



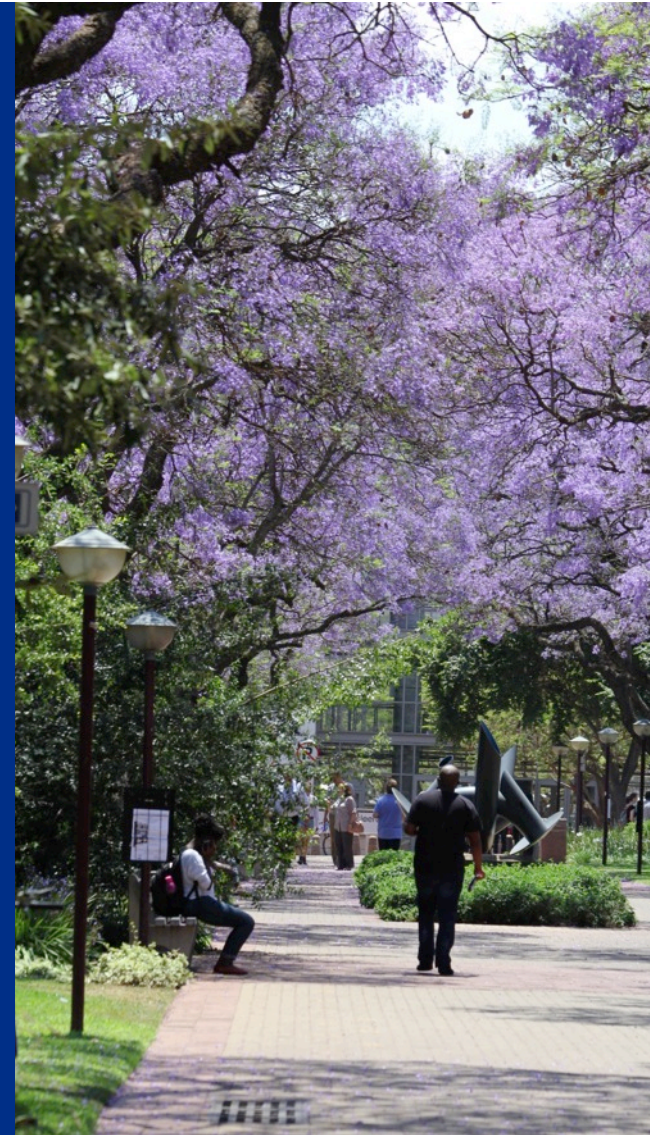
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YouthMappers: a global network to empower students in mapping the world

Presented by Victoria Rautenbach

Co-authors: Marco Minghini, Serena Coetzee, Patricia Solis

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The team

Marco Minghini
Politecnico di Milano, Italy



Patricia Solis
Texas Tech University, USA

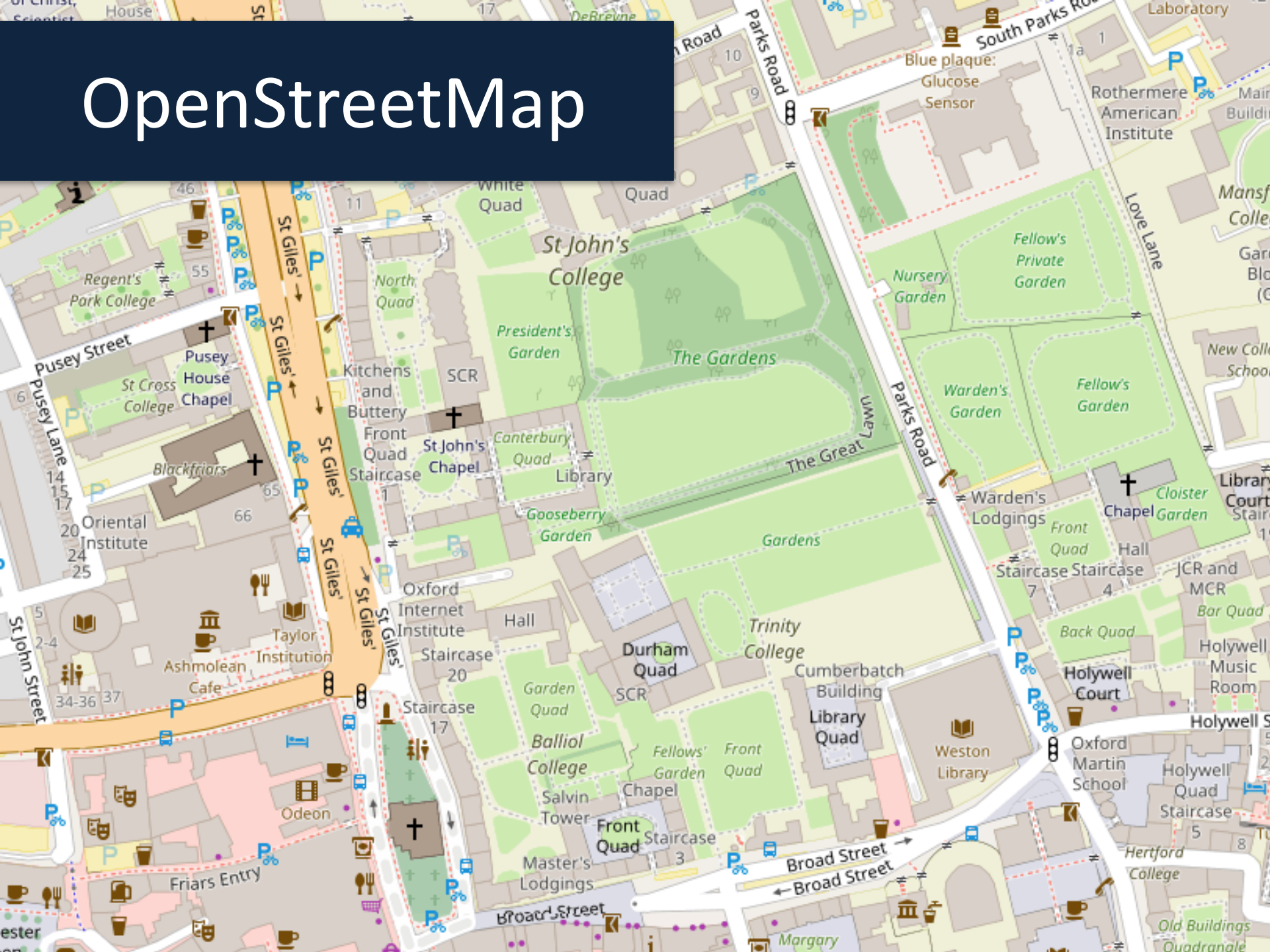


Serena Coetzee
University of Pretoria, South Africa



Victoria Rautenbach
University of Pretoria, South Africa

OpenStreetMap



OpenStreetMap

- OSM is a database used in various humanitarian projects, such as mapping during disaster relief operations or malaria elimination campaigns
- In some parts of the world, for example certain areas in Mozambique, no official cartographic data is available and hence OSM can play a crucial role

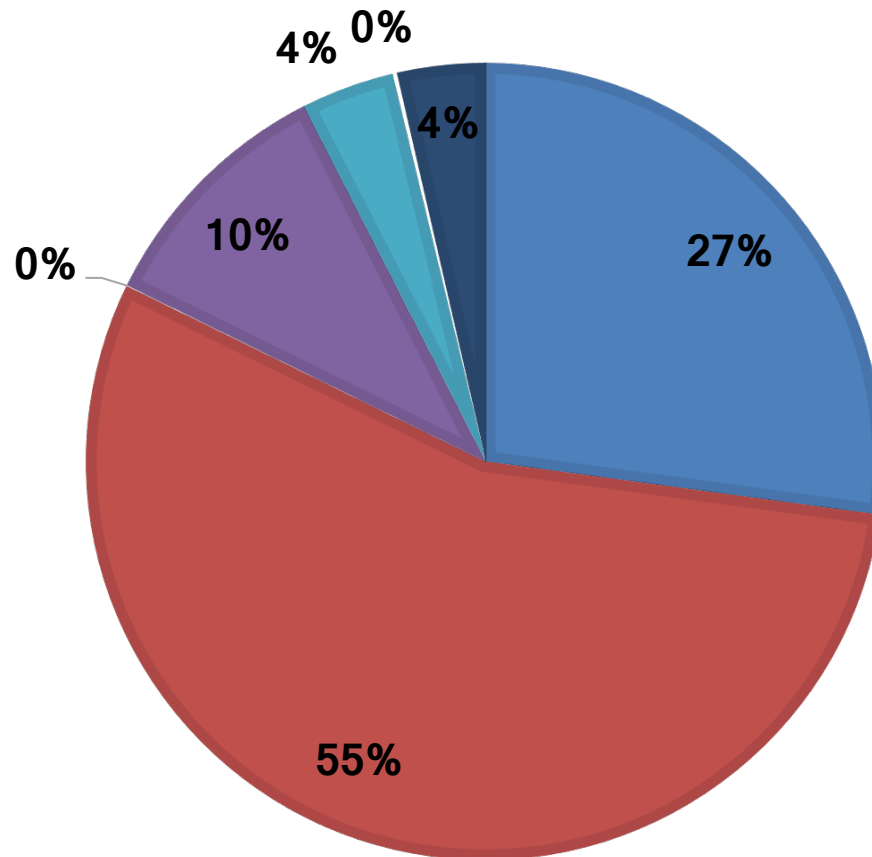
Unmapped Places of OpenStreetMap

August 2016



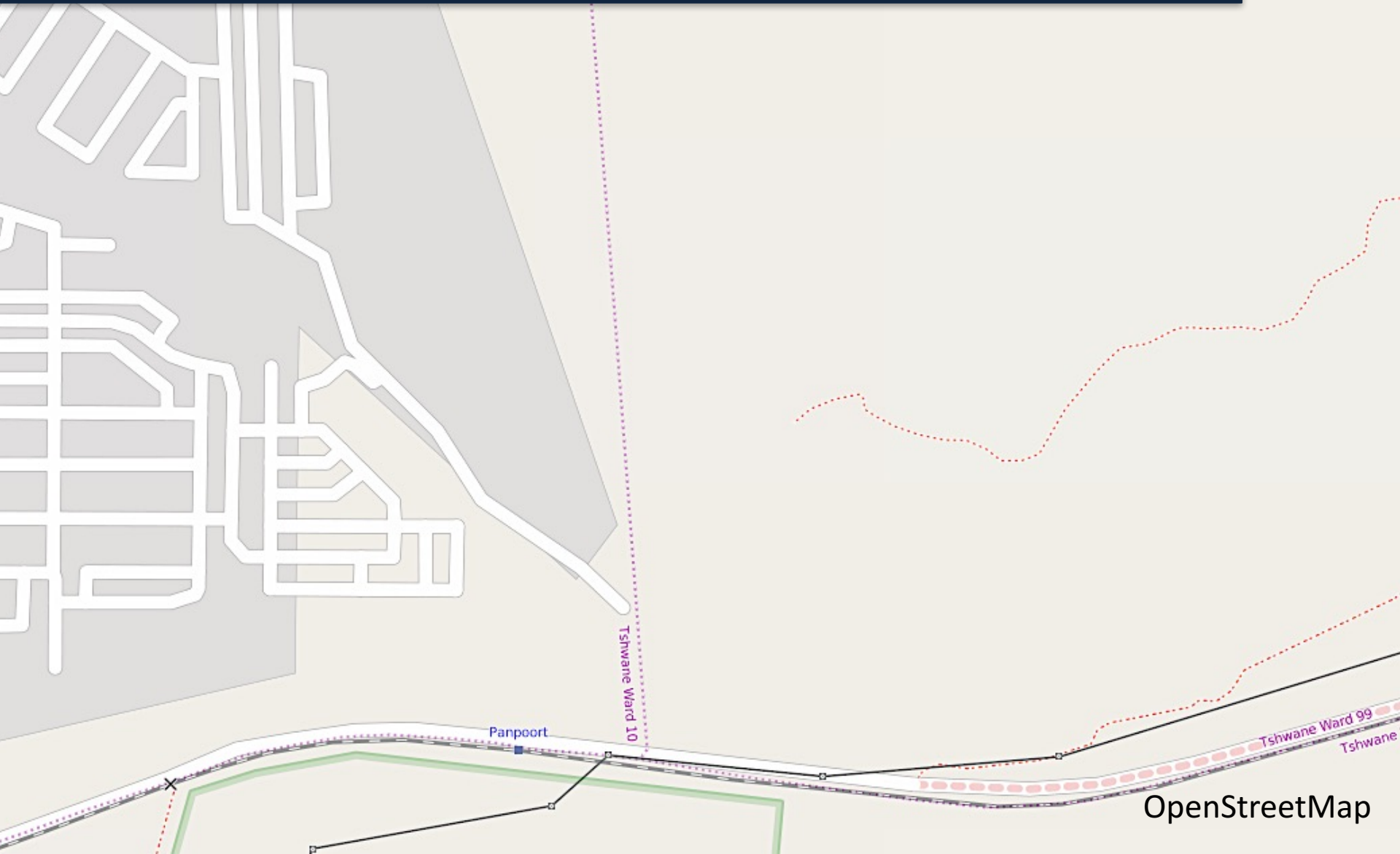
Source: <https://resultmaps.neis-one.org/unmapped#2/37.2/-1.2>

Unmapped Places of OpenStreetMap

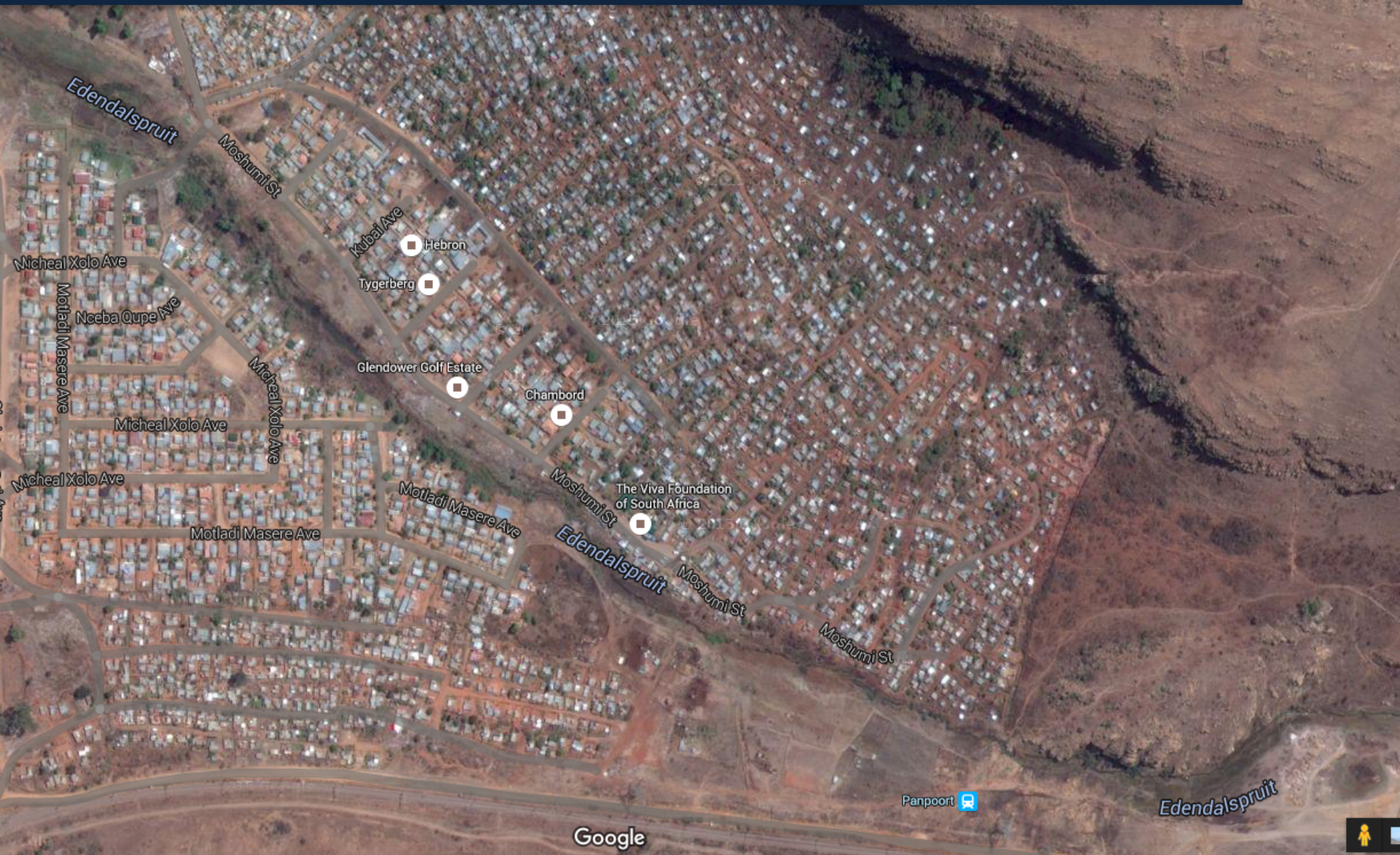


Source: <http://neis-one.org/2016/06/unmapped-places-osm/>

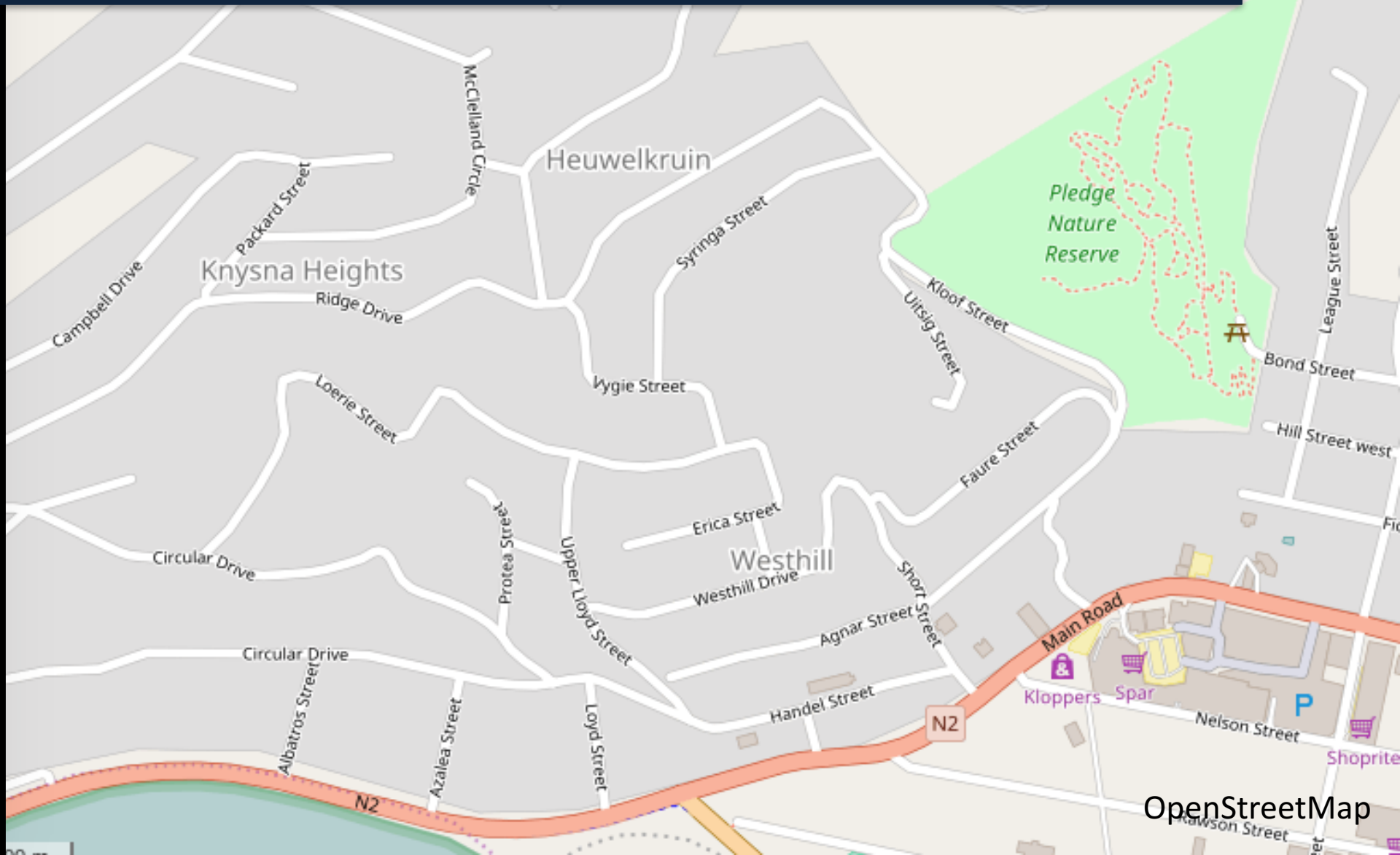
Why are mapathons important ?



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Mapathons

- A mapathon (literally “map marathon”) is a collaborative effort that is an effective method of collecting map data in unmapped areas

YouthMappers

- Global initiative (<http://www.youthmappers.org>)
- Cultivate a generation of young leaders to create resilient communities and to define their world through mapping
- *“We don’t just build maps. We build mappers”*
- Provide students with an opportunity to actively engaging in OSM-based collaborative mapping efforts internationally



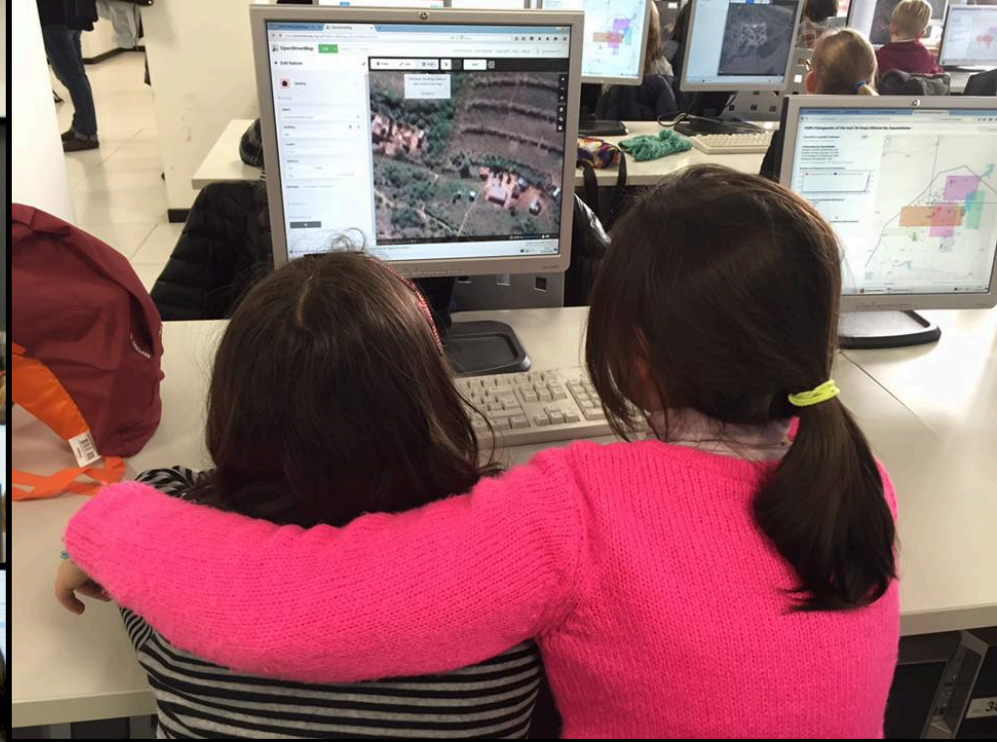
YouthMappers chapters



Source: <http://www.youthmappers.org/chapters>

Politecnico di Milano, Italy

- Students' mapathons are organized monthly
 - Field-mapping (e.g. to improve the OSM map of the university); or
 - Remote mapping on humanitarian tasks; learning sessions on OSM editing tools are also held periodically

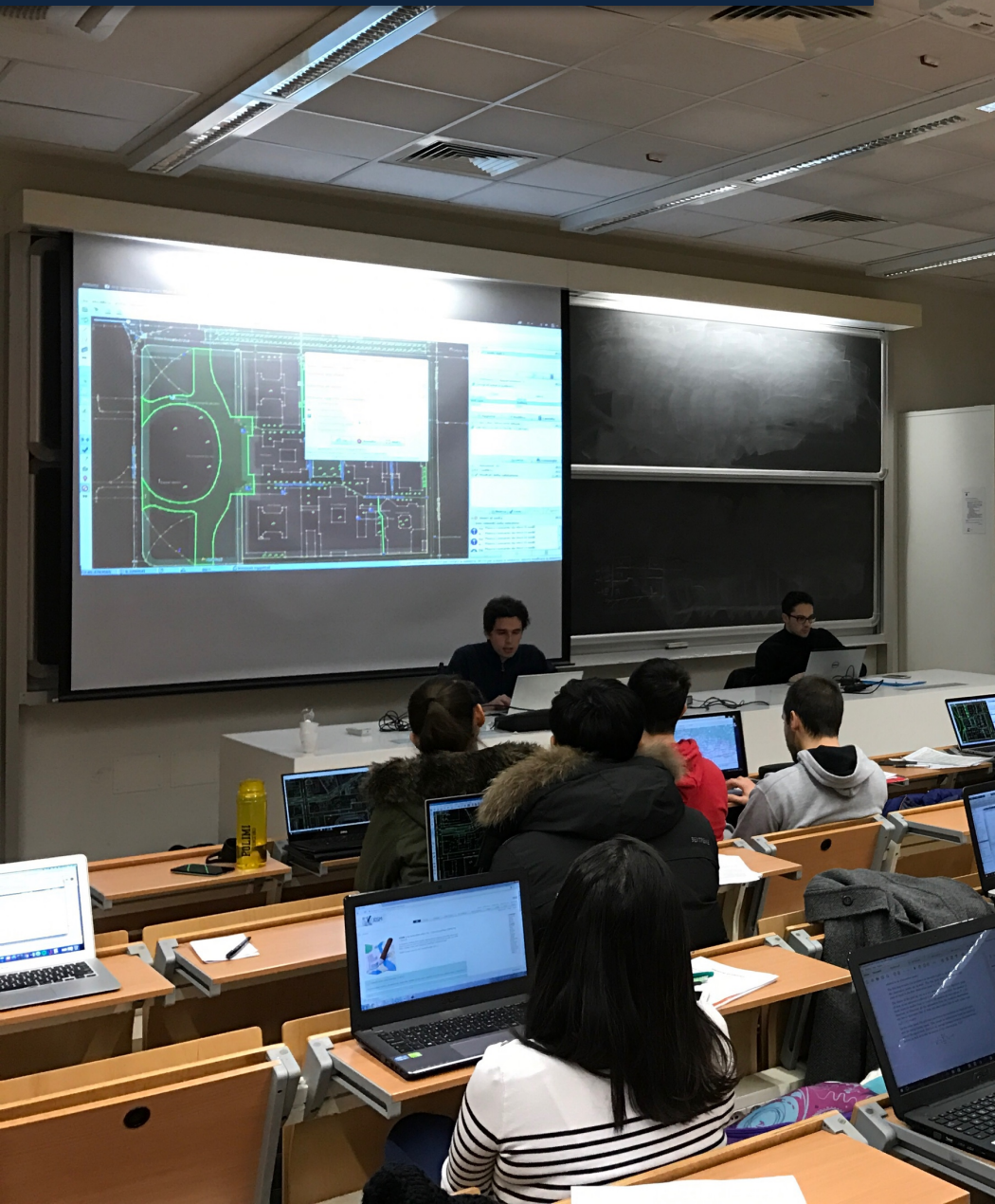


Mini-mapathon



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Campus mapping



Armchair mapping



MapTime



A group of 15 people, mostly young adults, are posing for a group photo on a grassy mountain ridge. They are arranged in several rows, with some sitting on the ground and others standing or crouching. The background features a vast landscape of rolling green hills and a valley with a small town visible in the distance. The sky is a clear, bright blue. In the top right corner, there is a dark blue banner with the text "Field mapping" in white. On the left side of the image, there is a wooden signpost with several directional arrows and text, partially obscured by the group. The overall scene suggests a field trip or a hike in a mountainous region.



Texas Tech University, USA

- Students organize mapathons several times per year
- Dedicated service-learning course for credit where they work on teams with other students around the world to map the same areas and research the humanitarian or development issue affecting the region

Data scholar Indonesia



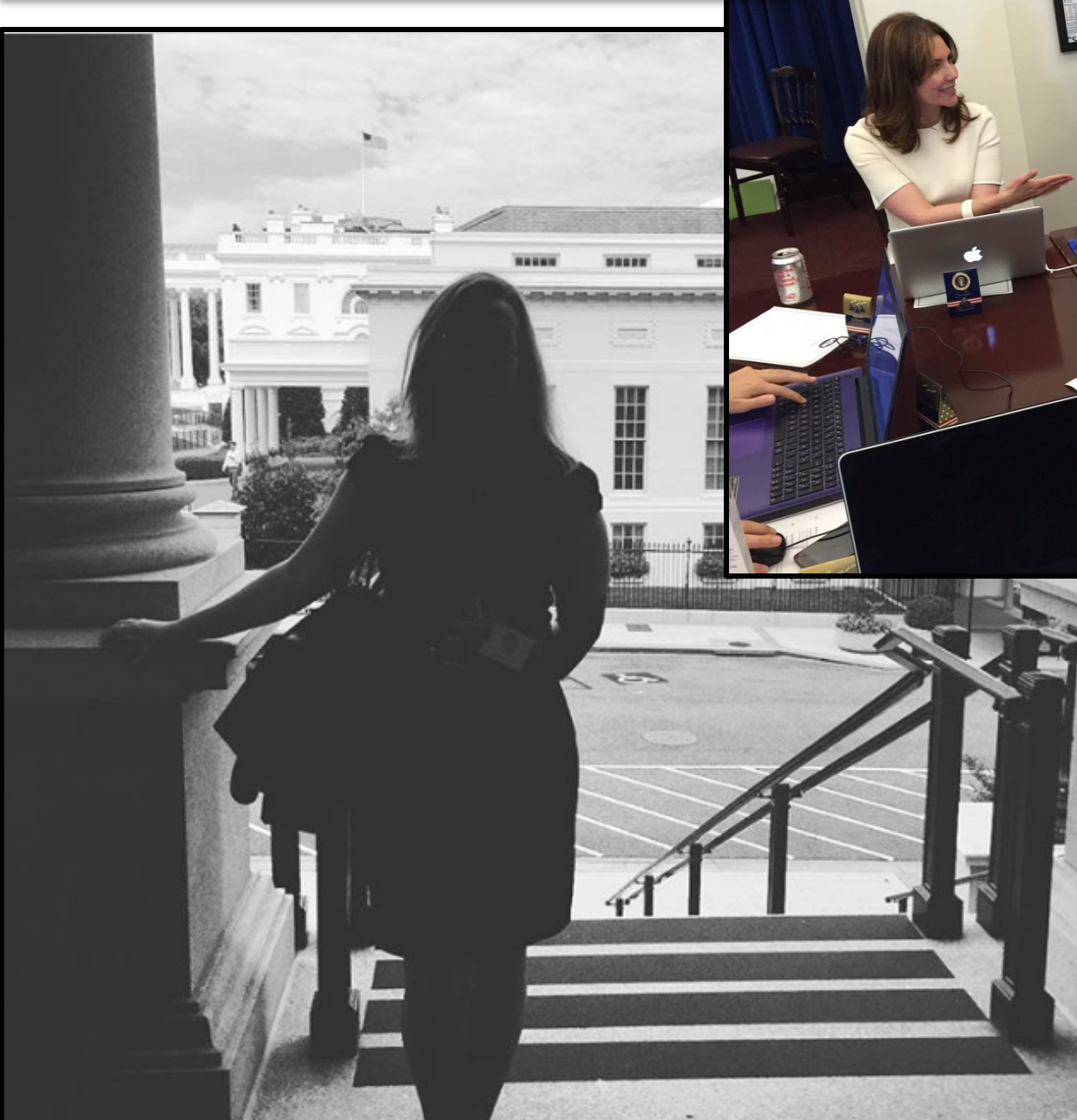
Leadership Fellows - Nepal



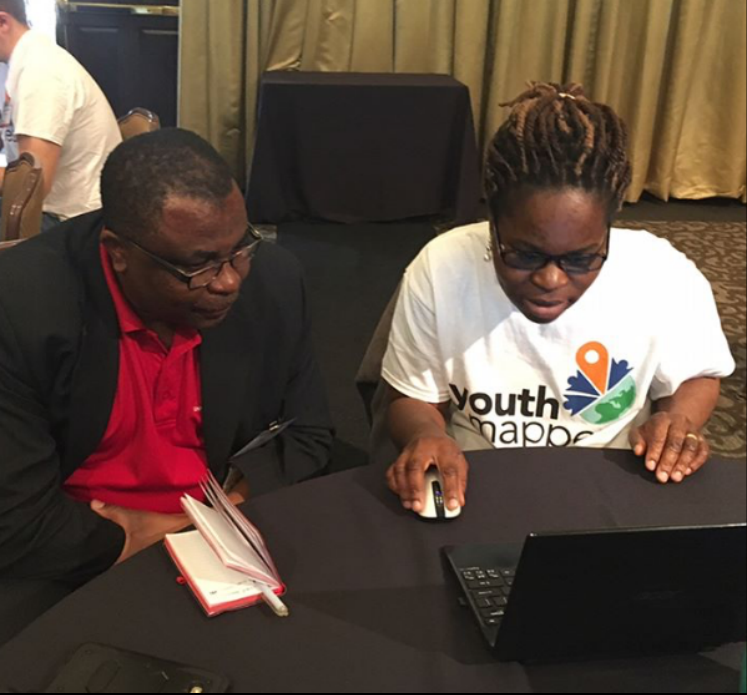
Texas High schools



White house mapathon



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Mapathons

University of Pretoria, South Africa

- Monthly mapathons are held and each mapathon focusses on a different area
- Extra credits are offered to encourage participation



Celebrating International Open Data Day



Children's map drawing

Field mapping of an informal settlement



Student mapathons



Engaging with schools



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Lessons learned

- From our experiences, it became evident that even though OSM tools are user-friendly, students do need some training, and a short training video as part of the introduction presentation was developed
- Additionally, understanding the purpose for a mapathon in an area, motivates and encourage active participation and ensures that quality data is captured



Virtual meetings



Lessons learned

- Internationally students participate and learn from other YouthMappers chapters through regular organized web conferences
- In conclusion, incorporating mapathons into the curriculum encourages students to contribute needed data required for humanitarian projects
- Simultaneously, students get practical experience in data capturing and awareness is raised of humanitarian challenges in other parts of the world

How to get involved?

- Contact your local University
 - At the University, we are happy to visit your school and work with the learners.
- JuniorTukkie programme



Acknowledgement

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Thank you.

Thank you

www.up.ac.za/cgis