

OSM COMMUNITY IN BANGLADESH: ISSUES AND CHALLENGES



#SOTMASIA
Manila, Philipines

"If you're not on a map, you are deprived from many services now a days"



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Country Coordinator, BD | Youthmappers, Texas Tech Uni

Active Member and Trainer | OpenStreetMap Bangladesh

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MSc in RS & GIS | AIT, Thailand.

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Diploma in Disaster Management (Uni of Hawai-USA, UNU, Keio & Okayama - Japan; AIT-Thailand)

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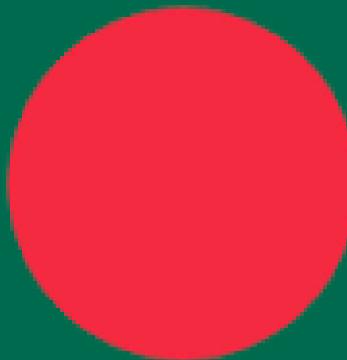
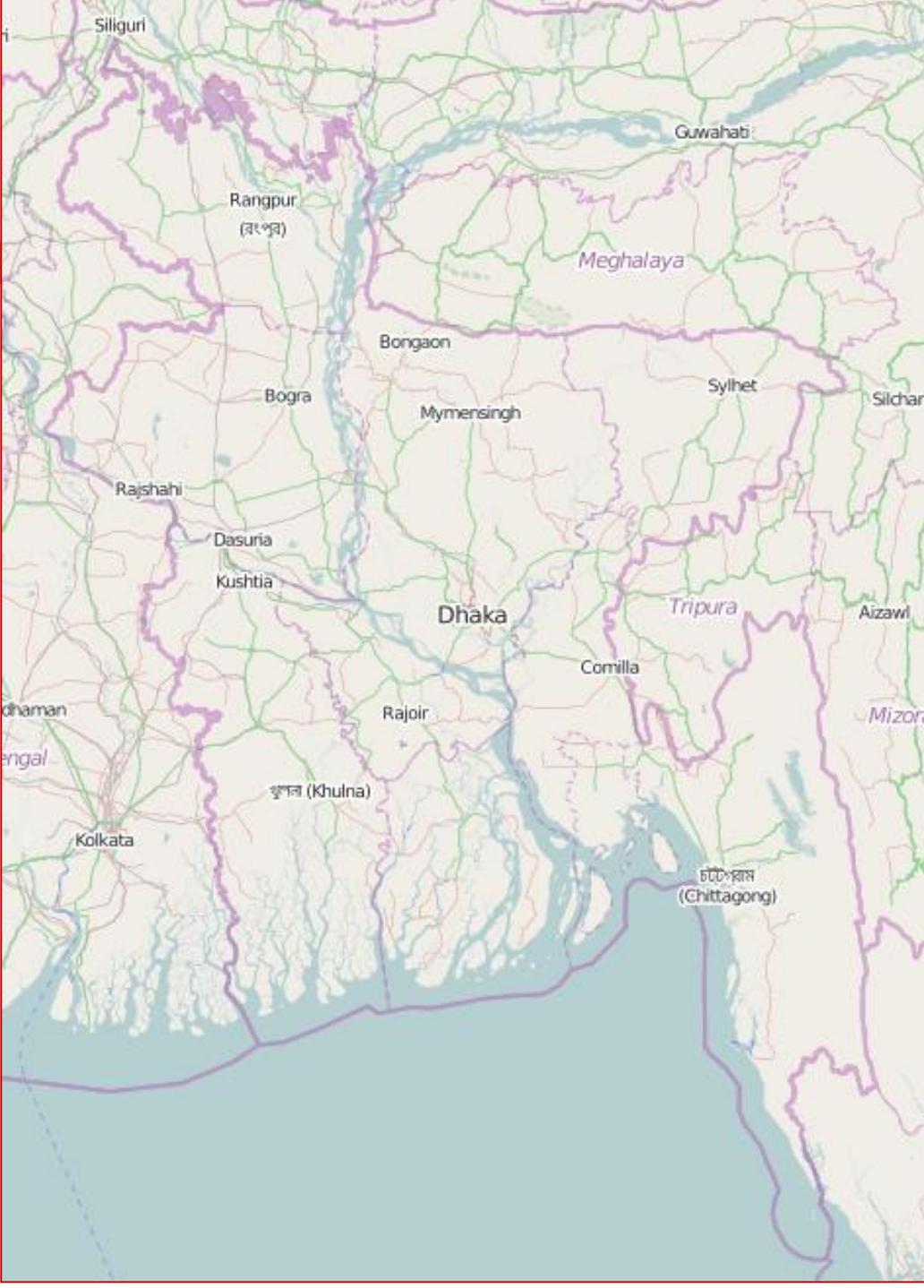
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Humanitarian
OpenStreetMap
Team



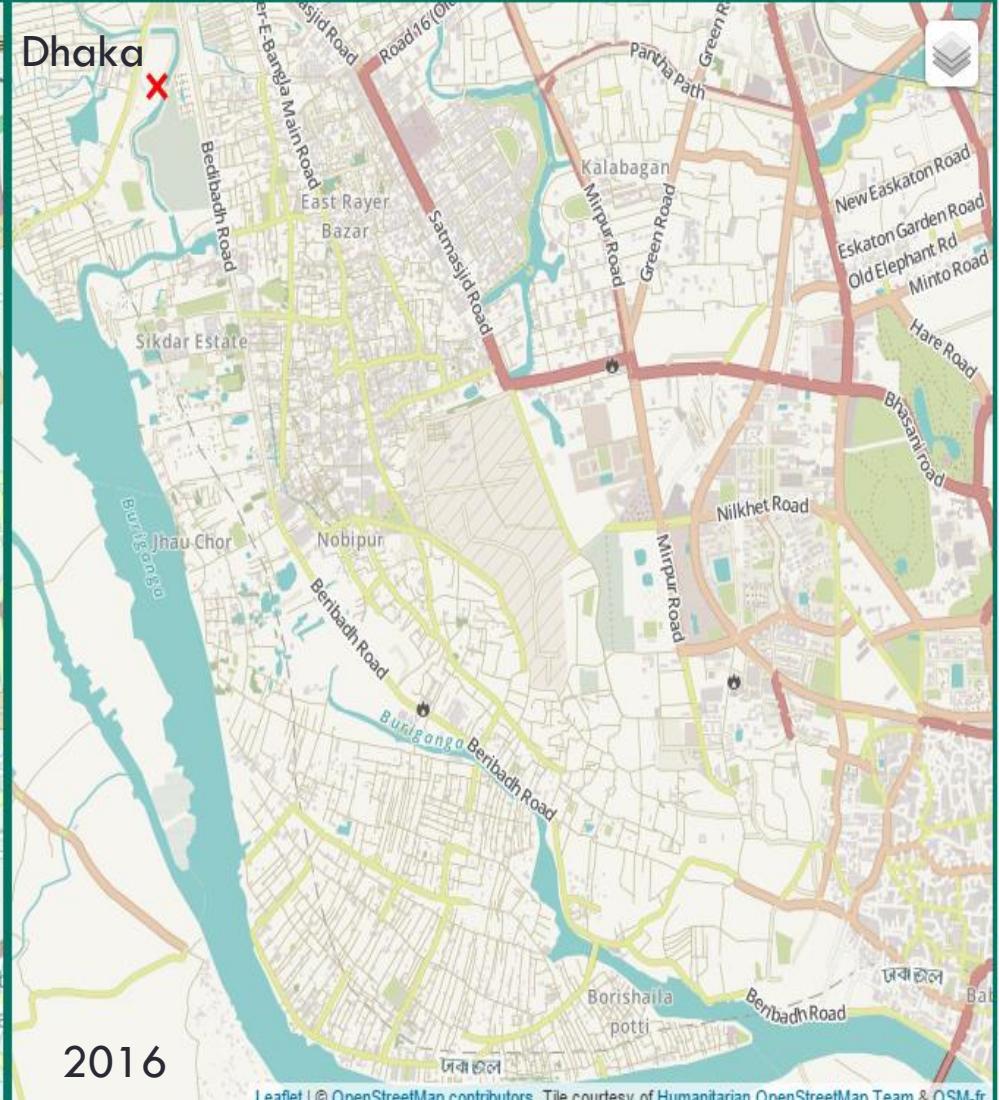
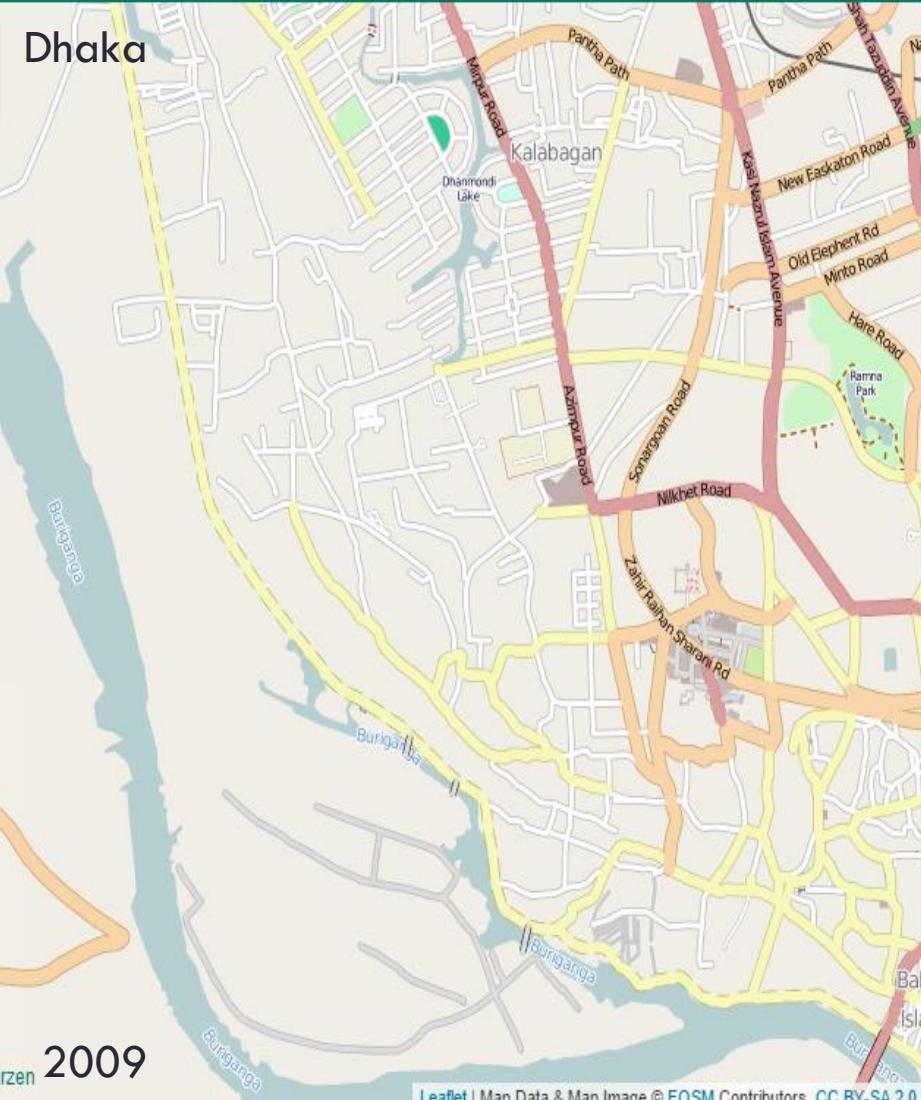
Capital	Dhaka
	 23°42'N 90°21'E
Official languages	Bengali
Recognized	English
Ethnic groups (2011)	98% Bengalis 2% Others ^[2]
Religion	89.1% Islam 10% Hinduism 0.9% Others ^[2]
Demonym	Bangladeshi
Area	
• Total	147,570 ^[3] km ² (92nd) 56,977 sq mi
• Water (%)	6.4
Formation of the Republic	
• Independence declared from Pakistan	March 26, 1971



History of OSM in Bangladesh

- 2010- BUET project
- 2011 -university working groups
- 2013- Revived through open cities project
- 2014-
 - Training to GIS professionals and students
 - Community formed
 - Missing maps project in Dhaka
- 2015 –
 - INGOS and Donars
 - Bangladesh Bureau of Statistics

OSM in Bangladesh



2009

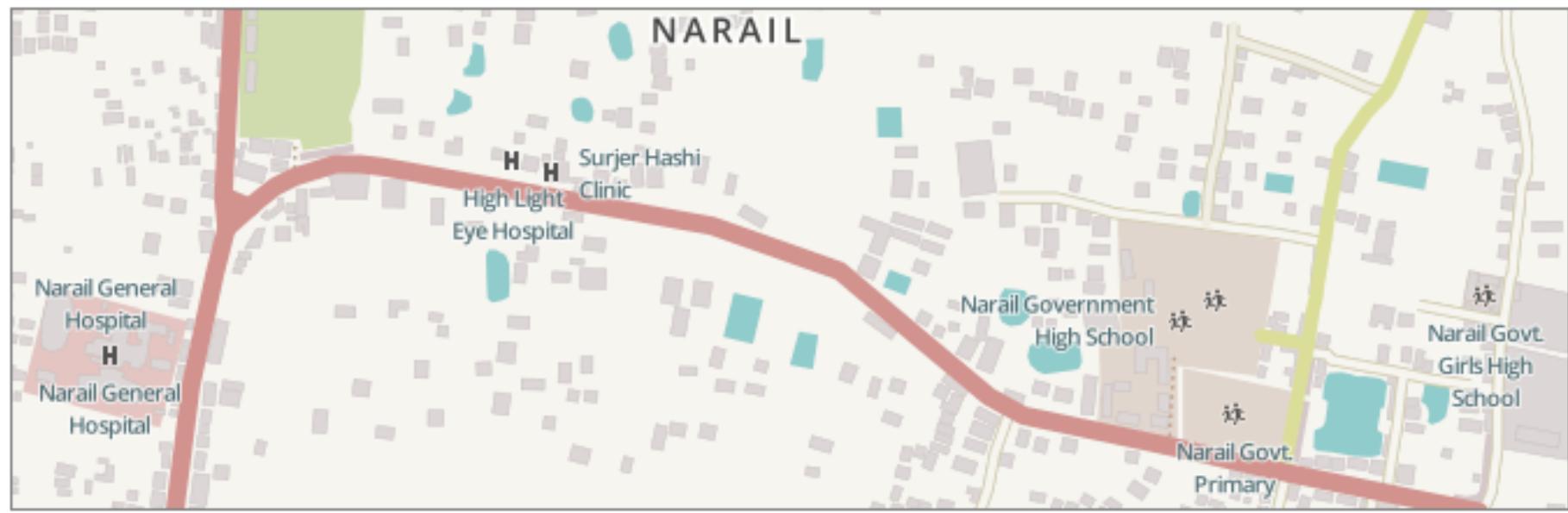
2016

OSM in Bangladesh

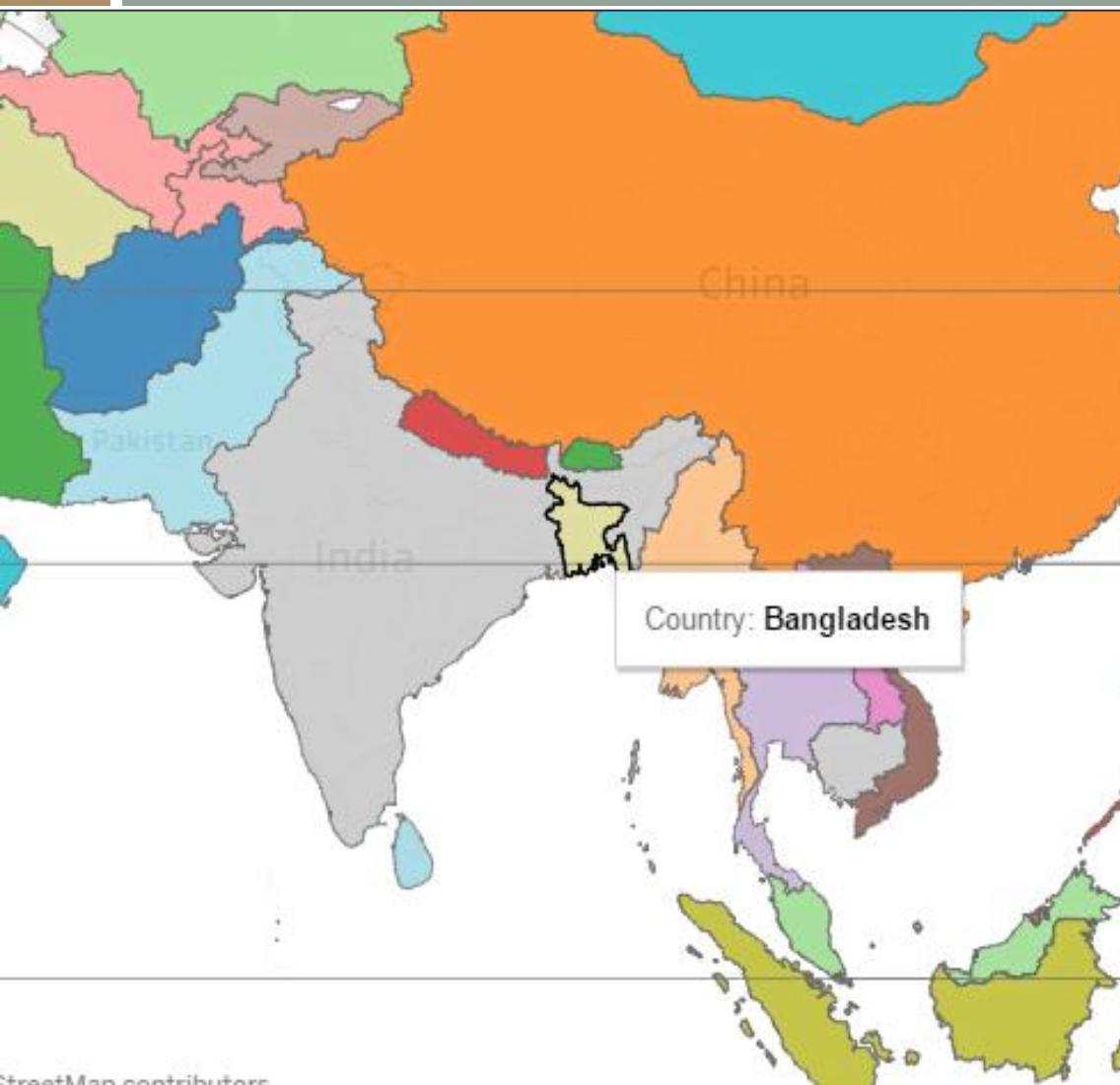
Choose map type: Google Map ▾



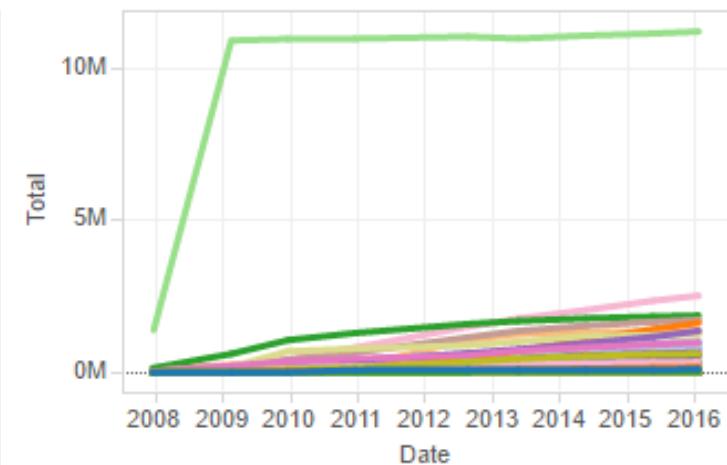
Choose map type: OSM Humanitarian ▾



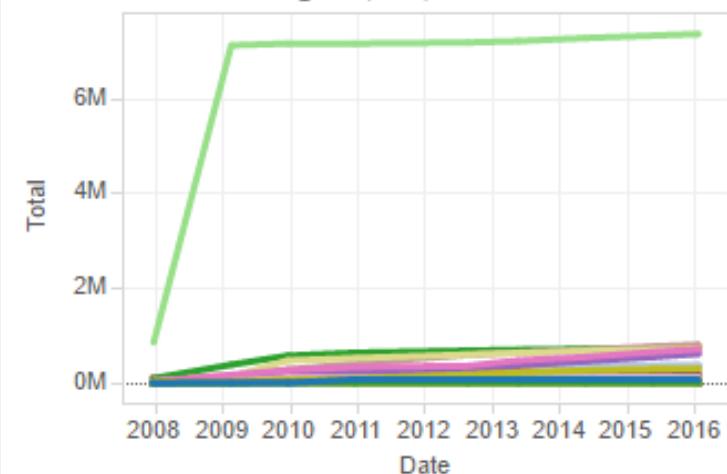
Road data mapped over time



Road Length (km)



Named Road Length (km)



Road (km) added over time



YEAR	TOTAL (km)
2016	35,459.96
2015	31,864.21
2014	26,967.46
2013	17,751.36
2012	15,855.06

Country: Bangladesh

Report run at Sep, 29th 2016 1:03 am CET

Statistics of the free wiki world map (OpenStreetMap.org)
created in Central European Time (CET)

Yesterday's number of active members

9

Yesterday's number of created nodes

4293

Yesterday's number of modified nodes

928

Yesterday's number of deleted nodes

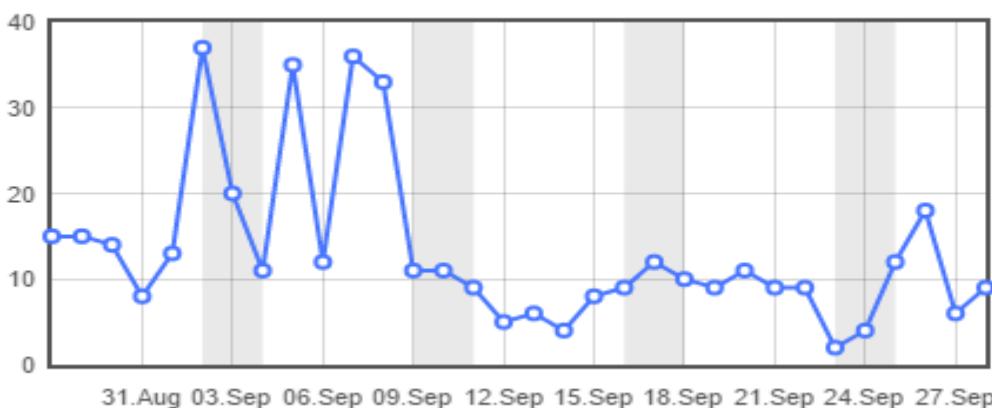
449



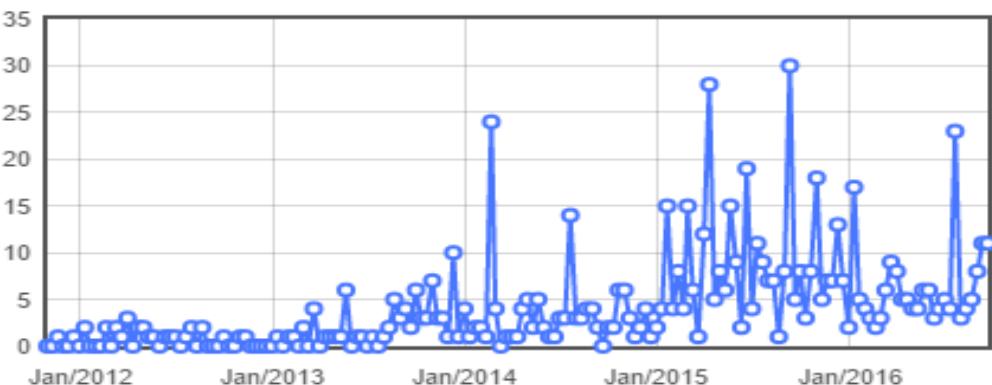
No. of daily active members



No. of daily active members



No. of daily active members (year)



Country: Bangladesh

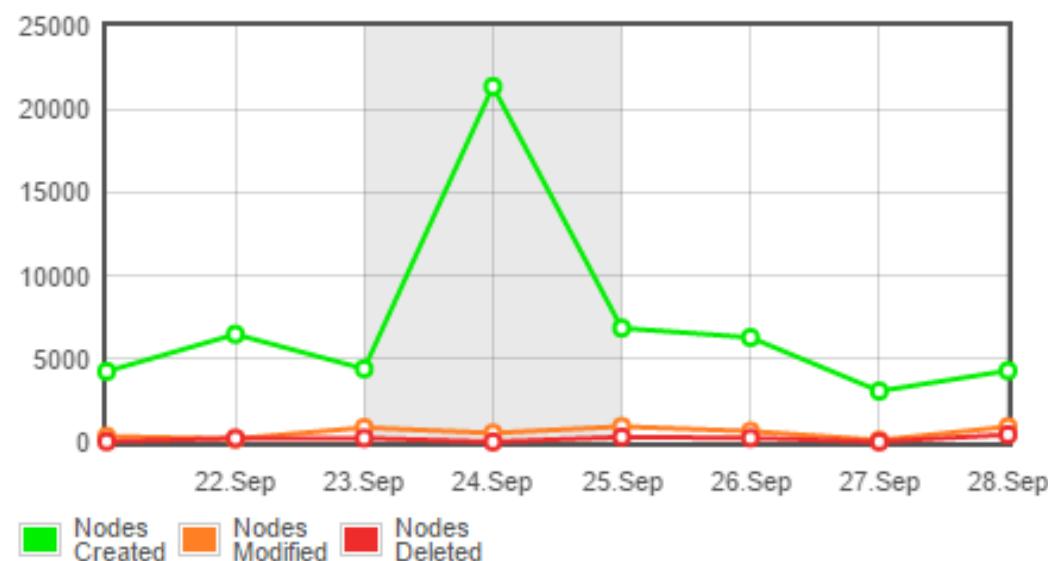
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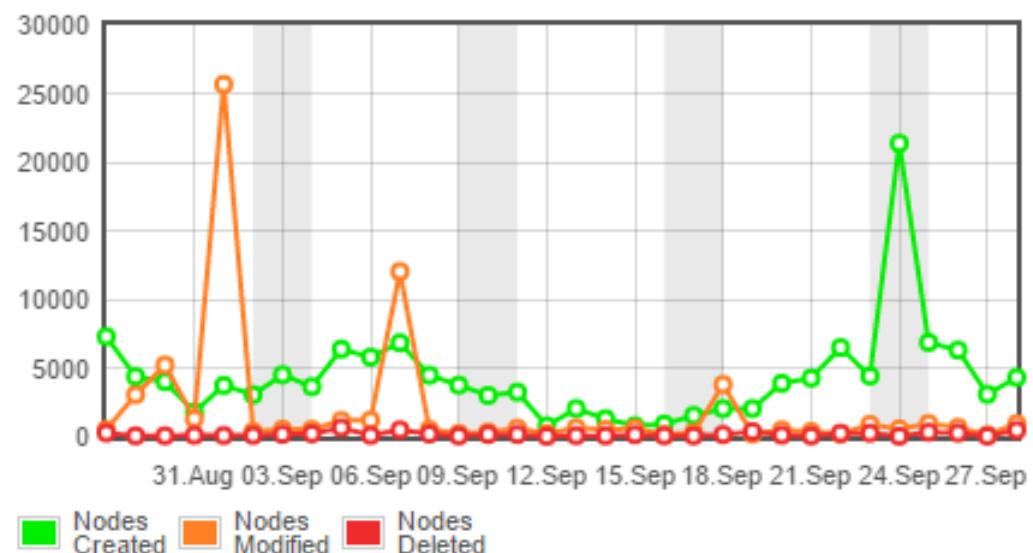
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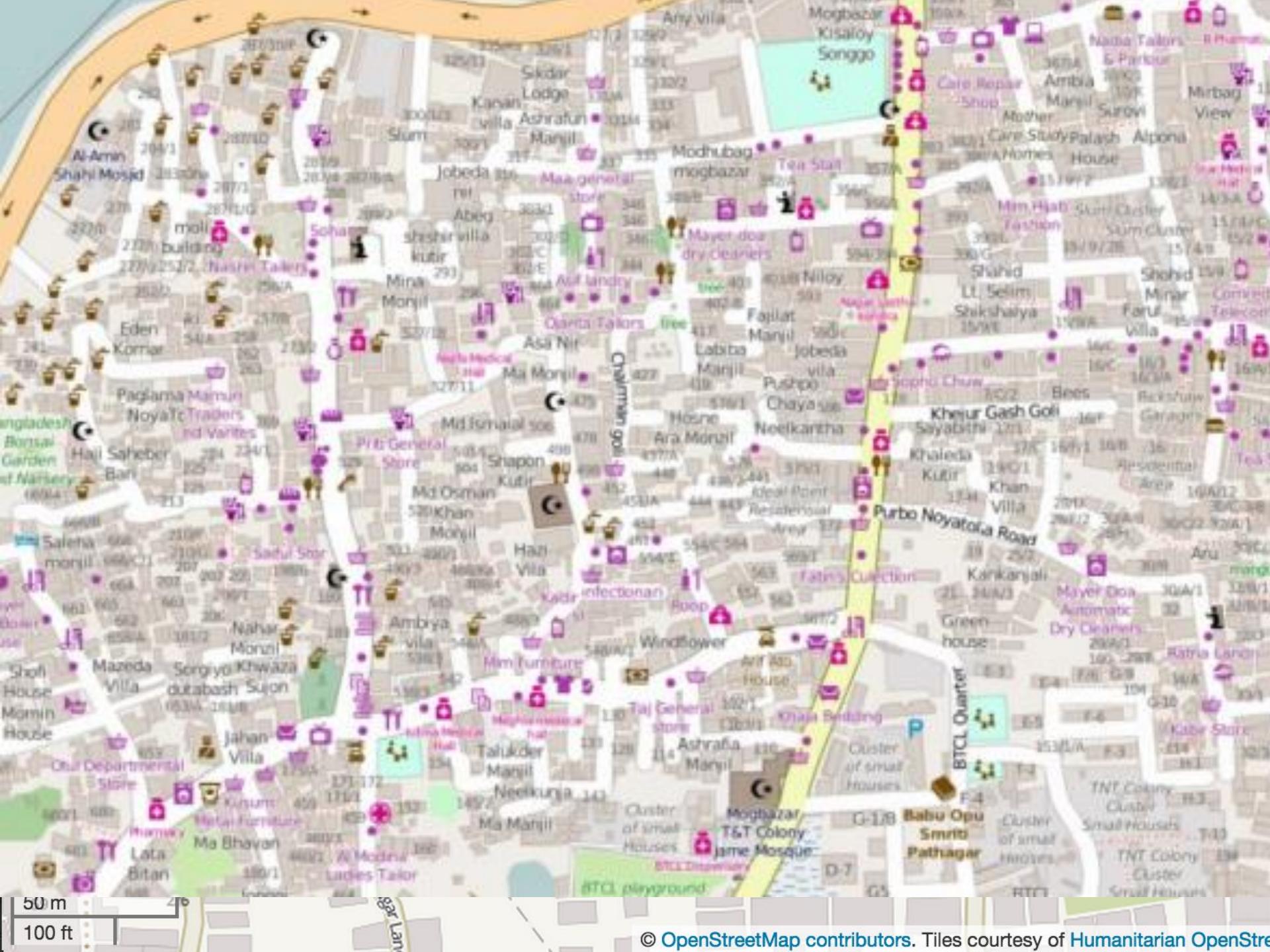


No. of nodes that are daily created/modified/deleted



No. of nodes that are daily created/modified/deleted





Stakeholders



Save the Children



An active community



Community Development: Challenges

- Economic Condition
- Mindset – organizations & personnel
- Data sharing policy
- Data quality and accuracy
- Intangible and non-immediate benefit
- Loosing interest
- Non regular activities
- No formal entity
- Academia involvement : No research



Sustainability under threat !!!

OSM in Bangladesh: 2016



□ 2016 –

- Formal Program launched by INGOS, NGO
- Approached formally to Govt and non Govt. Universities like:
 - Dhaka University
 - Khulna University
 - Daffodil Inter. University
 - BRAC University
 - Dhaka College
- Local community's capacity building :
 - Dhaka City Corporation Wards
 - Dhaka Slum community

Community Development: Success ?!?

- University Chapters
- Use Cases !
- Community Service
- Awakening of community
- More organizational involvement
- Academia involvement -Research



Awesome contributors from Bangladesh



Arko



Maliha



Sawan



Atik



Israt



Nodi



Success Story: University Chapters





Success Story: University Chapters





Success: University Chapters





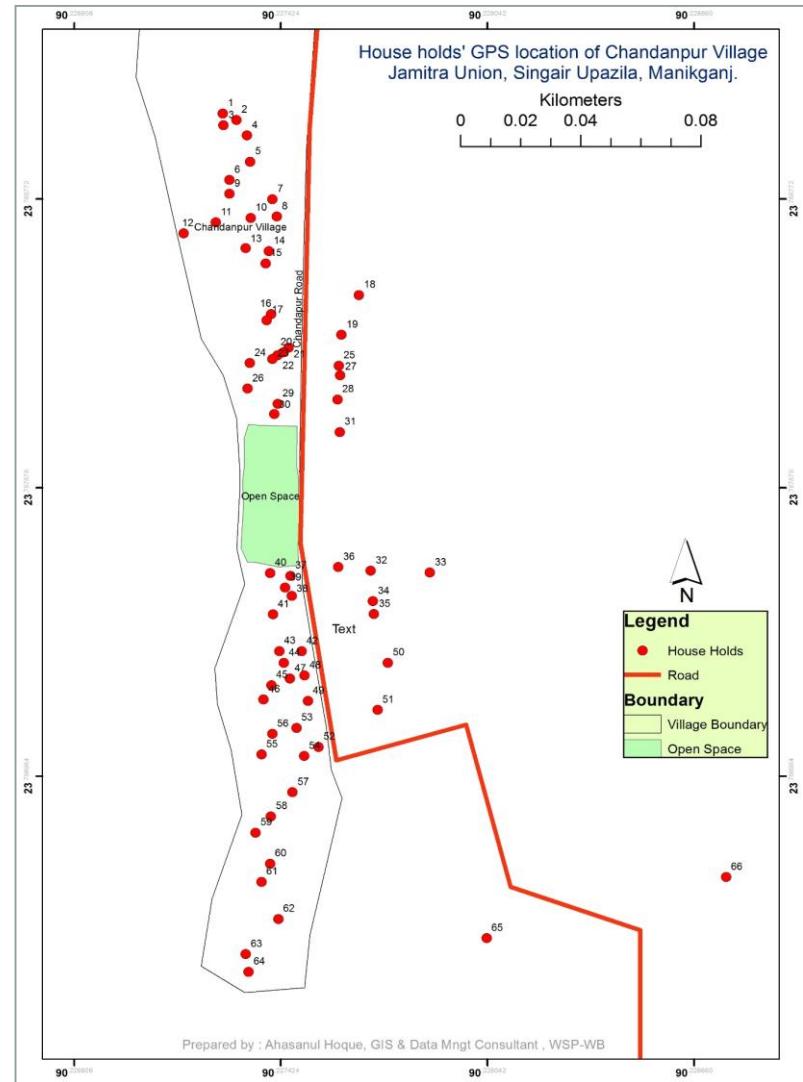
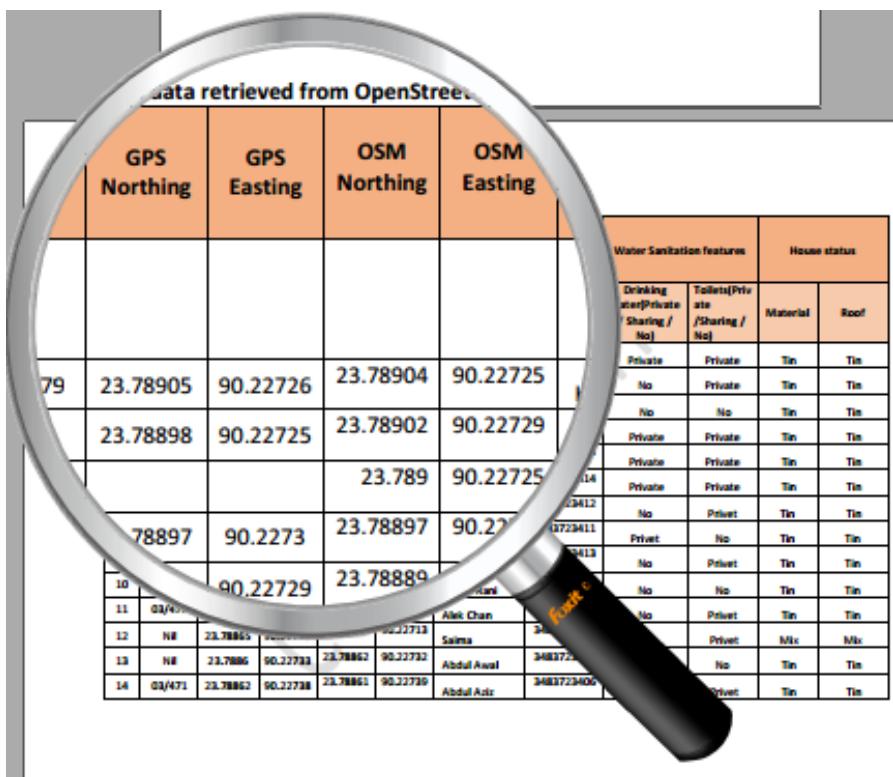
Success Story: Use Cases

Kolorob thrives on bringing information to the people who need it most.
#Kolorob #LightingUpTheCity





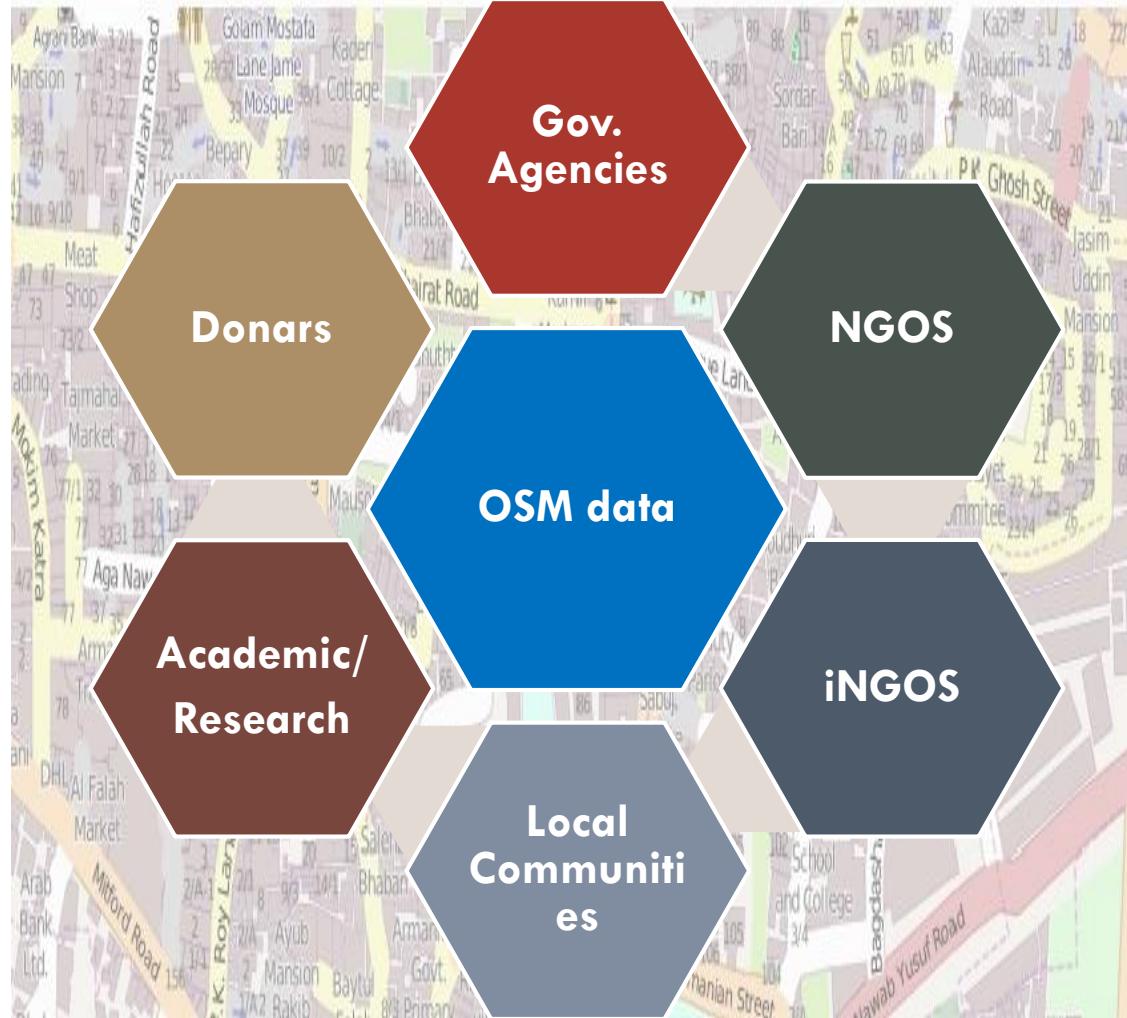
Success Story: Research



Success Story: Community training



Next Steps



Find OSM Bangladesh



Facebook group : OpenStreetMap Bangladesh

(<https://www.facebook.com/groups/osmbd/>)

Wiki:

http://wiki.openstreetmap.org/wiki/WikiProject_Bangladesh

Twitter : @osmbd

Mail : osmbd1@gmail.com

Thanks
ধন্যবাদ

