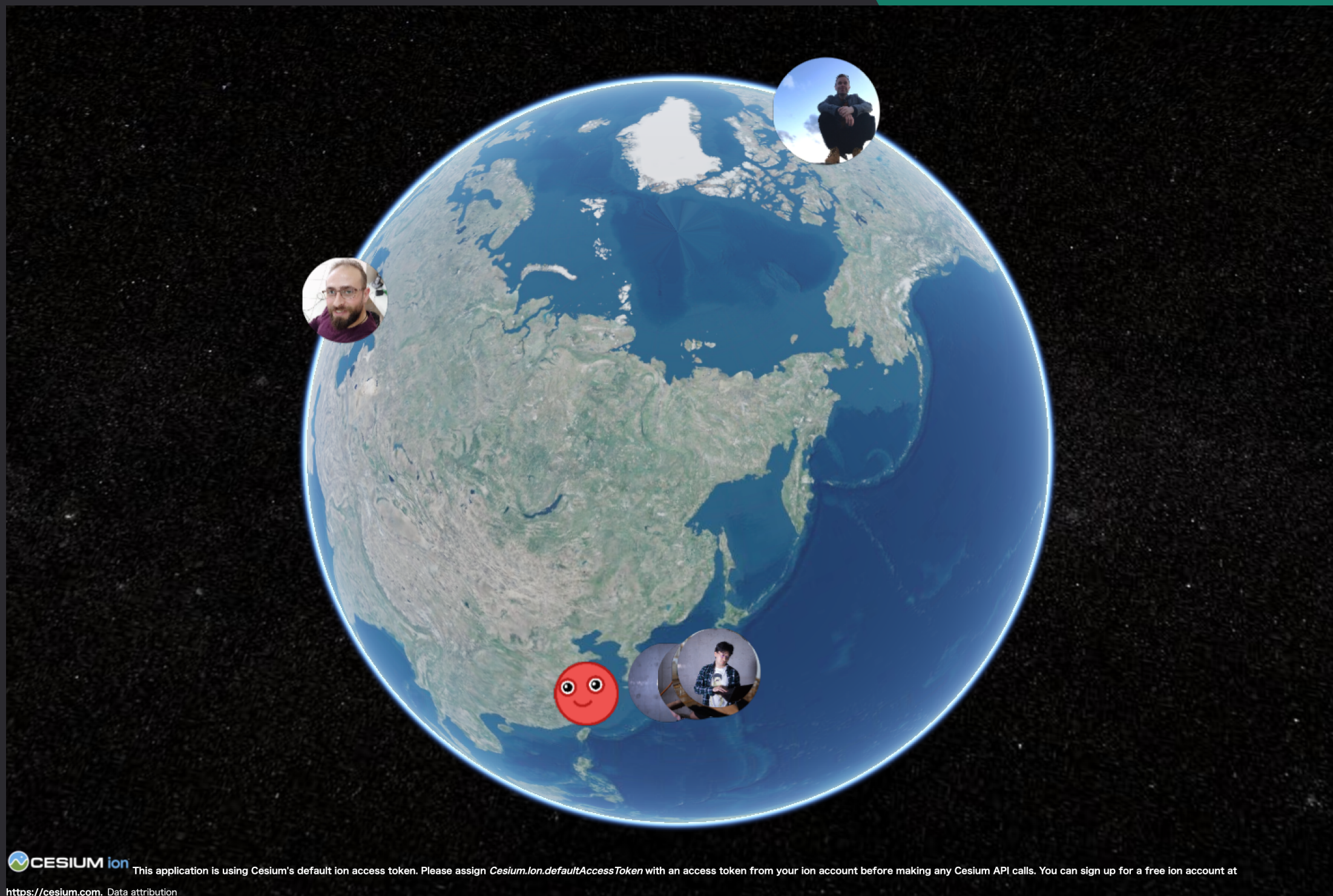
· Integration with other tools

OSS

· Documents

· Comitters

· Organize dev team

OSSCommunity

· Committers abroad

· Branding OSS Community

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Team members

€ukarya × **BⓞnZuttner**

- Working with people in precarious situations

- Creating a mutually beneficial relationship

- Looking ahead to the future.

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● History and Issues

- Designers and engineers are required.
- Difficulty in expressing a message

● Re:Earth

- The GUI allows anyone to create
- No maintenance or operation required
- Storytelling (ordered visualization)

● Future Prospects

- Global release
- OSS
- Worldwide Community Building

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| 04   Finally

- Who are interested in Re:Earth?

- Who wants to be involved in the development of Re:Earth? (even if it's at the plug-in level)

- Who wants to become a committer of OSS Re:Earth?

Please contact us!

Product
https://reearth.io

Press Release
(very happy to spread the word)
https://www.prdistribution.com/news/visualize-data-globally-reearth
-a-web-service-that-allows-anyone-to-publish-their-archives-digitally
-has-been-launched.html

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