

2020-Current

# Portfolio

**Hidemichi Baba** →  
GIS, Web developer

May 2020 - Current

# Re:Earth

Project Manager, WebGIS Developer

## Summary (Professional Project)

A no-code WebGIS that allows users to easily visualize various data formats (GeoJSON, 3D Tiles, glTF, MVT, KML, CZML) on the web, available as OSS. In addition, plug-in functionality, like Figma, has also been implemented, allowing users to extend the UI and it's functionality on their own.

- URL: <https://reearth.io/>
- GitHub: <https://github.com/reearth/reearth>

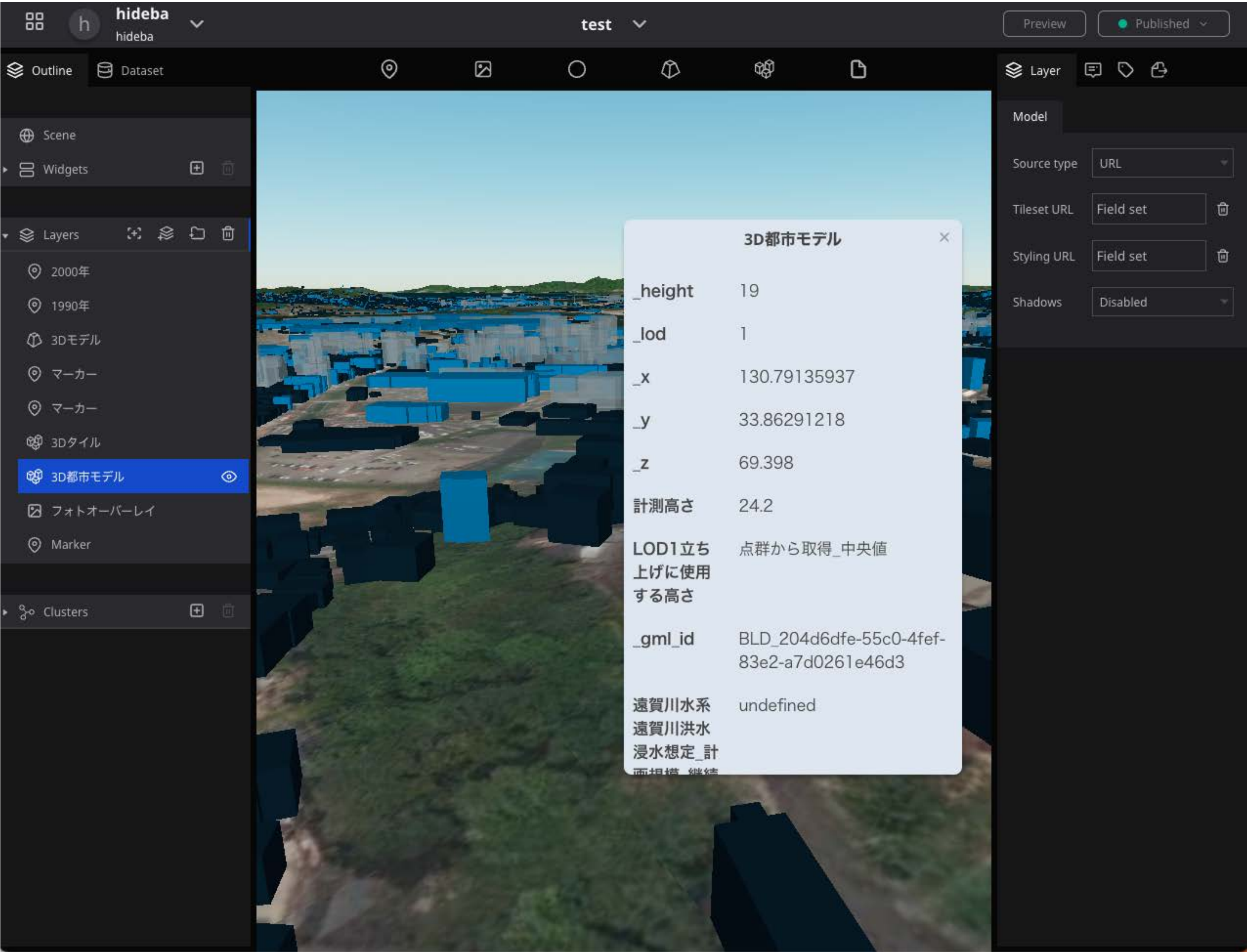
## Team

- 1 project manager (me)
- 2 designers
- 13 developers

## Technologies

TypeScript / JavaScriptReactGoGraphQL

CesiumGCPQGISMongoDB





Apr 2022 - Current

# PLATEAU VIEW 2.0

Project Manager, WebGIS Developer

## Summary (Professional Project)

Project in collaboration with the Ministry of Land, Infrastructure, Transport and Tourism, Japan. The project aims to build a system that centrally manages CityGML created by each municipality and allows users to access 3D city model data through APIs.

## Team

- 2 project managers (including me)
- 2 designers
- 13 developers

## Technologies

TypeScript / JavaScriptReactGoGraphQL

CesiumGCPQGISMongoDB





Jan 2022 - Mar 2022

# Masuda City Map

WebGIS Developer

## Summary (Professional Project)

Project in collaboration with Masuda city municipality aimed at improving the branding of the city by visualizing local points of interests on a map. Users are able to post comments in an effort to promote communication and encourage interaction.

## Team

- 1 project manager
- 1 designer
- 2 developers (including me)

## Technologies

TypeScript / JavaScript

React

Go

Cesium





Nov 2021 - Feb 2022

# Real-Time Evacuation Information Management System

WebGIS Developer

## Summary (Professional Project)

Real-time evacuation status management system for municipalities. Data is collected in real time from sensor information at each evacuation site. The system then visualizes gender and age data of locations on a map.

## Team

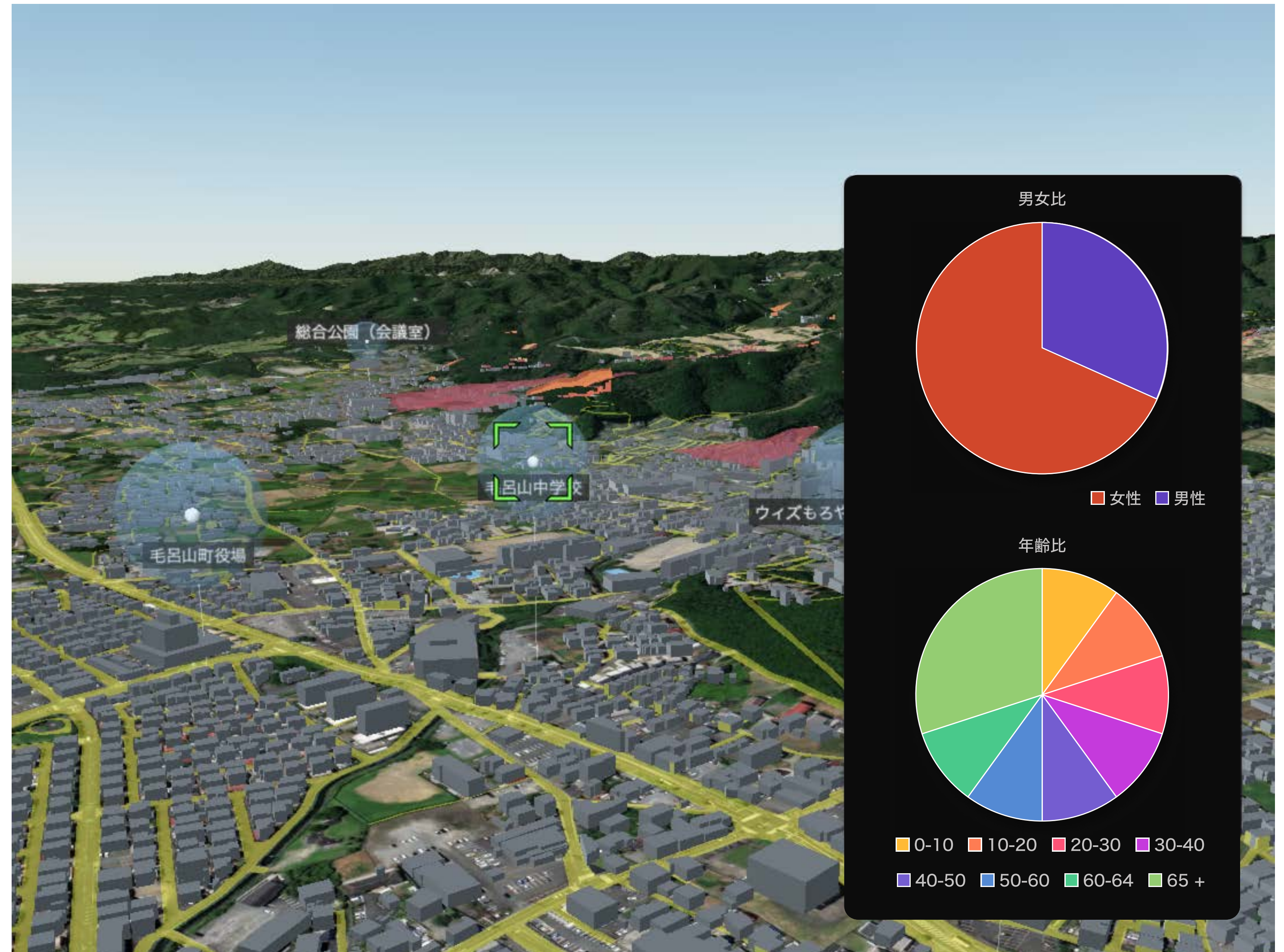
- 1 project manager
- 1 designer
- 2 developers (including me)

## Technologies

TypeScript / JavaScript

React

Cesium









Feb 2020 - Mar 2020

# Area Karte

WebGIS Developer

## Summary (Professional Project)

Project in collaboration with Kawasaki city municipality built to visualize statistical information such as population and distribution of public facilities.

## Team

- 1 project manager
- 1 designer
- 4 developers (including me)

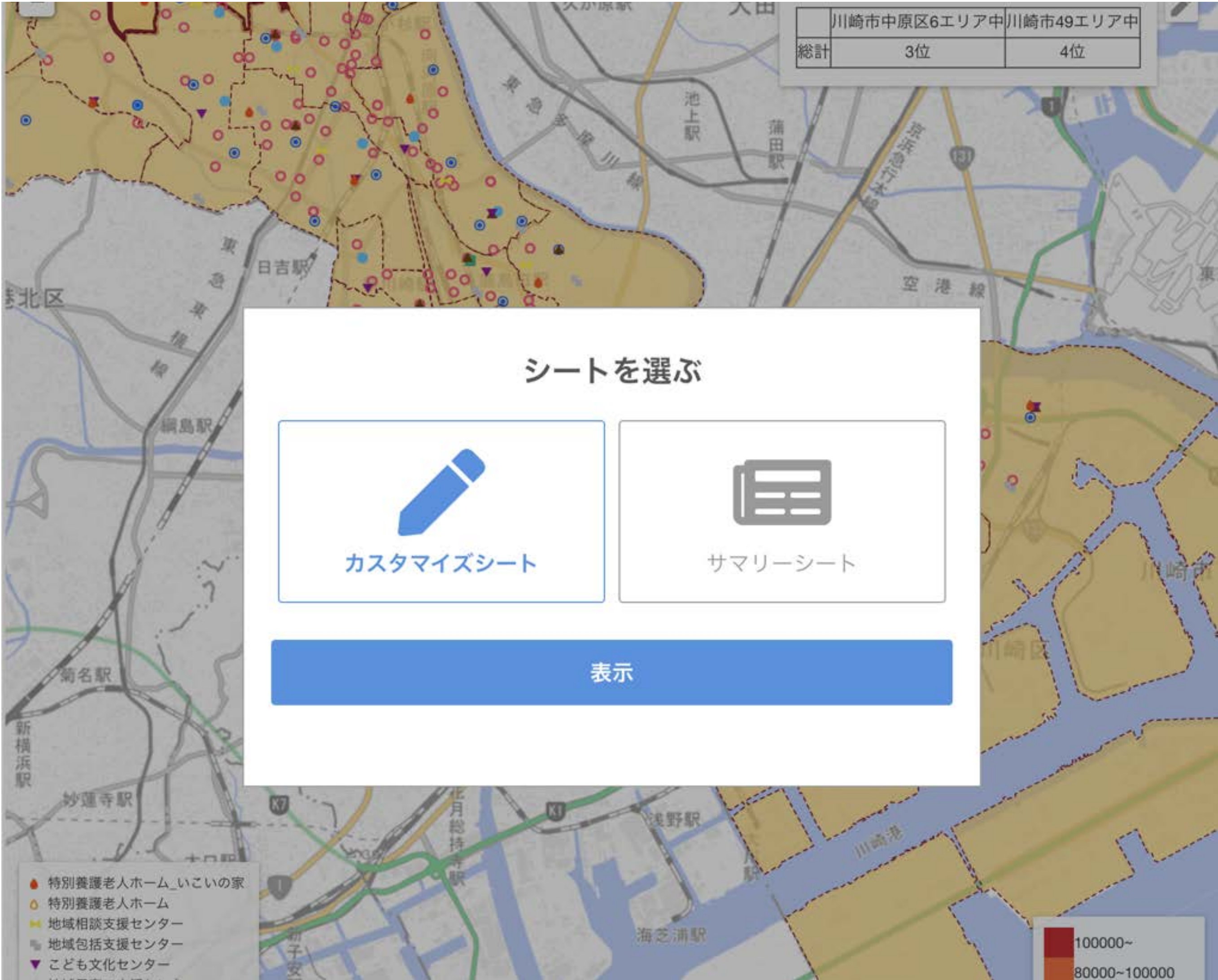
## Technologies

TypeScript / JavaScript

React

Leaflet

Python





Oct 2019 - Feb 2020

# CO・OP PEACE MAP

WebGIS Developer

## Summary (Professional Project)

Visualization of COOP's non-proliferation activities on a digitized earth. By allowing users to post their own messages of peace, COOP has managed to increase engagement in it's activities.

## Team

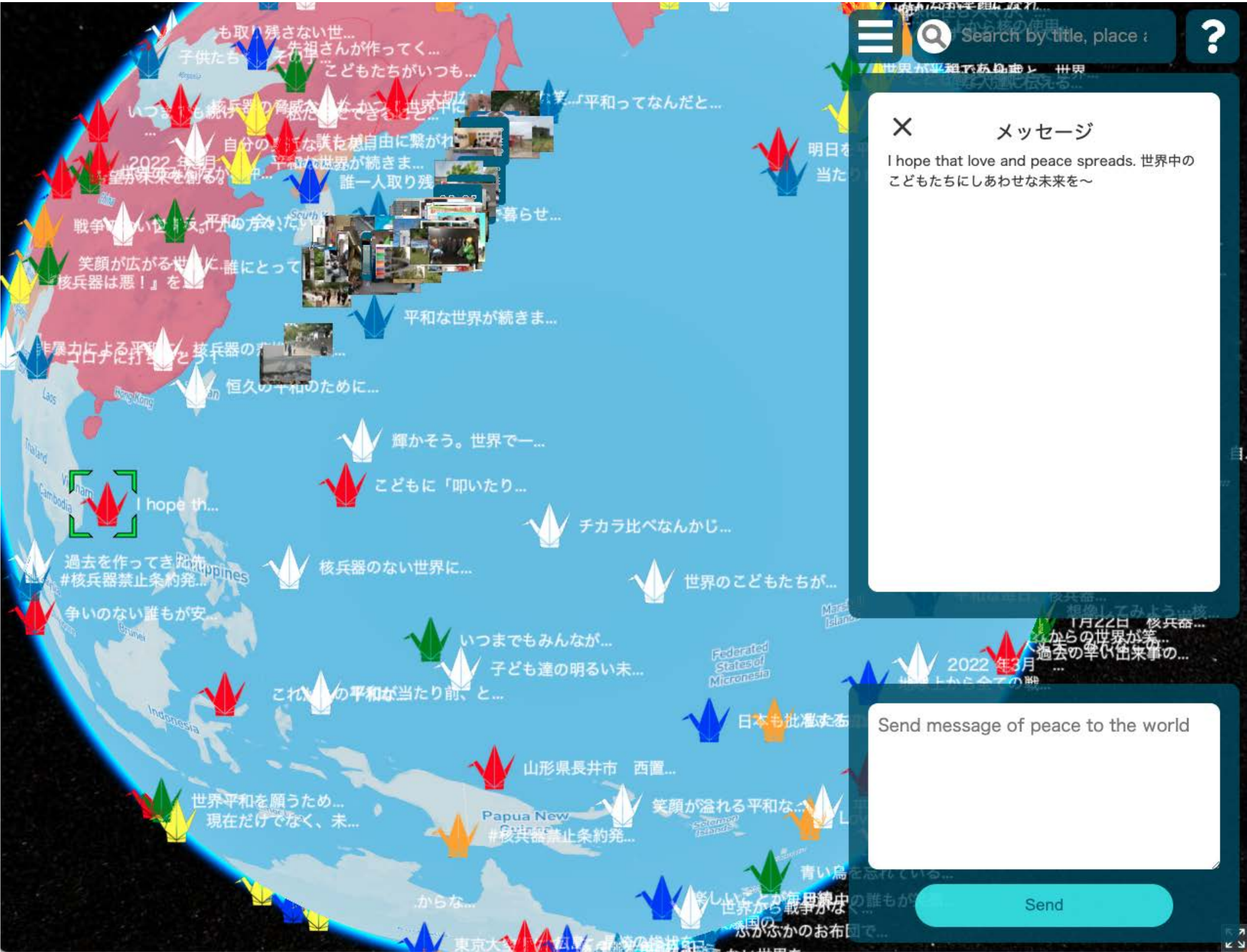
- 1 project manager (me)
- 1 designer (me)
- 1 developer (me)

## Technologies

TypeScript / JavaScript

React

Cesium





# Others

## Cesium DnD

WebGIS Developer

### Summary (Professional Project)

NPM library to allow drag and drop of Entities on Cesium

- URL: <https://github.com/reearth/cesium-dnd>

### Team

- 2 developers (including me)

### Technologies


TypeScript / JavaScriptCesium

demo.gif	update: add demo on readme	1.62 MB	last year
package.json	v1.1.0	1.61 KB	6 months ago
tsconfig.json	chore: upgrade deps, use vite	532 Bytes	6 months ago
vite.config.ts	chore: upgrade deps, use vite	407 Bytes	6 months ago
yarn.lock	chore: upgrade deps, use vite	195.34 KB	6 months ago

README.md

### cesium-dnd

cesium-dnd makes Cesium entities draggable with less code. [Demo](#)



### Getting Started

To install:

<https://github.com/reearth/cesium-dnd/blob/main/README.md>

HideBa HideBa

airslice lby

Environments

github-pagesActive

TypeScript 99.2%Shell 0.8%

## React Hooks Geolocation

WebGIS Developer

### Summary (Personal Project)

NPM library that allows users to get geolocation information easily with React Hooks

- URL: <https://github.com/HideBa/react-hooks-geolocation>

### Technologies

TypeScript / JavaScriptReact

HideBa / react-hooks-geolocationPublic

UnwatchForkStarred1

CodeIssuesPull requestsActionsSettingsReleases1

mainv1.0.21 branch3 tags

HideBa chore: upgrade modules8ca1788 on Jun 1821 commits

.github/workflows	fix: ci workflow	8 months ago
example	remove deps alias	8 months ago
src	fix: example deps	8 months ago
test	init repo	10 months ago
.gitignore	fix: parcel build	54 Bytes8 months ago
LICENSE	init repo	1.04 KB10 months ago
README.md	Update README.md	1.72 KB8 months ago
package.json	chore: upgrade modules	1.2 KB6 months ago
tsconfig.json	init repo	1.47 KB10 months ago
yarn.lock	chore: upgrade modules	305.16 KB6 months ago

README.md

### react-hooks-geolocation

react-hooks-geolocation is React hooks which allows you to handle geolocation API easily with less code.

reacttypescriptgeolocationgisgeolocation-apireact-hooks

MIT license1 star1 watching0 forksFirst releaseLateston Apr 18

Environments

github-pagesActive

TypeScript 95.0%HTML 5.0%