



OSM Japan and OSMF Japan

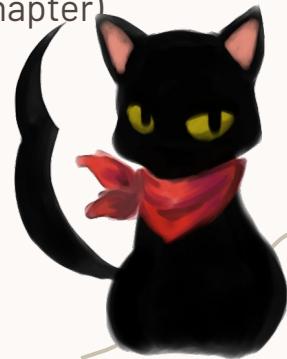
OSMF Japan: Satoshi Iida

4 横浜 2km
Yokohama

Who am I?

OSMF Japan: Deputy board director
OSMF Advisory board member (Local Chapter)

The oldest "Note" holder (No.6)



This



At SotM 2013
Birmingham

検索

現在表示中の位置情報

検索



解決済のメモ #6



説明

Ministopは閉店済み

Created by [nyampire](#) 約11年前Resolved by [Emilius123](#) 約2ヶ月前場所: [35.5170066](#), [139.6322554](#)Resolved by [gorn](#) 約11年前

name corrected

Reactivated by [Emilius123](#) 約2年前Comment from [Emilius123](#) 約2年前

Since this now is the oldest note, LOOK
MOM, I'M OLD

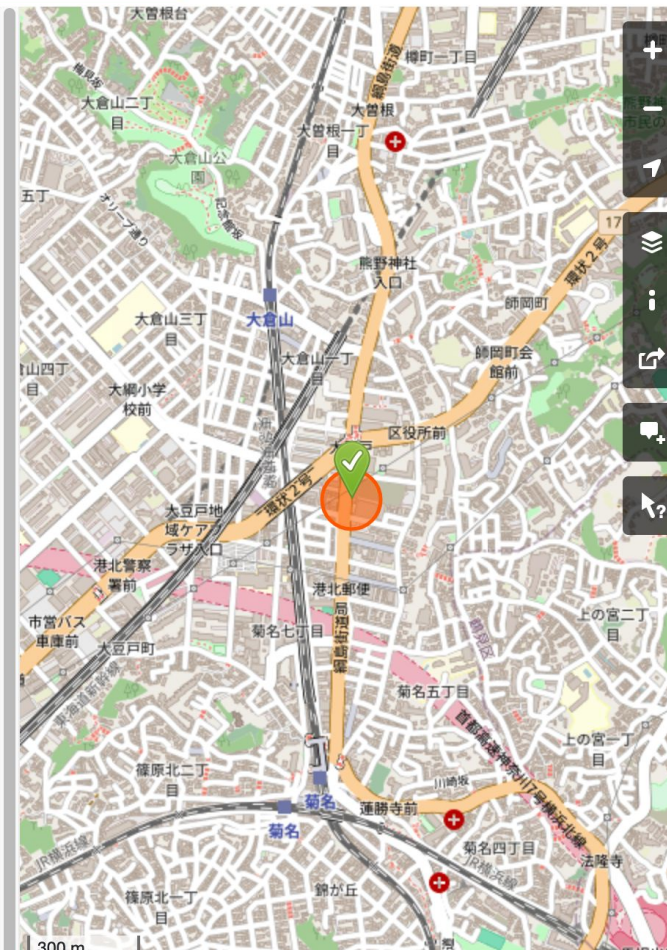
Resolved by [LordGarySugar](#) 約2年前

This note didn't need to be reactivated.

Reactivated by [Emilius123](#) 約2ヶ月前Resolved by [Emilius123](#) 約2ヶ月前

Yes, it did.

再有効化



This convenience
store is closed
already

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by OSM Foundation
Japan

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Activities
by OSM Japan
Community





01

Fact Sheet

On the ground



Footprint of Japanese community

List	Note
Community Start	Approximately 2008 ~ OSMF Japan from 2010 ~
OSMF Local Chapter	Since 2021
Communication platform	Slack: 1080 Facebook: 1099 X (Twitter): 35 posts in 2024 Apr
SotM	2014: Japan, Meguro 2015: Japan, Hamamatsu 2016: Japan, Akabane 2017: Global, Aizu-wakamatsu 2018: Japan, Hibiya 2020: Japan, Online 2022: Japan, Kakogawa
New Users	Around 120 / month

Size of the Community

Name	Population	Land area (km2)	Mapper number 2024/May/21 Include remote	Mapper num./Population Number of mappers relative to the population	Land area/Mapper num. Area covered per person (km2)
Switzerland	8,900,000	41,277	111	0.001247%	371.9
Germany	83,300,000	357,022	996	0.001196%	358.5
United States	341,800,000	9,833,517	935	0.000274%	10,517.1
Namibia	2,600,000	824,292	3	0.000115%	274,764.0
Comoros	900,000	2,235	1	0.000111%	2,235.0
Japan	122,600,000	377,915	132	0.000108%	2,863.0
Malaysia	34,700,000	329,847	37	0.000107%	8,914.8
Nepal	31,200,000	147,181	30	0.000096%	4,906.0

↓ Around 1/3

This shows the ratio of mappers to the total population for the countries/regions. Japan has a ratio roughly equivalent to Malaysia and Nepal.

It's about 1/3 the ratio of the United States.
Compared to the population ratio in Germany, it's around 1/10 the scale.

Size of the Community

Name	Population	Land area (km2)	Mapper number 2024/May/21 Include remote	Mapper num./Population Number of mappers relative to the population	Land area/Mapper num. Area covered per person (km2)
Germany	83,300,000	357,022	996	0.001196%	358.5
Switzerland	8,900,000	41,277	111	0.001247%	371.9
Armenia	2,800,000	29,743	11	0.000393%	2,703.9
Spain	47,500,000	505,370	179	0.000377%	2,823.3
Japan	122,600,000	377,915	132	0.000108%	2,863.0
Greece	10,300,000	131,957	46	0.000447%	2,868.6
Brunei	500,000	5,765	2	0.000400%	2,882.5
United States	341,800,000	9,833,517	935	0.000274%	10,517.1

Similarly, this shows a comparison of how large an area each mapper needs to map.

In Japan, with the current number of mappers, it seems that mapping an area of around 3,000 square km would be needed to cover the entire country.

This area is close to the ratios of Spain and Greece.

However, in terms of the ratio to the total population, Spain and Greece have 3-4 times the mapper ratio compared to Japan.

Overview

Overall, the following can be said:

- Japan does not have a very large number of mappers relative to its population
- The area that each individual mapper needs to cover is quite large, indicating that expansion of the community on a larger scale is needed in this region

Note:

Of course, this analysis is an overly simplistic “hack”.

The mapper numbers should use averaged figures, and factors like the urban population ratio and device ownership rates may also need to be taken into account.

This is simply intended as material to grasp general trends.

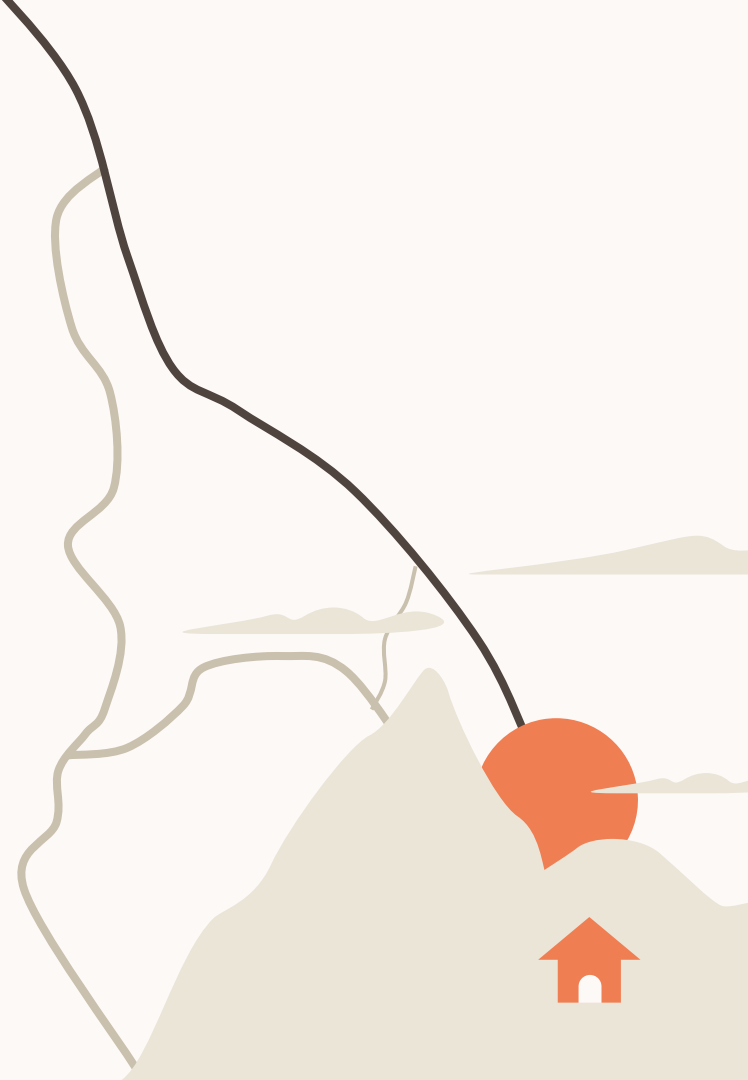
Sheet:

https://docs.google.com/spreadsheets/d/1uSo08TvUBqg_DAvltVZIfnWz9TY1IBJK/edit#gid=2086889520

02

OSMF Japan

Activities related to Japan Local Chapter





Our Policy

Support the community.
We are a basket.

OUR TEAM



Director of boards
Hiroshi Miura



Auditor
Toshihisa Tanaka



Deputy board director
Satoshi Iida



Deputy board director
Katsuyuki Sakanoshita



Board
Taro Matsuzawa

Activities



Operating osm.jp

Mainly for event promotions
and announcements



Vector Tiles

MapTiler based tiles.
Partially patched for
disputed area



Hosting Imageries

Hosting the Imageries taken
by municipalities
(under JP survey act)



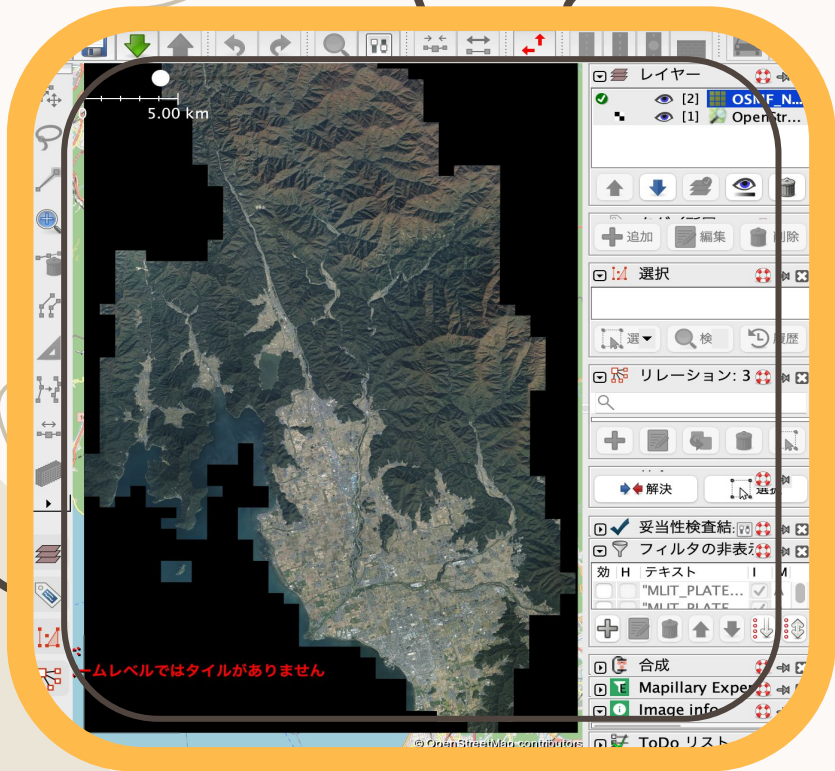
Coordination

Coordinating with other
organizations
(e.g. Government)



Inquiries

Mainly from commercial use.
Replying based on the
guidelines



Hosting Imageries

Under Japan's Survey Act, it is possible to request aerial photographs taken by municipalities by submitting an application.
(Accuracy of 1/1000 - 1/2500)

By using this, high-resolution aerial photographs can be obtained, and we are hosting xyz tiles on our server.

<https://wiki.openstreetmap.org/wiki/OSMFJ/ortho-tiles>

Now we have 6 areas.

More to come.

(which include 6Tb of original dataset area)



Relationship with the government

Japanese government is pushing “Base Registry (*)”
which normalize administrative datasets.
That include maps, addresses and cadastra.

It's massive and useful resources also.

* Equivalent to EU: ABR (Access to the Base Registries)

Base registry and other massive datasets

Name	Base registry	Notes and Tasks
Addresses (Urban)	Yes	Approximately, the schemes match between this and OSM. But need some updates and clarification on OSM side.
Addresses (Country)	Yes	Same above.
Cadastra	Yes	Half of the dataset are stored in arbitrary coordinate system. So it needs huge updates to use.
Plateau dataset	No	Not a base registry precisely. 3D citygml dataset which covers 250 larger cities.
Agricultural area (Fude polygon)	No	Not base registry precisely. Farmlands and rice fields with identifier for whole Japan.
License	-	Our "Open Government License" is UK based. So it need to clarify the compatibility to LWG.



03

OSM Japan Community

Activities by OSM Japan community members



Community based activities



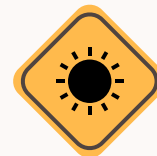
Mappy Hour

Held on every Saturday night.
Online. Over 4 years!



Plateau import

Importing Plateau,
building footprint dataset



Welcome message

2 years of continuous
messaging. Thank you OSM be!



Mapping Party

1-2 per 2 months.
Mainly around Kyoto.



Events

Promotion on
other Open Source Events

Mappy Hours

Summary

It is online event by every Saturday night. (over 4 years!)
Each participant edits maps and exchange feedbacks.

It has greatly contributed to community engagement.

Lead

User:K_Sakanoshita (OSMFJ Board)

OSM Changesets of the last 30 Days filtered by 'MappyHourJapan'

Copyright © Pascal Nels | Map data © OpenStreetMap contributors | More? [ResultMaps-overview](#)

Search for a specific Text:

Go!

(min. 5 and max. 32 characters)

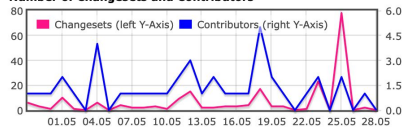
Information for 'MappyHourJapan'

Some used terms: MappyHourJapan

Number of OSM Contributors: 6
Number of Map Changes: 13,551
Total number of Changesets: 204
Displayed Changesets: 204

(Limit is 5000 Changesets) hide large Changesets

Number of Changesets and Contributors

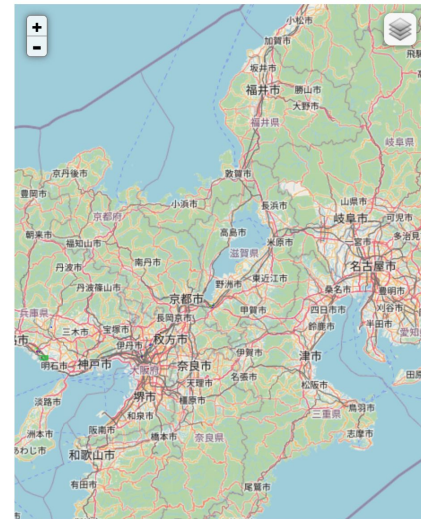


Number of created (modified) (deleted) OSM Objects

Nodes: 8,225 (3,138) (1,77)
Ways: 1,501 (374) (16)
Highways: 310 (291)
Buildings: 748
Land-uses: 32
Waterways: 6

Top 7 Countries: Contributors - Changesets (Map Changes)

1. • Japan: 6 - 204 (13,551)



Latest Changeset timestamp: 2024-05-27 22:13:36 UTC

Plateau import

Summary

Import of the Plateau dataset.
This valuable dataset containing attributes that are difficult to survey, including building heights.

It covers major metropolitan areas.

Lead

User:Okadatsuneo
Convert script is made by user:yuuhayashi



Welcome messages

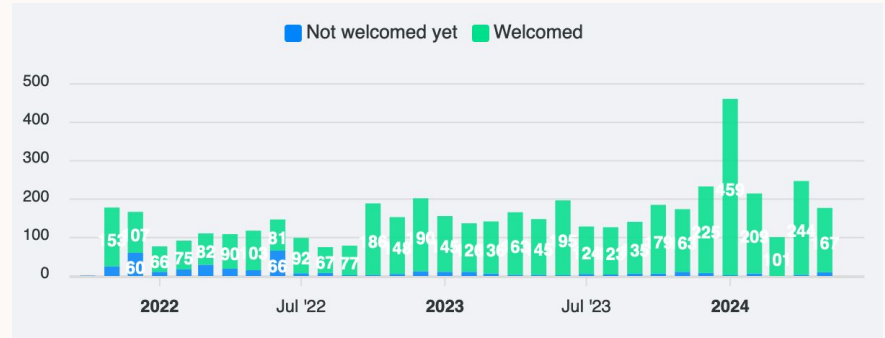
Summary

Using the welcome message provided by OSM.be to send messages to new users. Continued for 2 years.

The response rate was not high, so more proactive outreach may be necessary. (such as responding to review requests)

Lead

User:nyampire and user:Mappin' Jack Flash



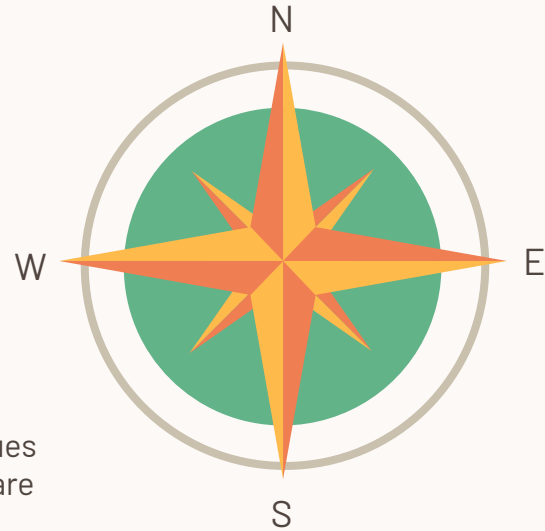
Characteristics of the Japanese Community

Hobbyists are the volume zone

Rather than being business-driven.

Issues

- There is a tendency for individuals to focus on limited territories (regions/domains).
- Improving comprehensiveness, inputting attribute values that are not displayed on the map (such as lanes), etc. are challenges.

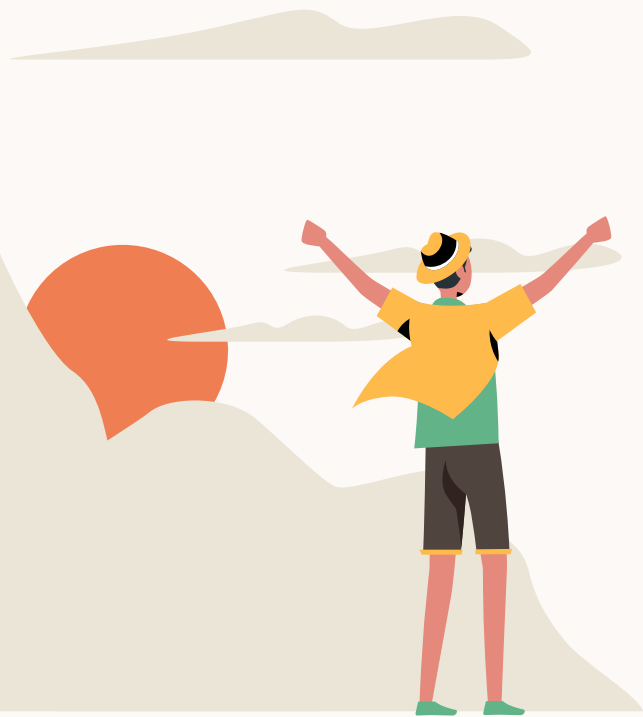




Why?

Other major maps/data providers in Japan

Name	Main user	Geocoding (Urban)	Geocoding (Country)	Original data
Google Maps	Themselves	○	○	Not available
Zenrin	Mapbox	○	○	Expensive
GeoTechnologies (former IncrementP)	Apple	○	△	Expensive
GSI maps (Government Map)	Government Municipalities	△	△	Available under Survey law. But with very simple attributes



What should be done to be “best map” for the 10%

“Maps for 90%” is already there in Japan.

So what should be done for the “best maps”?

- More valuable for people?
- More useful for analysis or research?
- To know and to love your city?

Keywords could be

- Local people, Archives and so on...

Even Crisis Mapping

The screenshot shows the Asahi News website with a headline in Japanese: "能登半島地震" (Noto Peninsula Earthquake). The main article title is "絵画修復士ら「被災前の地図」を後世に ボランティア2千人がかりで" (Art restoration workers, with 2,000 volunteers, create maps of the area before the disaster for future generations). The article text describes how a team of art restoration workers and 2,000 volunteers created a digital map of the Noto Peninsula before the earthquake. The map is a detailed street map of the area, showing buildings and roads. The article mentions that the map was created using OpenStreetMap (OSM) data and is available online. The article also mentions that the map is being used for disaster relief and recovery efforts.

Result of the Crisis mapping in 2024/Jan.
Probably less used in the Disaster area.

This news says "2000 volunteers creates maps to archive the city".
(interview with Shimizu@HOT Voting member)

"By keeping a record of what the original state was, it can help show how to recover and move forward."

On the other hand, OSM data should reflect "Now".
So need update those areas sooner.

Maybe it may need a relationship with OHM.

<https://www.asahi.com/articles/ASS5N4R83S5NPJLB004M.html>



04

Future Directions

Approach Examples?



Encourage

For Community members

E.g. Suggest new approaches, and/or projects.
Hold “Ask me anything about mapping” office hours.

Outreach and Relationship

Wikipedian? Map lovers?
Hikers? NPOs?
Teachers? Civic tech?

Coordination

Workshops

Foster “Map users”

To promote the use of Open Source tools
e.g. QGIS, MapLibre and so on...

THANKS!

Do you have any questions?

nyampire@gmail.com

Also I'm on...



CREDITS: This presentation template was created by **Slidesgo**, including icons by **Flaticon**, infographics & images by Freepik and illustrations by **Storyset**