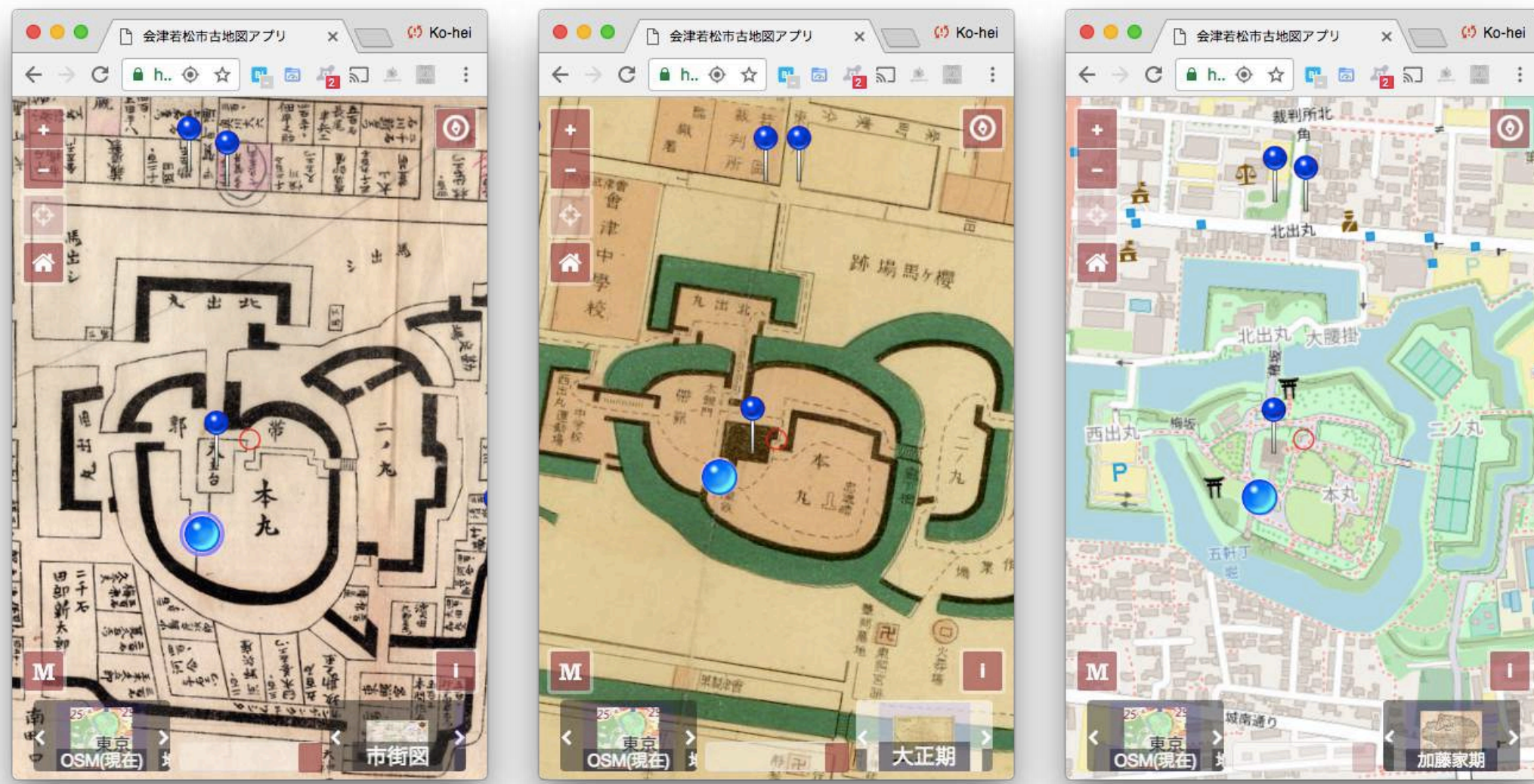


Solutions for mapping inaccurate maps to accurate maps

- It can switch between inaccurate maps, such as historical maps, and modern maps or **overlay them in real time** without distorting them or damaging their beauty. (World's first and only tech.)
- It can convert not only the center position but also the direction and scale exactly. (World's first and only tech. for Web)
- It can convert the entire coordinate system with homeomorphic one to one conversion. (Japan patent, JP-6684776)
- Line elements such as roads can also be converted by the function of converting lines with different shapes into lines. (World's first and only tech.)
- Can be embedded into html as a div element and run with API control.
- Mobile friendly - PWA (Progressive Web Apps) Support, iOS (Framework)/Android (aar) support
- Works with client-side JavaScript only, works within even a closed intranet environment.
- The data editor can also use past maps and aerial photos as base map to identify corresponding points, making it easy to locate historical maps.
- Both tools and editors are **open source**.

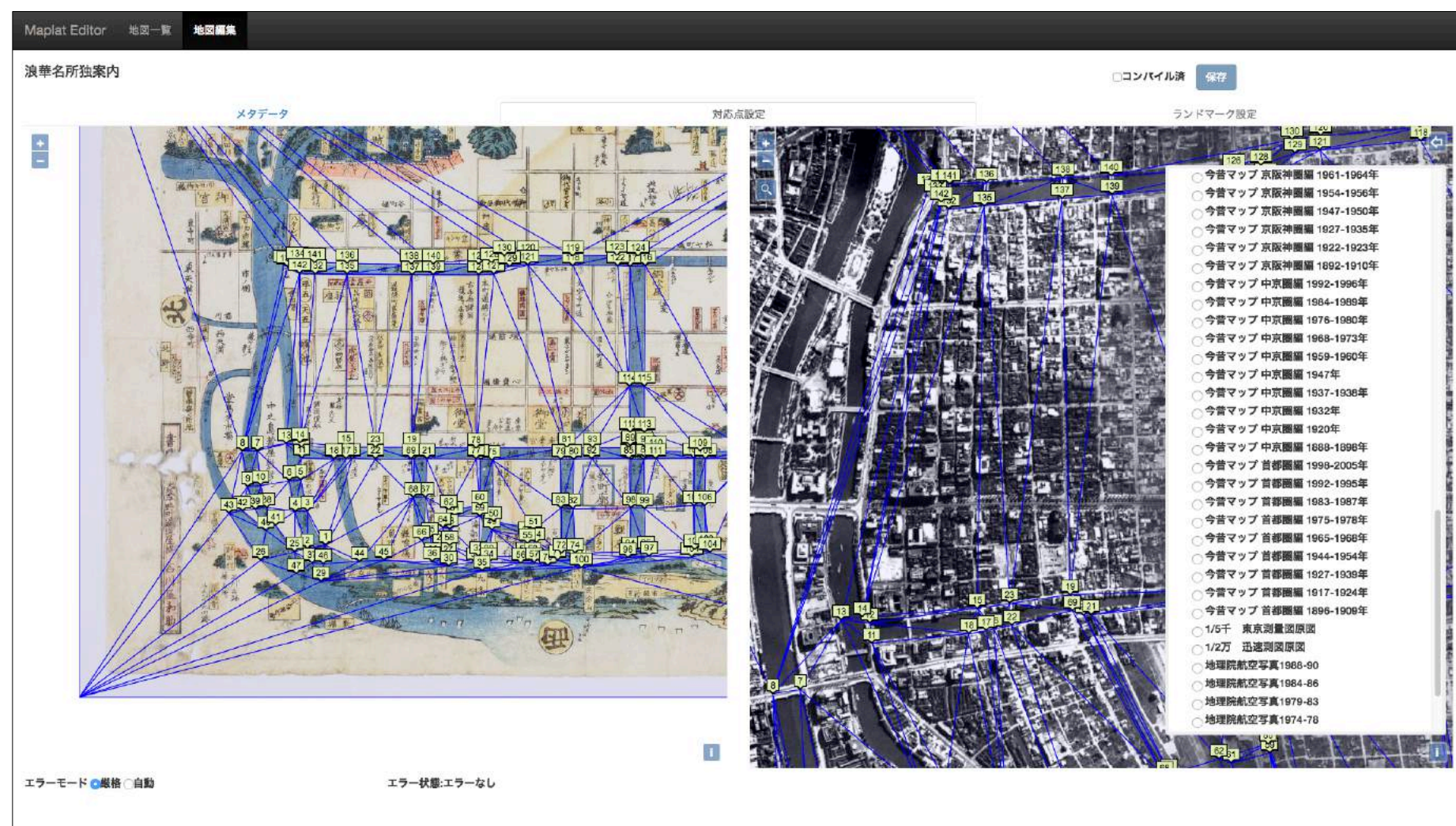
Maplat

<https://github.com/code4nara/Maplat/wiki>



MaplatEditor

<https://github.com/code4nara/MaplatEditor/wiki>



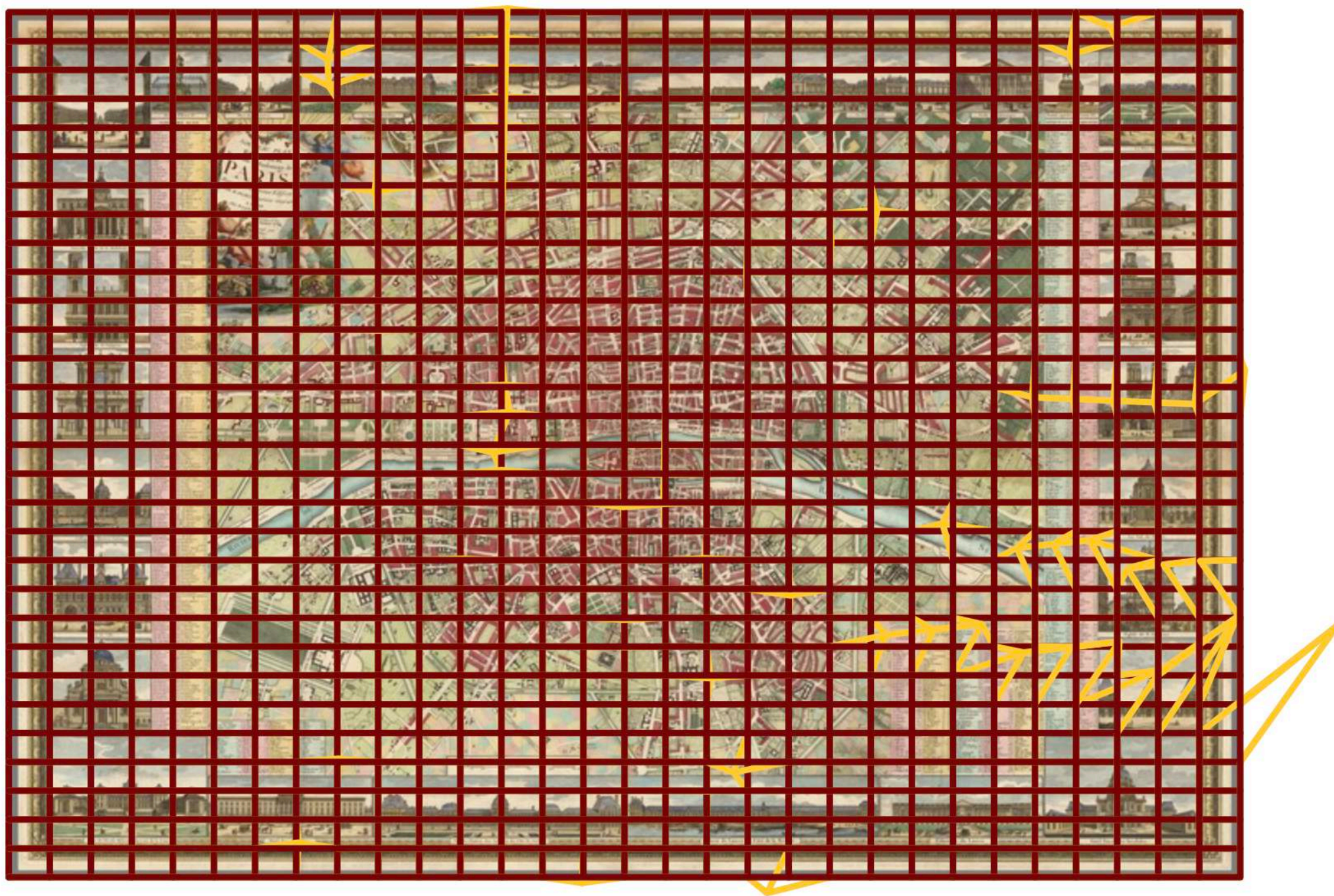
Feature Comparison with Similar Technologies (Stroly)

Features	Stroly	Maplat
Ease of publishing	Can be published just after editing	Manual deployment of configuration files is required
Homeomorphic conversion		Japan Patent technology
Scale/direction conversion	Bugs that cannot convert scale	Scale/direction are precisely converted
Convert Lines to Lines		
Map overlay	Toggle only, slow	Always overlay, briskly
Off-line operation		PWA support
Network environment	Work only on internet	Can work on intranet/local
HTML embedding	IFRAME embedding only	DIV embedding, can be controlled with API
Share function	Sharing map page only	Sharing viewpoint is also possible
Mobile support	Only Stroly Inc. can build mobile apps	iOS/Android libraries are provided
Open source		

Homeomorphic conversion (Comparison with Stroly)

Comparison of errors when the coordinates on a historical map are converted into latitude/longitude and converted again into a historical map.

The accuracy is better as the shape returns to the grid shape. **Maplat:** red, Stroly: yellow.



Example of Paris' old map

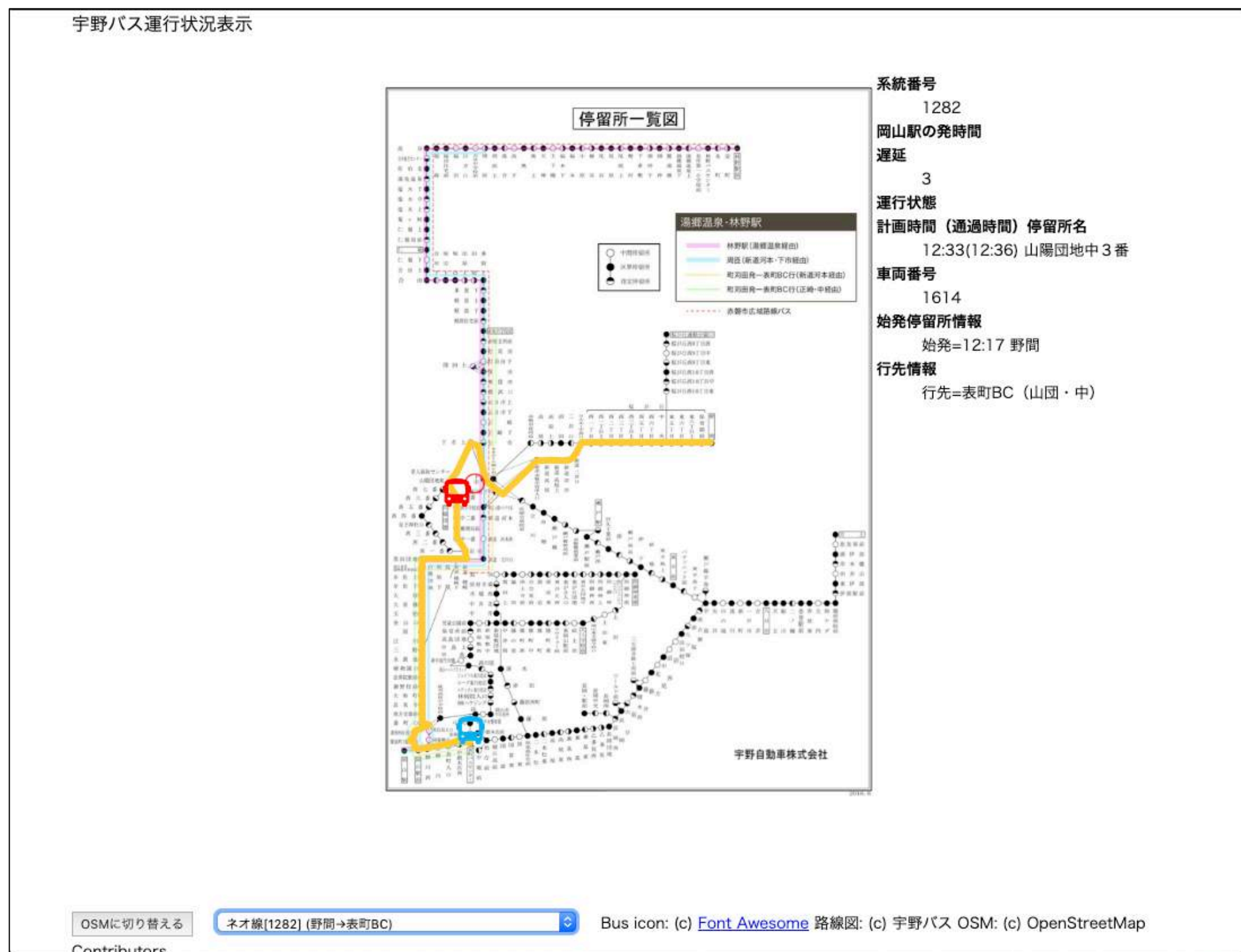
Conversion error

Maplat: 0.000px (Less than rounding error)

Stroly: 11.094px

Maplat

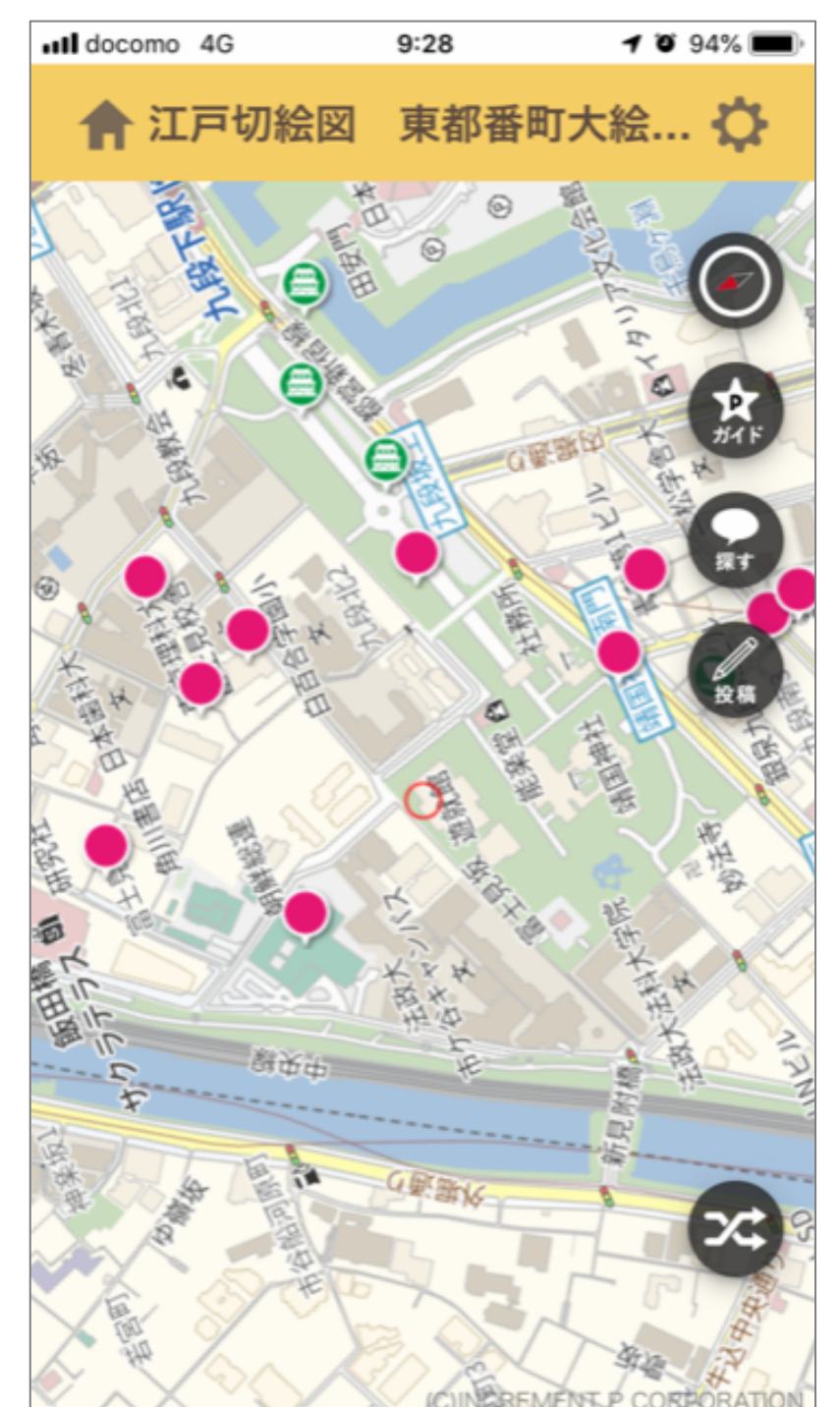
Convert lines to lines (Cooperation with bus location GTFS)



- The current bus location can be displayed on abstract route maps, and route data also can be superimposed on them.
- Through the API, you can control the position of the marker (Current position of the bus, etc.).

Provide mobile libraries

- Provide libraries that can be embedded in mobile native development environments.
- If you use Strolgy, you can only ask them to do mobile development and submit it as their app, but with **Maplat** you can create your apps.
- Support for iOS (Objective-C, Swift), Android (Java, Kotlin).
- Case Study: Cogito Inc., Ambula map



© Cogito Inc.

Maplat demo sites series

Tatebayashi edition:

You can walk while looking at the current location.

Free of charge

Why don't you take a walk around Tatebayashi castle town in a different era?

Why don't you take a stroll around Tatebayashi Castle town with "Maplat Tatebayashi" in one hand?

Contains the popular animation "A place further than the universe" pilgrimage map, the old map of the time when Tsunayoshi TOKUGAWA was the lord of the domain, the old map of the time of the great lord Yukitomo AKIMOTO at the end of Edo period, and other sightseeing maps.

I'm sure you'll enjoy plopping while thinking of an era that is not here.

For mobile

Maplat Tatebayashi Creator: Kohei OTSUKA
Map provider: Tatebayashi City Board of Education, etc. ※Using OpenStreetMap

Nara edition:

You can walk while looking at the current location.

Free of charge

Why don't you take a walk around Naramachi town in a different era?

Why don't you take a stroll around Naramachi with "Maplat Nara" in one hand?

Contains the historical maps of the ancient temples Gango-ji and Kofuku-ji, Naramachi map of Edo era when Naramachi magistrate's office was in control, map from Taisho era and funny illustrated maps.

I'm sure you'll enjoy plopping while thinking of an era that is not here.

For mobile

Maplat Nara Creator: Kohei OTSUKA (Code for History)
Map provider: Nara Prefectural Library and Information Center, etc. ※Using OpenStreetMap

Aizuwakamatsu edition:



Iwaki edition:



Tokyo Chuo-ward edition:



<https://s.maplat.jp/r/aizumap/>

<https://s.maplat.jp/r/iwakimap/>

<https://s.maplat.jp/r/chuokumap/>

Yukuhashi edition, Ueda edition, Nobeoka edition, etc. will be released soon.

We can also accept the orders to create similar sites for other regions.

Please contact rekishikokudo@tilemap.jp Kohei Otsuka