



Building our open mapping community - The progression of OSM Fiji

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OpenStreetMap (OSM) as a movement in Pacific

- Humanitarian response (HOT OSM) led to proliferation of data [1]
- Use cases in the Region:
 - InaSafe (Open Mapping Hub Asia Pacific)
 - SPREP INFORM Project
 - PCRAFI Project (Field Survey)
 - Community: Valencia, Lami



SPREP Has Made OpenStreetMap Data Available To Serve Pacific Islands

[1] Herfort, Lautenbach, Porto de Albuquerque, Anderson & Zipf (2020). The evolution of humanitarian mapping within the OpenStreetMap community. *Sci Rep* 11, 3037 (2021). <https://doi.org/10.1038/s41598-021-82404-z>



HOW DO WE ENCOURAGE LOCALS TO CONTRIBUTE CONSISTENTLY?

Bridging the Tech and Data Gap for the Pacific Region

- Local/regional mapping communities
- Provision of financial and technical support
- Socialisation and local ownership can lead to utilising existing systems
- We build a complimentary community



**Open
Mapping
Hub**
ASIA-PACIFIC

OSGeo
Oceania



OSM Fiji: Initiatives, Experience and Opportunities

- HOT OSM Facebook Community Impact

Microgrants

- Community building - OSM Fiji
- 1.5 year of activities online: ~60610 edits, 20 workshops
- Updating, editing - focus mainly on maritime islands

- Socialisation workshops and Crash Course Trainings



#11684 | OSM Fiji

MAP WHOLE OF FIJI - WEST VANUA LEVU AND VITI LEVU BUILDINGS

Fiji

TASKS INSTRUCTIONS CONTRIBUTIONS

Imagery: Please try to use the **MAXAR Standard Imagery**, which is more updated than Bing imagery.

Note: please wait for imagery to load before marking the task as unavailable.

Please align the imagery to existing features. See [ID Editor Imagery Adjustment](#) for this.

Instructions to Map Buildings

- See [this video](#) for a quick demonstration of mapping buildings in the ID editor.
- **Be sure to 'square' buildings.** In ID, with the feature selected, use the Q keyboard shortcut.
- Draw the entire building, even if it is partly covered by trees in the imagery.
- Buildings shouldn't overlap other buildings or road segments.
- Freestanding buildings shouldn't share nodes with their neighbours. In ID, holding down the 'alt' key will keep nodes from 'snapping' to each other.

TYPES OF MAPPING



IMAGERY

Maxar Standard

EDITOR

ID Editor



OSM Fiji: Initiatives, Experience and Opportunities

- HOT OSM Facebook

Community Impact

Microgrants

- Field data update and validation exercises focused on CBD
- Online events facilitated broader participation (Nepal, India, Philippines, Canada, Australia, NZ, Kiribati, Samoa and Tonga)



OSM Fiji: Initiatives, Experience and Opportunities

- Essential is forming partnerships to ensuring data maintains relevancy
- PCRAFI - OSM Fiji Mapathon
 - 2021 - Focus on utilising Pacific Risk Information System (PacRIS) and creating open data through OSM
 - 2022 - Focus on priority countries to improve/update building and roads to aid in-country surveys
- Open Mapping Hub Asia Pacific
 - Map and Chat Hour
 - Whole of Fiji Mapathon



PCRAFI II OPEN DATA FOR VERIFICATION MAPATHON

The **Pacific Risk Information System (PacRIS)** is built upon a GeoNode infrastructure, which manages and catalogues geospatial hazard and risk data according to geospatial metadata industry standard. This system (PacRIS) currently hosts more than 700 datasets across 15 Pacific Island Countries (PICs) which range from satellite imagery to project-related asset and hazard data generated from Phase I. Field surveys were also carried out in project countries to collect and validate detailed essential attributes for asset and hazard data that include buildings, utilities, roads and so forth. In particular, asset data provides the opportunity for updated and close to accurate information for disaster risk management.

Currently, **PCRAFI II** is underway, with in-country field data collection a priority. OpenStreetMap (OSM) data, primarily buildings and roads, provides the opportunity for the project field surveyors to both orient themselves and build on existing datasets. Therefore, there exists an opportunity for collaboration between OSM Fiji and PCRAFI II to map, update and leverage OSM data for project countries.



SATURDAY, JUNE 4th

Click on Zoom link below to join the meeting:
<https://bit.ly/3i3Ywtd>
Meeting ID: 934 1929 1062 Passcode: 678075

OSM Fiji: Initiatives, Experience and Opportunities



OSM Fiji Long Term

- Increased complexity and diversity of OSM map data (land use, road networks, street objects, disability access)
- Diversification of trainings/workshops
- Partnerships across the region
- Sustained contributions and community



CONNECT WITH US



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