

Report 2022 – Wikimedia Italia

(Italian Local Chapter OpenStreetMap)

In this report it is possible to find a summary of some of the activities organized, financed or supported by Wikimedia Italia during 2022 as the OpenStreetMap Local Chapter.

You can find the activities in detail (in italian language), archived in the associations wiki:

<https://wiki.wikimedia.it/wiki/OpenStreetMap/Attivit%C3%A0/Archivio>

- Integrated methodologies for mapping "Murgeo park" Aspiring UNESCO global geopark.

The project proposal "Integrated methodologies for mapping the "Murgeo park" Aspiring UNESCO global geopark" submitted by the YouthMappers@Uniba group included several phases of data collection through the OpenStreetMap platform using different methodologies, from field mapping through Fieldpapers, to the use of high-resolution images taken by remotely piloted aircraft, to classical remote mapping on OSM platform.

The area of interest falls within the so-called "Murgeo Park," an aspiring UNESCO global geopark.

One

of the main objectives was to make new geospatial data usable by tourists and

inhabitants of local communities, to enhance the area and promote its 'geo-awareness'. In

particular, several students from the Department of Earth Sciences and

Geoenvironmental of the University of Bari, trying to explain how the potential of these tools

of open mapping can be an integral part of land development.

The final product (the orthomosaic) was used in the remote mapping initiated during a special mapathon, which was attended by 10 people.

Also as part of the project the website of the YouthMappers@Uniba was also created.

https://wiki.wikimedia.it/wiki/Primo_bando_2022_per_progetti_dei_volontari/Metodologie_integrate_per_le_mappatura_del_%22Murgeo_park%22_Aspirante_geoparco_globale_UNESCO

- Birthday OpenStreetMap Italy

A meeting for the sixth anniversary of the Italian chapter of OpenStreetMap was held on January 30, 2022 on Wikimedia Italy's BigBlueButton platform.

Various groups from the Italian community presented their experiences and activities (WMI - OSM coordinators , UN Mappers , OSM Piemonte , Youthmappers Bari , PoliMappers , Map For Future , cOSMopoIT) and there was an official announcement for the organization of FOSS4G and SotM 2022 that were held in Florence.

To conclude, a mapathon (collective digital mapping) was done using the Italian Tasking Manager, developed by Wikimedia Italy.

The event was attended by 80 people including those who contributed to the Italian local chapter birthday and those who followed the live broadcast.

https://wiki.wikimedia.it/wiki/OpenStreetMap/Attivit%C3%A0/Compleanno_OpenStreetMap_Italia_2022

- State of The Map 2022

State of the Map (SotM) is the annual gathering of the global OpenStreetMap community, in 2022 the event was held in Florence from August 19-21 at the University of Florence, Centro Didattico Morgagni following the FOSS4G 2022 international conference where Wikimedia Italia was a partner. The organization of SotM at the local level was led by Wikimedia Italia (the local Italian chapter of OpenStreetMap) working closely with members of the Italian OpenStreetMap community with the support of the OpenStreetMap Foundation Working Group dedicated to the organization of SotM.

12 local team members were supporting the event, 10 people from the OpenStreetMap Foundation SotM Working Group, 6 Wikimedia Italia staff members, 2 Wikimedia Italia volunteers, 10 HOT (Humanitarian OSM Team) volunteers as well as 11 OSMer volunteers from around the world.

Over the 3 days, 406 people participated in attendance and 197 online via the Venueless platform.

The fifth edition of the academic track was an all-time record with over 40 abstracts presented, 9 talks + 10 lightning talks and 72 pages of articles with 20 papers published on zenodo: <https://zenodo.org/record/7004791>

As in previous editions, the Poster Contest was held, 31 posters proposed by the community were printed and exhibited throughout the event. The posters are available at: <https://2022.stateofthemap.org/posters/>

A total of 19 sponsors contributed to the event.

Four types of participation grants were offered by the international organization (Travel Grant Program).

SotM's Travel Grant Program was open from April 22 to May 6 through Wikimedia Italia's limesurvey instance. 201 applications came in from which the organizing committee made a ranking, choosing 40 people (1 person from Italy, 7 from Europe, 20 from other countries, and 12 remotely).

On the occasion of State of the Map 2022, Wikimedia Italia also provided scholarships to support the costs of participation in the event. Applications remained open from May 9 to 29 through Wikimedia Italia's limesurvey instance.

The 5-member committee selected 14 active contributors on the OpenStreetMap project of which 12 participated in the event for a total expense of 4395.37 EUR

Wikimedia Italia entered into an agreement with GFOSS.it where it committed to cover the costs (up to a maximum of 5000 EUR) of the venue (The University of Florence) for the FOSS4G workshop days and for SotM.

The association provided the OSM project manager, Anisa Kuci for community coordination and bureaucratic aspects for the organization of the event, led by Wikimedia Italia as the Local Chapter of OSMF, and the presence of volunteers and staff members during the SotM days.

It also granted the use of the infrastructure to manage the forms dedicated to travel grant programs and participation grants.

The association covered the expenses for 5 local team members for a total of 1534.09 EUR.

Wikimedia Italia acted as a guarantor as the leader of the local organization through 62 invitation letters signed by the president acting as a contact for all embassies in the countries where visas were required.

Wikimedia Italy had a booth available for the duration of State of the Map. At the booth SotM participants were offered contribution activities on Wikidata: those who added geographic coordinates to their country's Wikidata elements related to cultural institutions or other geographic objects received

a numbered ticket (95 were detached) and participated in a drawing for prizes, consisting of microfiber towels with the SotM 2022 logo. There were 2 draws per day, for a total of 6 draws. Other swag was produced and distributed at the booth like: OpenStreetMap pencils, different kinds of stickers and pins.

SotM 2022: https://wiki.wikimedia.it/wiki/OpenStreetMap/Attivit%C3%A0/State_of_the_Map_2022

Wikimedia Italia's grants to attend SotM:

https://wiki.wikimedia.it/wiki/Programma_borse_di_partecipazione_per_State_of_the_Map_2022

- Support and partnership of FOSS4G 2022

FOSS4G 2022 was held in Florence Aug. 22-28 at Firenze Fiera Congress & Exhibition Center, the Morgagni Learning Center of the University of Florence and the Fortezza da Basso, Arsenale Pavilion.

FOSS4G stands for Free and Open Source Software for Geospatial.

After the path made in 2021 ended with the approval of Florence's candidacy to host FOSS4G 2022

Wikimedia Italia participated in the conference as an official partner.

The partnership was defined with an agreement between the association and GFOSS.it as the lead organizer of FOSS4G 2022 where Wikimedia Italia committed to cover the costs (up to a maximum of 5000 EUR) of the venue (The University of Florence) for the FOSS4G workshop days and for SotM.

The association provided OSM project manager Anisa Kuci and OSM 2022 national coordinator Lorenzo Stucchi to select and manage 43 volunteers. They also supported the Travel Grant Program (to which 185 people applied) that helped 25 people from 23 different nations (10 from Africa, 7 from Europe, 4 from Asia, and 4 from America) attend the event.

In addition, Wikimedia Italia granted the use of its infrastructure to manage the forms dedicated to the Travel Grant Program and the call for volunteers.

FOSS4G 2022 was attended by 1044 people in attendance and 259 online who were able to attend 326 presentations on the general track, 76 presentations on the academic track, and 44 workshops.

https://wiki.wikimedia.it/wiki/OpenStreetMap/Attivit%C3%A0/FOSS4G_2022_Firenze

- OSMCha feature development

After some discussions started in OSM channels for the integration of OSMCha features, as indicated in the public discussions on the OSMcha github page, the OSMCha developers were contacted to implement the changes requested by the Italian community, namely the development of a new feature to allow users to filter any changeset using an OSM key:value tag.

The requested change made it possible to add among the filters for changesets also the filter based on the tags changed in the changeset. The newly created filter allows users to enter any key and value pair (key and value) and show changesets that have modified those tags. OSMCha sent a document with a project proposal, cost, and timeline, which was discussed with members of the Italian community who showed interest in pursuing the initiative and gave their willingness to check the quality of the work that was done by giving their feedback and testing the tool at various stages of development.

This development could help resolve errors that occur now, such as OSMCha's incorrect assignment of changesets in the case of changes made with StreetComplete.

https://wiki.wikimedia.it/wiki/OpenStreetMap/Attivit%C3%A0/Sviluppo_funzionalt%C3%A0_OSMCha

- OSM Italy website

A website has been created that aims to support the Italian mapping community with some essential services such as a base map and some different styles of data visualization. The site is a container of some of the tools already present and available to the Italian OpenStreetMap community.

The work of creating the site was divided into two phases:

- the creation of a world map style based on OpenStreetMap data
- the creation of the site

For the first phase, two map styles were created, one hiking and one in Italian.

For the second phase, after the work already done in 2021, where GISdevio and Wikimedia Italia provided content definition, the activities were completed in 2022, the site can be found at

<https://www.osmit.it/>

This is an ongoing activity and will be completed during 2023.

https://wiki.wikimedia.it/wiki/OpenStreetMap/Creazione_sito_OpenStreetMap_Italia

- OSM Tasking Manager & OSM extracts for Italy

Tasking Manager is an interface through which individual contributors can work in teams to produce mappings that feed into the OpenStreetMap project of the OpenStreetMap Foundation. The Tasking Manager makes it possible to coordinate mapping activities in areas most vulnerable to disasters so that aid actions can be better directed in emergency situations.

OSM extracts: are files that contain OpenStreetMap data for individual continents, countries, and metropolitan areas. The combination of Tasking Manager and OSM Extracts is very useful in emergencies. In fact, during the day and/or in the evening, volunteer OSMers can remotely map a specific area of the Italian territory, while the following morning the teams engaged in the field to help the population can easily download the updated data. As for Local Extracts, it is possible to download the data in OSMs from all over Italy, by region, province or municipality in various formats (GPKG - OGC GeoPackage, PBF - Protocolbuffer Binary Format, OSMAND OBF - OsmAnd Binary Maps Format) depending on the scale.

The volunteers of the committee formed for the development of the Tasking Manager and Extracts OpenStreetMap Italy were responsible for identifying the specifications necessary for the improvement of these services, they indicated the following actions as necessary for a more appropriate functioning of the tools.

The main activities were:

- Updates of the Tasking Manager instance (<https://osmit-tm4.wmcloud.org>) in the Docker format to the latest stable version released by the Humanitarian OpenStreetMap Team (HOT) in the repository (<https://github.com/hotosm/tasking-manager>). A total of 2 updates were planned, the first between October and November 2021 and the second by February 2022.
- Customization of the Tasking Manager interface graphics within the limits of the possibilities offered by the source code. It is ensured that the customization does not have to be recreated with each update.
- Bugfix/evolution of the "OpenStreetMap Italy Extracts" (<https://osmit-estratti.wmcloud.org>) to include the following changes: addition of a reference to the instant of creation (timestamp) in the name of the extracts file generated on the server; fix of the bug that does not allow municipalities within the Friuli-Venezia Giulia region to be displayed correctly (reported in https://github.com/GISdevio/estratti_OSM_Italia/issues/13).
- Bugfix to the Tasking Manager instance and the "OpenStreetMap Italy Extracts."

- Evolution of the "OpenStreetMap Italy Extracts" by extracting the house numbers for each municipality, province and region and making a dashboard to show the temporal progress of the quantities of house numbers present. The dashboard provides only a summary table of the quantity of house numbers present for each municipality, province and region and a visualization (e.g. plot or histogram) that will show the temporal detail for each municipality, province and region.
- Implementation of an analytics system to monitor the number of accesses and the level of use of the platform, for example, to understand which thematic extracts are downloaded most frequently, and/or in which format, and/or for which municipality/province/region. The system is implemented using the open source tool Matomo Analytics (<https://matomo.org>).

https://wiki.wikimedia.it/wiki/OpenStreetMap/Attivit%C3%A0/Tasking_Manager_e_Estratti_OSM

- OpenstreetMap trainings for CNGEI scouts

The collaboration with CNGEI scouts began with the idea of doing dedicated OSM trainings held by one or two experienced OSMers, with the goal of preparing scouts to then do mapping.

On March 12-13, 2022, a training event was held in Vicenza by the regional OpenStreetMap coordinator where 9 scouts participated along with two scout leaders. On Saturday afternoon OpenStreetMap was presented and each scout proceeded to create their OSM account. After completing the guided exercise, remote mapping through this project was given a trial run. At the conclusion of the first day, mapping of the area housing the workshop was done. The next day after an analysis of the area made the night before, streetlights (theme "safe evening routes"), recycling bins, crosswalks and bus stops (theme "useful information for citizenship") were mapped on Field Papers and information was entered on OSM.

https://wiki.wikimedia.it/wiki/OpenStreetMap/Attivit%C3%A0/Collaborazione_WMI_e_Scout_CNGEI_2022