



RESPONSE  
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LAB

# Access to Modern Energy in Humanitarian Settings Pilot

## HUMANITARIAN OPENSTREETMAP TEAM

### Mapping of clean energy solutions in Bidibidi Settlement

Without knowing where existing energy saving solutions retail points are located in Bidibidi settlement, it is difficult to assess where the challenges lie in accessing them for refugees and host community members. In order for implementing partners of the AMPERE consortium to be able to strategically target their interventions & programming, it is critical to leverage geospatial information to better understand the existing availability and distribution of such businesses in the area of interest. The Humanitarian OpenStreetMap Team (HOT), an international humanitarian NGO, carried out a community mapping exercise across Bidibidi settlement to collect this geospatial data and support implementing partners in better understanding the energy saving solutions market and more effectively guide their interventions.

#### Activities:

- Over a two-week period, 10 refugees from Bidibidi settlement were trained as surveyors to collect geospatial data on energy saving solutions retail points. In addition to collecting data on shop locations, information was gathered on the types of solutions being sold, challenges faced in selling these products, where products would be sent for repairs and so on. During this mapping exercise, 138 energy saving solutions retail points were mapped and interviewed. Data collected was cleaned & analyzed to create themed maps, where one highlighted daily customers received by shops according to their institution type (business, NGO supported, social enterprise) and another visualizing the type of solutions being sold (briquettes, cookstoves, solar solutions, etc.) in each zone.
- The data can be accessed through a series of maps and graphics, an interactive map of energy saving solutions and a directory of retail points. Audio data has also been captured to ensure a locally-adapted description of shop locations is available. Data can be shared on request.



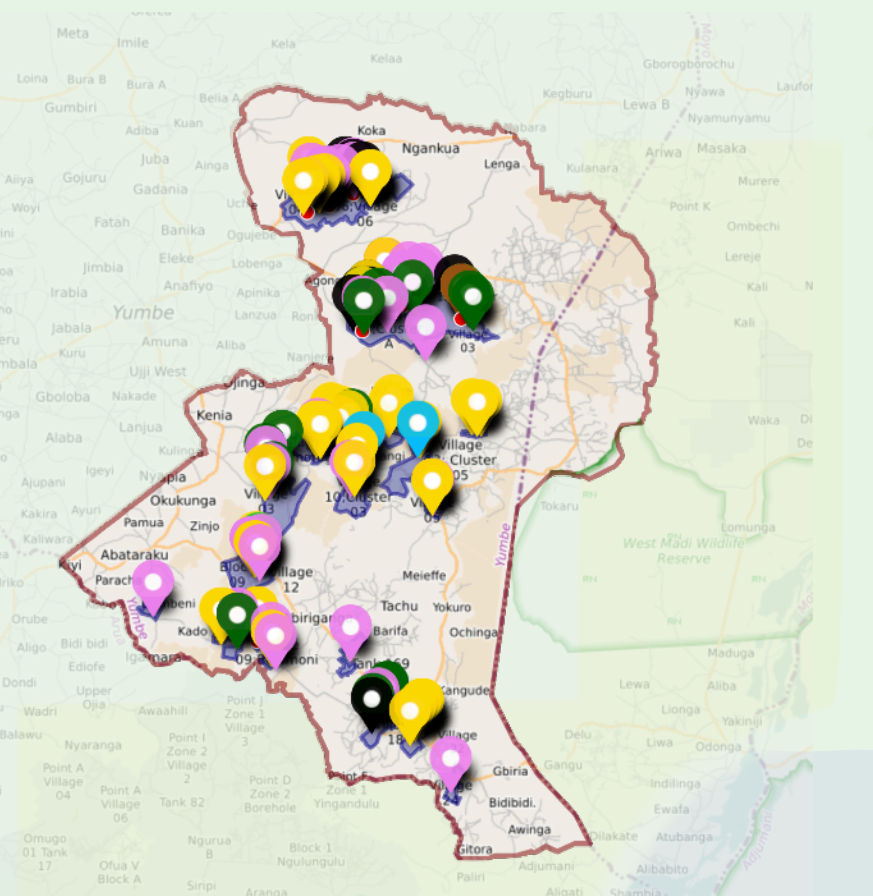
Humanitarian  
OpenStreetMap  
Team



#### Learning & Successes:

The results of the survey highlighted among others that

- shops generally have very small stocks of energy solutions,
- solar solutions, energy-saving cookstoves and briquettes are the most commonly purchased solutions,
- in 80% of cases retailers indicate that solutions cannot be repaired within the settlement, etc.
- Set up of interactive solutions map.



#### Next Steps:

- AMPERE implementing partners and any other partners interested in energy and environmental programmes in Bidibidi can leverage the data collected to understand existing gaps and opportunities and coordinate interventions to enhance access to energy saving solutions in Bidibidi.



5 zones of Bidibidi



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Netherlands Enterprise Agency



Save the Children



MERCY CORPS



SNV

DUTCH COALITION FOR HUMANITARIAN INNOVATION



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