YouthMappers — FOSDEM 2021

Laura Mugeha · FOSDEM 2021, Geospatial

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YouthMappers

Building a global community of young changemakers using open maps

Laura Mugeha

D.geospatial

2021-02-07



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LAURA MUGEHA



- Geospatial engineer
- YouthMappers Regional Ambassador

FOSS Advocate



youthmappers

WHO WE ARE

We are a global network of student led university clubs. We are mainly funded by the USAID Geocenter and organized by four universities: Texas Tech University, Arizona State University, George Washington University and the West Virginia University.

WHERE WE ARE

We are distributed across the globe with a total of 222 chapters in 50 countries. Our chapters consist of both undergraduate and postgraduate students with support from faculty as chapter mentors.

WHAT WE DO

We leverage open technology to create open geospatial data on OpenStreetMap that can be used for various purposes including humanitarian responses and more



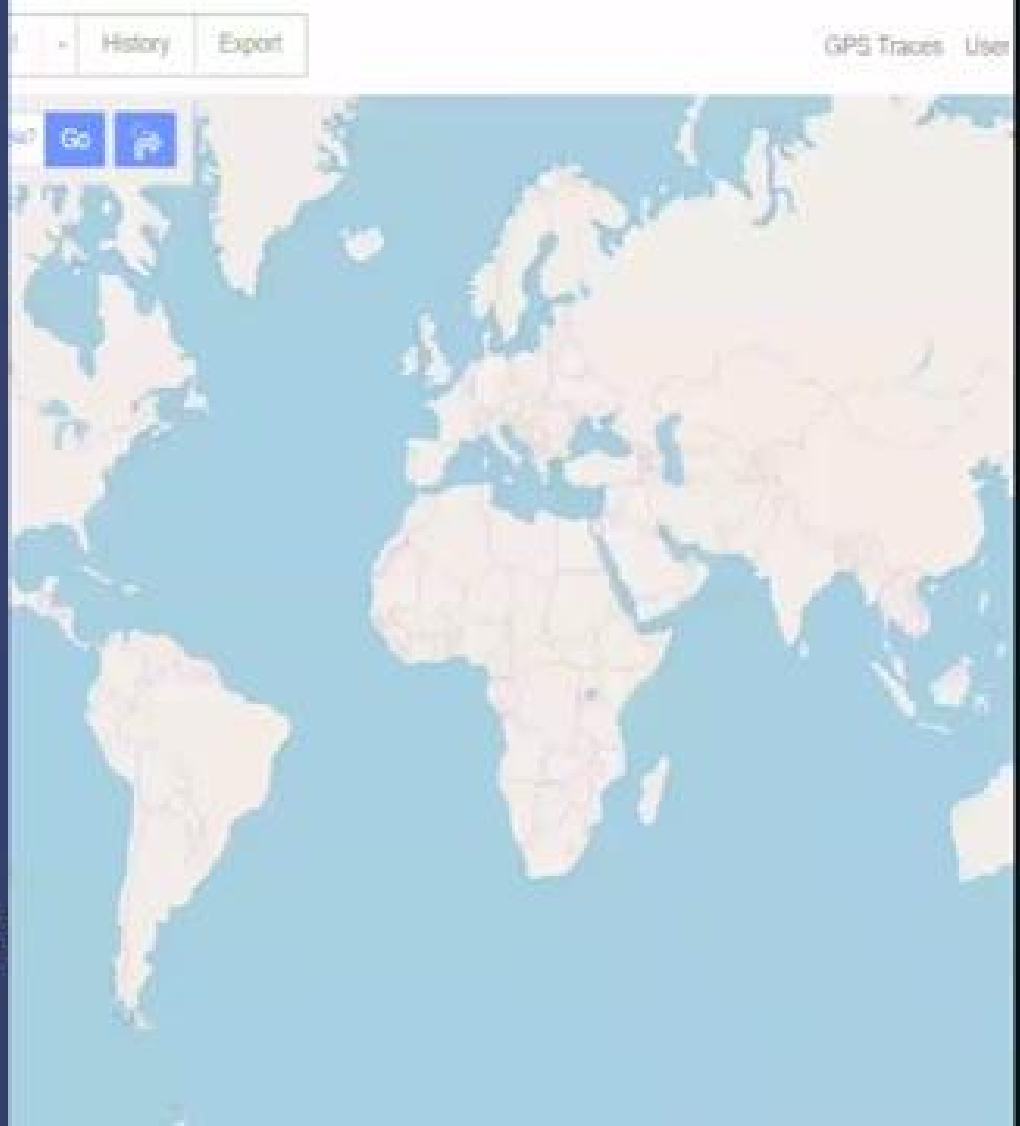
Structure & Model

Youth-driven
The network members are students: both undergraduate and postgraduate students.

Youth-led
Chapters adopt different leadership structures but are fully led by students with the support of a faculty mentor.

Youth-centred
Activities are focused on elevating youth voices and building today's and tomorrow's leaders.





OpenStreetMap

Is a collaborative project to create a free editable world map

OSM WORKS THROUGH

Local knowledge
Community organization





ATA IS

- Built by a community of mappers that contribute and maintain data

ATA IS

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mprove it with local knowledge

Why we map

Need for data-informed decisions

Implementation of impactful and sustainable solutions

Need for geospatial data

All problems are location based therefore all solutions must be location specific.



uthMappers Activity map



YouthMappers and the SDGs

Various projects that YouthMappers chapters are engaged in are linked to the 2030 sustainable goals and are further using information technology to provide sustainable solutions to local challenges that are faced daily.

SDG 3: GOOD HEALTH AND WELL-BEING

1 COVID-19 Response - Uganda

YouthMappers chapter worked together with their national Red Cross organization and their local OpenStreetMap Community to map all the borders of the country.

2 COVID-19 Response - USA

YouthMappers chapter created a web-map highlighting COVID-19 community resources for their county: health facilities, meal relief centers with updated information on opening hours etc.





SDG 4: QUALITY EDUCATION

SDG 5: Gender equality

Let Girl's Map & EverywhereShe Maps

Let Girl's Map is a YouthMappers initiative that runs annually from the International Women's Day in March to the International Day of the Girl in October.

YouthMappers chapters organize and support mapping initiatives that support and/or address women's and girls issues.

youthmappers.org/letgirlsmap

youthmappers.org/everywhereshemaps







SDG 17: PARTNERSHIPS FOR THE GOALS

Through sustainable partnerships with a number of organizations YouthMappers is able to successfully conduct its activities globally.

We also work closely with local organizations and governments so to work on and implement solutions built by people for people.

youthmappers.org/partners

Our Impact

Global learning

Engaging with youth globally: we are learning from each other and making meaningful collaborations.

Digital development

Using data and technology to address development challenges.

Sustainable Development

We are not only teaching about sustainable development but also teaching for the SDGs.

Youth Leadership

We are nurturing young leaders who are already creating change within their communities.





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