

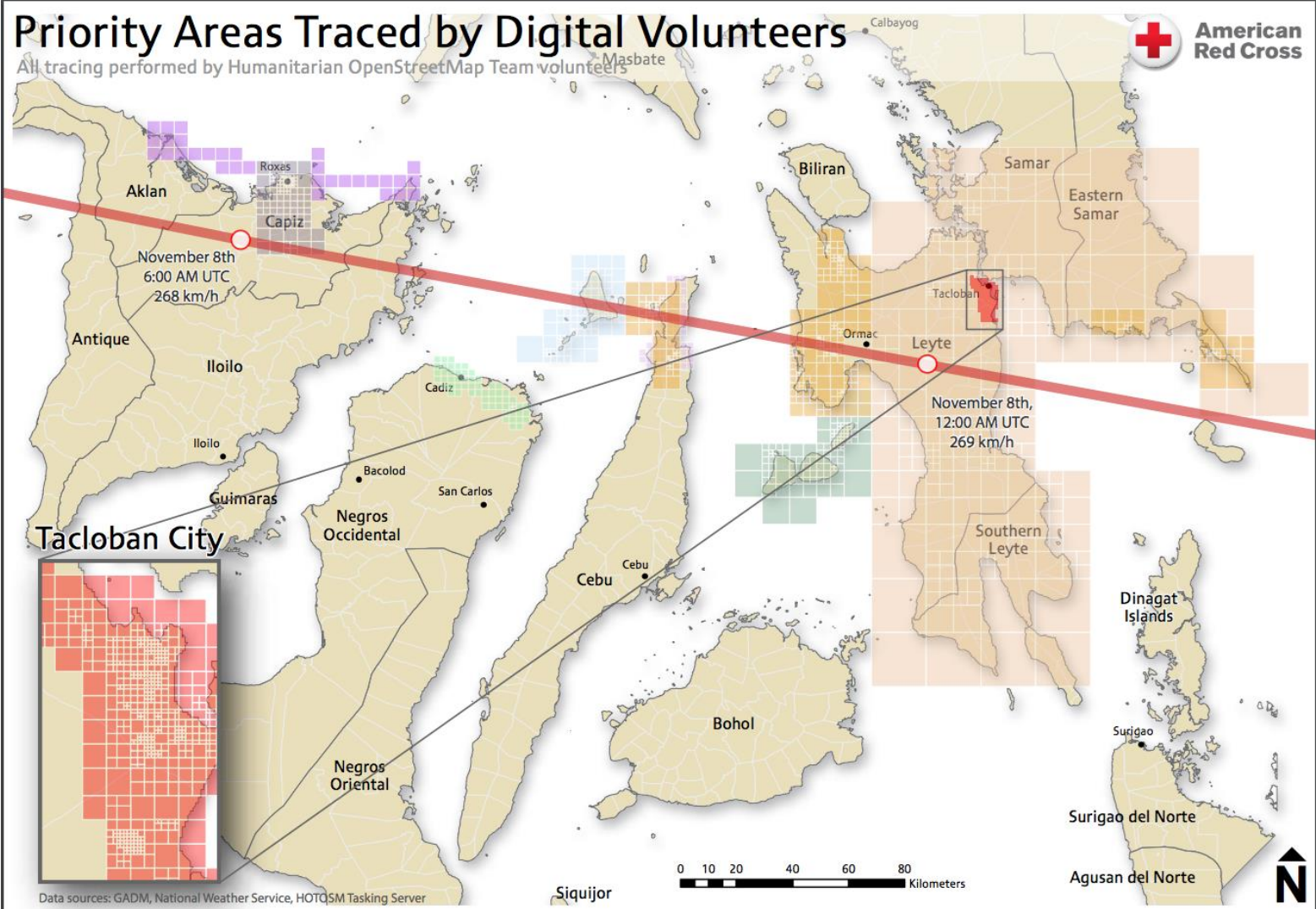


**Humanitarian OpenStreetMap Team**  
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**mikel.maron@hotosm.org**

# Priority Areas Traced by Digital Volunteers



All tracing performed by Humanitarian OpenStreetMap Team volunteers



Data sources: GADM, National Weather Service, HOTOSM Tasking Server

**Target 11.5 By 2030, significantly reduce the number of deaths and the number of people affected...by disasters, including water-related disasters, with a focus on protecting the poor and people in vulnerable situations**



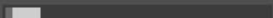
# Malaria Elimination Mapping

Volunteers from all over the world are contributing to eliminate malaria by mapping buildings of impacted communities. Mapping data helps to inform malaria prediction models, and deploy resources in communities like spraying campaigns.

[Start mapping now →](#)

**2,360**

buildings mapped by **Jul 9, 2016**



## Mapping Projects



Zambia



Botswana



Zimbabwe



Laos



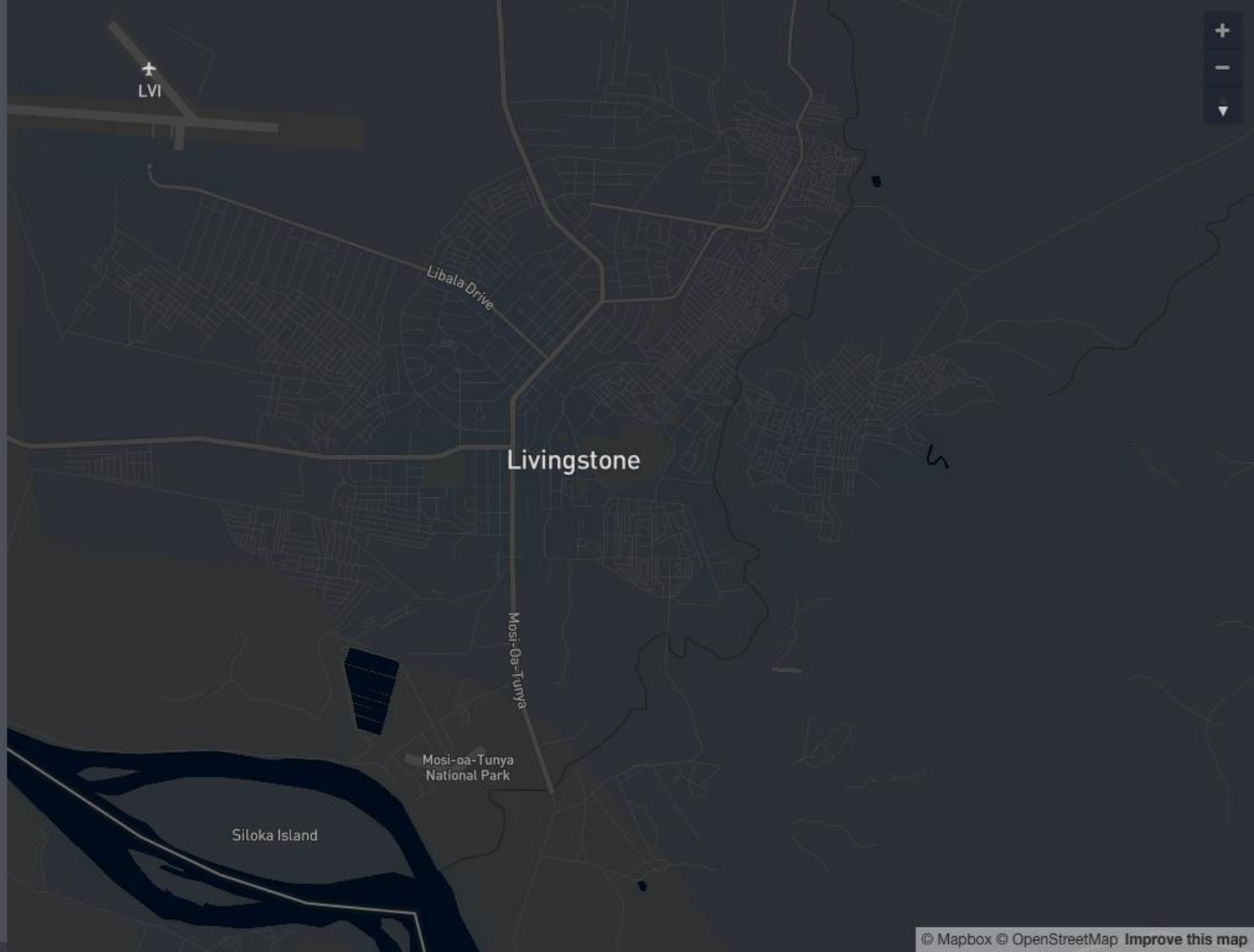
Cambodia



Honduras



Guatemala



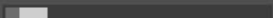
# Malaria Elimination Mapping

Volunteers from all over the world are contributing to eliminate malaria by mapping buildings of impacted communities. Mapping data helps to inform malaria prediction models, and deploy resources in communities like spraying campaigns.

[Start mapping now →](#)

## 12,604

buildings mapped by **Jul 23, 2016**



### Mapping Projects



Zambia



Botswana



Zimbabwe



Laos



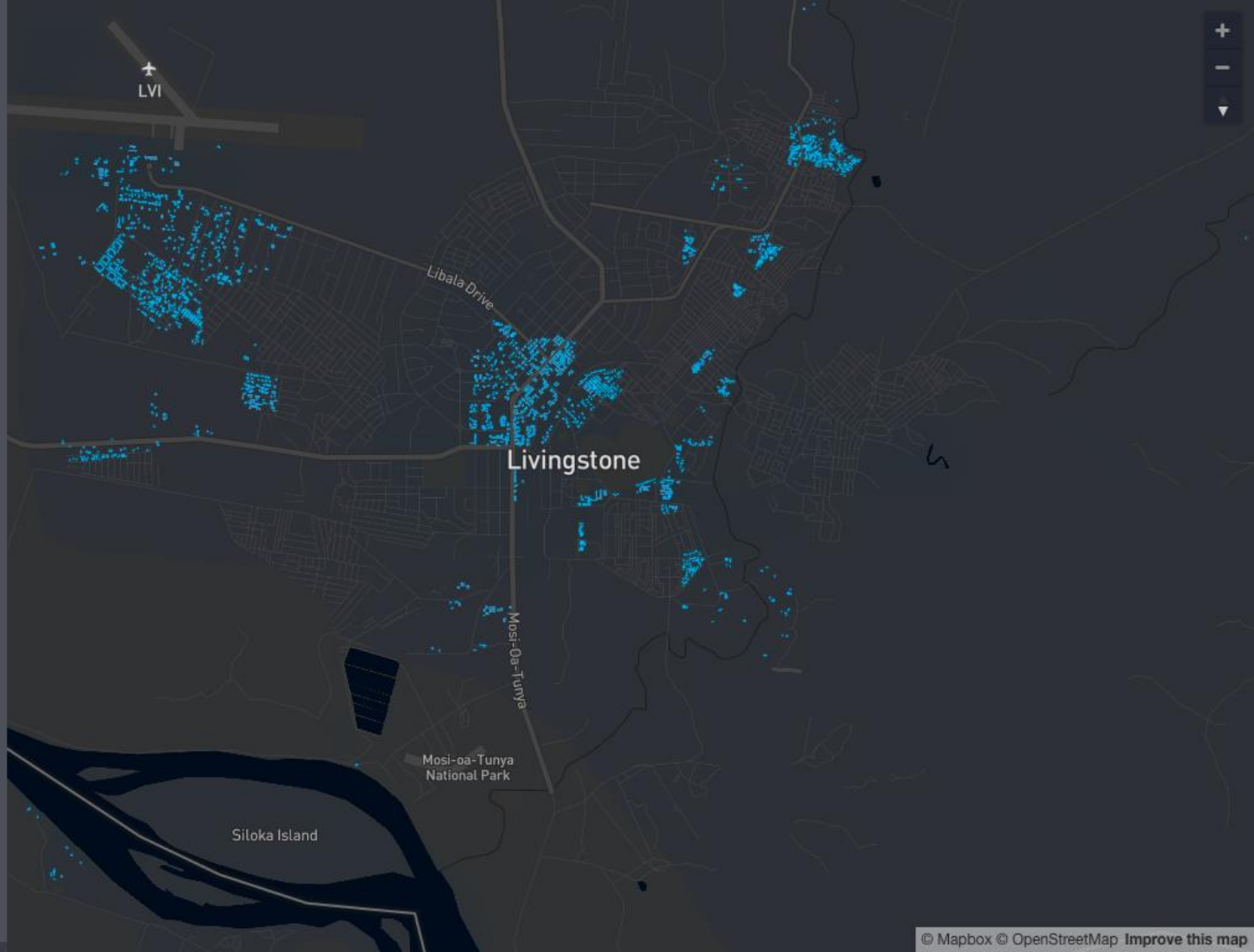
Cambodia



Honduras



Guatemala



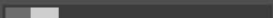
# Malaria Elimination Mapping

Volunteers from all over the world are contributing to eliminate malaria by mapping buildings of impacted communities. Mapping data helps to inform malaria prediction models, and deploy resources in communities like spraying campaigns.

[Start mapping now →](#)

## 25,830

buildings mapped by **Aug 12, 2016**



### Mapping Projects



Zambia



Botswana



Zimbabwe



Laos



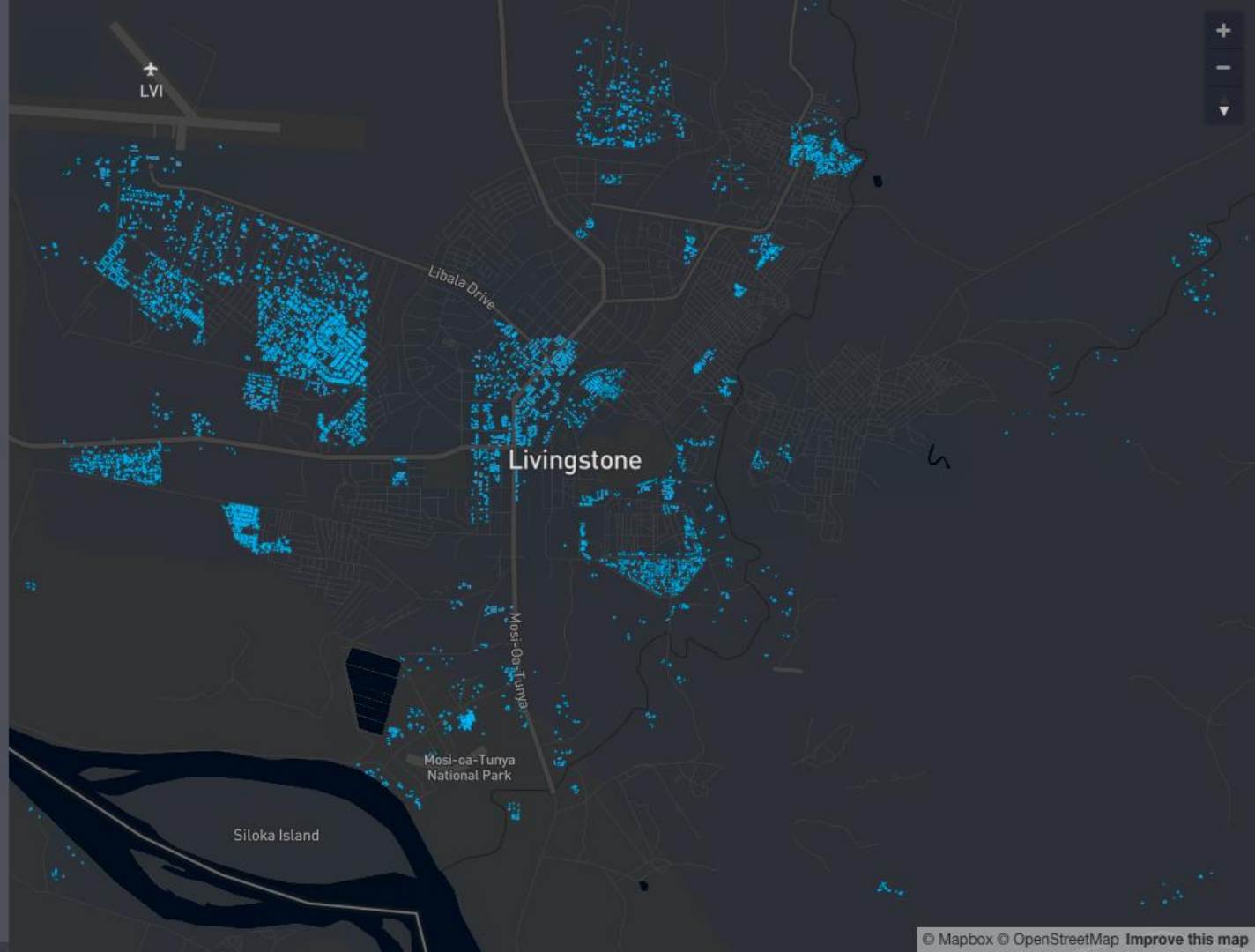
Cambodia



Honduras



Guatemala



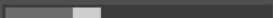
# Malaria Elimination Mapping

Volunteers from all over the world are contributing to eliminate malaria by mapping buildings of impacted communities. Mapping data helps to inform malaria prediction models, and deploy resources in communities like spraying campaigns.

[Start mapping now →](#)

**62,028**

buildings mapped by **Oct 30, 2016**



## Mapping Projects



Zambia



Botswana



Zimbabwe



Laos



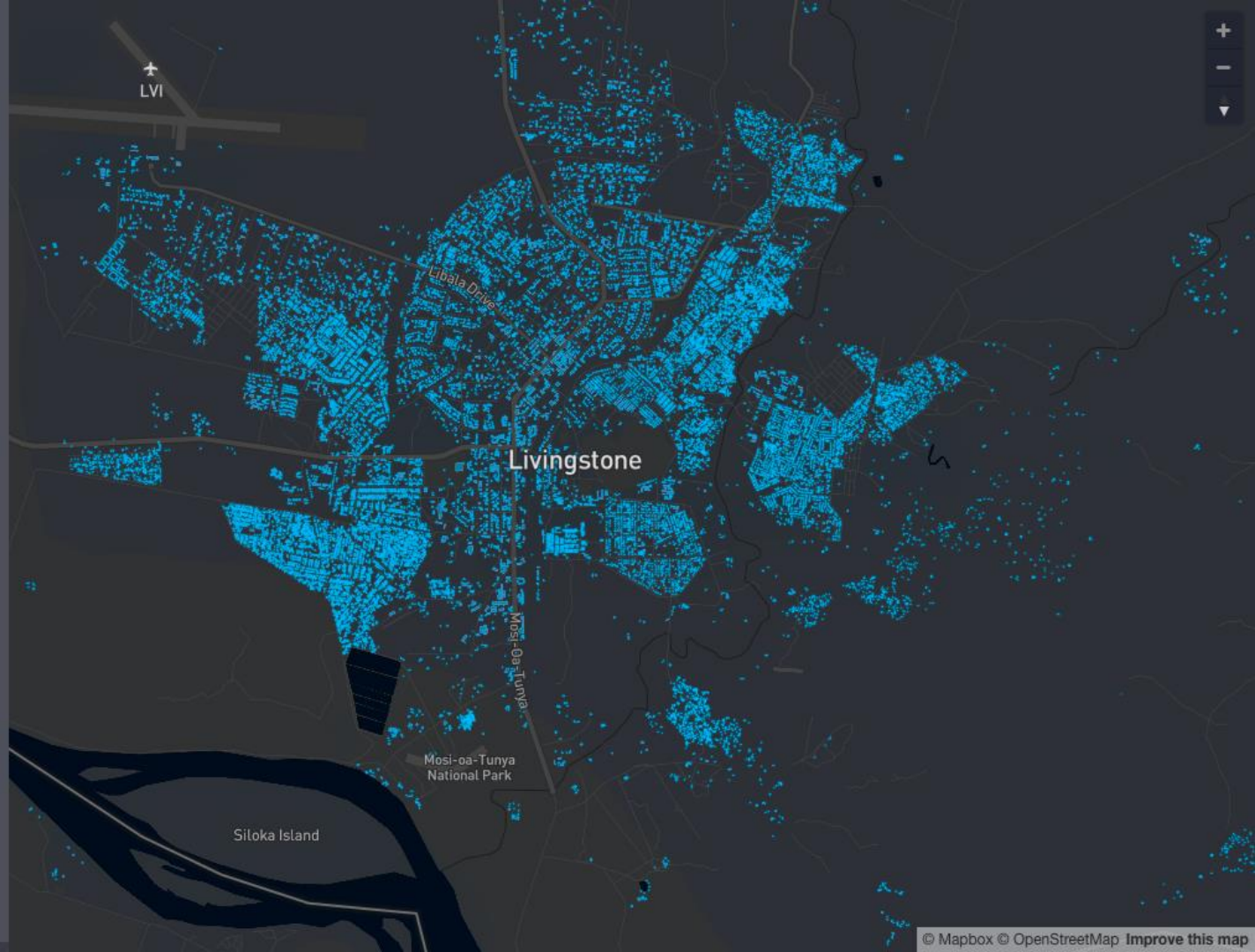
Cambodia





Honduras



Guatemala



Goal		Project ideas
	<b>Goal 1: End poverty in all its forms everywhere</b>	<ul style="list-style-type: none"> <li>Mapping financial services to identify gaps and advocate for increased access to basic financial services, including microfinance.</li> </ul>
	<b>Goal 2: End hunger, achieve food security and improved nutrition and promote sustainable agriculture</b>	<ul style="list-style-type: none"> <li>Map access to food, such as household garden plots, outdoor markets, and grocery stores in order to identify food deserts.</li> <li>Identify unused urban spaces that can be transformed into community garden plots.</li> </ul>
	<b>Goal 3: Ensure healthy lives and promote well-being for all at all ages</b>	<ul style="list-style-type: none"> <li>Map areas affected by disease outbreaks to more effectively track new cases and transmission on the ground, aimed at ending the epidemics of AIDS, tuberculosis, malaria, and neglected tropical diseases.</li> <li>Use OSM for mapping communities in Mozambique (houses, roads, water bodies, etc.) for indoor residual spraying with insecticides and insecticide-treated mosquito nets distribution. This action helps in the identification of settlements and houses and access ways leading to them for the spraying and mosquito net distribution with the aim of decreasing and ending malaria outbreaks, reducing maternal, neonatal, and under-five deaths, and improving developing nations' capability to face health risks like malaria.</li> <li>Map incidence of households displaying healthy behaviors; for example, sleeping under a long-lasting insecticide-treated bednet in malarious countries or seeking timely care when ill.</li> <li>Map barriers to healthcare services, such as the distance people must travel for healthcare and the cost of transportation.</li> <li>Map spaces that are accessible or inaccessible to people with disabilities.</li> </ul>
	<b>Goal 4: Ensure inclusive and quality education for all and promote lifelong learning</b>	<ul style="list-style-type: none"> <li>Provide vocational training in the latest open source GIS tools to substantially increase the number of youth and adults who have relevant skills, including technical and vocational skills, for employment, decent jobs, and entrepreneurship.</li> <li>Map barriers to education, such as the distance students must travel to school and unsafe or vulnerable areas en route to or near schools.</li> </ul>

		<ul style="list-style-type: none"> <li>Create detailed maps of schools in a given community, along with information about school size, number of teachers, number of bathrooms available, etc., to empower parents when they choose a school for their children.</li> <li>Engage students in on-the-ground geographic data collection to improve map literacy and spatial awareness, as well as empower students to have a say in how their community is represented on the world map.</li> </ul>
	<b>Goal 5: Achieve gender equality and empower all women and girls</b>	<ul style="list-style-type: none"> <li>Engage girls and women in mapping areas of their community that are unsafe or pose serious risks and empower them to advocate for change by working with community leaders, local government, police, and civil society.</li> <li>Create asset maps of services and resources, such as women's health clinics and women's vocational training centers.</li> <li>Provide opportunities to young women through hiring practices (e.g. Outreachy interns) and training opportunities to enhance information and communications technology skillsets to promote the empowerment of women.</li> <li>Protect girls at risk of female genital mutilation</li> </ul>
	<b>Goal 6: Ensure access to water and sanitation for all</b>	<ul style="list-style-type: none"> <li>Provide training and mapping water and sanitation to strengthen the participation of local communities in improving water and sanitation management; map locations where lack of access or broken equipment is a problem.</li> </ul>
	<b>Goal 7: Ensure access to affordable, reliable, sustainable and modern energy for all</b>	<ul style="list-style-type: none"> <li>Add infrastructure such as powerlines and plants to the map and make it accessible, allowing for accurate assessments of the proportion of population that is connected to the grid.</li> </ul>
	<b>Goal 8: Promote inclusive and sustainable economic growth, employment and decent work for all</b>	<ul style="list-style-type: none"> <li>Provide vocational training in the latest open source GIS tools to substantially reduce the proportion of youth not in employment, education, or training and help achieve full and productive employment and decent work for all women and men, including for young people.</li> <li>Map financial services to encourage and expand access to banking, insurance, and financial services for all.</li> </ul>





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