

# **Conference Summary**

September 23-24, 2017 Kathmandu, Nepal





Prepared by:

Kathmandu Living Labs
OSM Nepal Community

### **Thank You!**

We want to start our note of thanks with the vibrant OSM Asia community! Thank you for mapping the largest continent and laying bricks of the community in the region where most people of the world live. We are also grateful to the active members and initiators who organized the first **State of the Map Asia 2015** in Indonesia, then to the organizers of **State of the Map Asia 2016** in Philippines for sustaining the momentum and handing over the baton to us!

The event wouldn't have had as much value if not for the passionate keynote speakers, distinguished speakers, panelists, country presenters, and other facilitators as well as speakers.

We are thankful to OSM Nepal community, and organizers of last edition of the conference in helping us in planning and organizing **State of the Map Asia 2017** in Kathmandu. We appreciate the efforts of members of OSM Nepal community and national coordination committee who despite their busy schedule lent us a helping hand.

We would not have been able to accomplish this without our sponsors. We want to thank GFDRR for sponsoring over 20 scholarships; Secondary Cities for covering the event venue, food and other logistics; Mapbox for sponsoring the government panel and post-conference dinner; and YouthMappers for sponsoring three youth mappers from Bangladesh; and finally WorldLink and WebSurfer for their generosity in providing decent internet connectivity.

We also want to thank our national and international supporting organizations including the OSM Foundation, Humanitarian OpenStreetMap Team and MAPS.ME.

We would like to extend our gratitude to the members of community who couldn't attend the event in person, but had applied for scholarships, or couldn't make it in the eleventh hour for different reasons. We wish we had more resources and could include more people from Asia and beyond. We hope the presentation slides, YouTube videos, websites and this report will provide you some helpful information.

In the end, we want to thank everybody involved, directly or indirectly, in making the event a success. We hope the event was a step forward in the right direction to collectively advance the OSM movement in Asia.

- Kathmandu Living Labs Team

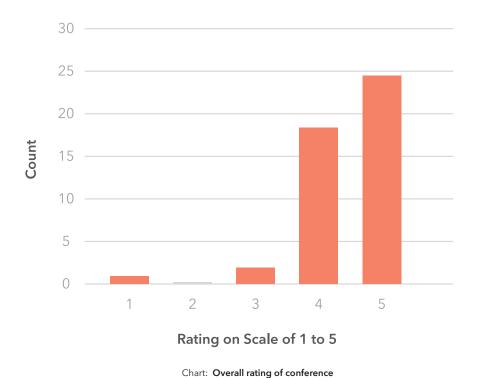
### **Conference Overview**

State of the Map Asia (SotM-Asia) is the annual regional conference of OpenStreetMap (OSM). Asian OSM communities started it in 2015 following widespread use of OSM data during 2015 Nepal earthquake. For example, see this report (<a href="http://www.nepalarmy.mil.np/opssankatmochan/english\_part3.pdf">http://www.nepalarmy.mil.np/opssankatmochan/english\_part3.pdf</a>) to learn how Nepal Army used citizencreated data in their response and relief work. The first SotM-Asia was organized in Jakarta, Indonesia in 2015, and the second was organized in Manila, Philippines in 2016. SotM-Asia 2017, third in the series, was organized in Kathmandu, Nepal on September 23 – 24, 2017 at Park Village Resort, Budhanilkantha, Kathmandu, Nepal.

The conference brought together about 175 Open Mapping enthusiasts from 16 countries in Asia, two countries in North America and two countries in Europe. The event provided an opportunity to share experiences, learn from each other and think collectively about the future development of OSM in Asia. The event also allowed the participants to interact face-to-face, expand their network and generate new ideas to collectively advance

OSM movement in Asian continent. The theme of the conference was chosen as 'from creation to use of OSM data'. As the coverage of map data continues to increase in Asia, the conference chose this theme to focus both in 'creation' and 'effective use' of the data in a balanced way.

- 175 participants from 20 countries
- 15 country presentations, including 6 female country presenters (40%)
- A total of 64 speakers, including 22 female speakers (34%)



Feedback on the conference was highly positive. Among participants who filled online feedback form, most of them rated the conference 4 or 5 out of highest possible 5. 46 people responded (26% response rate) to the online survey. We did not administer the survey during the conference; it was administered few weeks after the conference. We believed that we would be able to collect more thoughtful response when the conference participants had enough time to critically reflect their conference experience after reaching back their home.

Address by the Vice-Chairman of National Planning Commission and member of parliament of Nepal

A government panel with speakers from Bangladesh, India, Nepal and Sri Lanka, including the Director General of Survey Department of Nepal

### Participants' Feedback

Of the 46 participants who responded to the online feedback form, 54% of respondents gave an overall rating of 5 out of 5. 39% of respondents gave a rating of 4, 4.3% gave a rating of 3, and 1 person (2.2%) gave a rating of 1.

Participants shared what they liked about the conference in the survey. Organization, time management and venue were few of the things mostly repeated among the things participants liked about the conference. Program schedule that included 15 country presentations, keynotes and guest remarks, different speakers covering different topics, and the panel discussions were also relished.

A getting together of mappers of different age and backgrounds, people from government, businesses adding value to OSM made for the event to be a platform for interesting conversations and interactions.

In the course of the survey, we also received valuable ideas on how the conference could have been better. Many participants suggested longer time slots for Q&A, presentations and longer time for interactive workshops. Participants also recommended more technical presentation, presentations on sustainability and unsuccessful projects and more stories, and more mapping events apart from the preconference mapathon.



Participants also suggested for bigger rooms for parallel sessions, better technical support for presentations, video recording of most sessions, and sharing presentation slides and blogs from the conference. Many participants felt that the parallel sessions made them miss some sessions they wanted to participate and wished there were more details available about the sessions to help them decide the one to attend.

Participants also suggested a panel discussion among country presenters, and another discussion with community members to brainstorm strategies to accelerate the growth of OSM movement in Asia forward.

As of October 5, 2017, twitter engagement in #SotMAsia2017:

**782** posts

**163** users

#SotMAsia2017 trending in Nepal for September 23-24

### **Suggestions for Future SotM-Asia**

Most common suggestion for the next State of the Map Asia in Bangalore is to increase the number and diversity of participants and speakers, including more novice mappers, people from government, academia, non-profits and enterprise, community members from more countries.

Suggestions to increase duration of conference to 3 days were made by 5 respondents out of 46.

Need for conference publicizing to start early and to wider network, and increasing the number of scholarship was also remarked by quite a few participants.



#### The Future of OSM

In 'The Future of OSM in Asia and Beyond' session, held on the second day of the conference, prominent speakers Marek Kleciak from OSM Poland, Heather Leson from IFRC, and Eugene Lisovskiy from MAPS.ME discussed the future of OSM in Asia and Beyond in terms of technology and community. Towards the end of the conference, we collected answers from conference participants to the following questions:

- What is your vision of Future of OSM in Asia?
- What actions will you likely be taking to achieve that vision?

Most participants had a vision of including more people from diverse communities and backgrounds. Most common themes after diversity/inclusion was integration of new technologies like Augmented Reality, Artificial Intelligence, Big Data, Machine Learning, Robotics, Natural Language Processing, Automation, and Drones in OSM. Many participants envision OSM as the complete map of the world in the future, and want OSM to be adopted by

businesses and universities. Less recurring, but just as inportant visions included linking OSM to social science, using OSM in democratizing the developing world, increased metadata in OSM (by

integrating Wikidata), indoor maps, and providing incentives for young people etc.

Personally i feel that it is a great platform to share our knowledge, share our views.

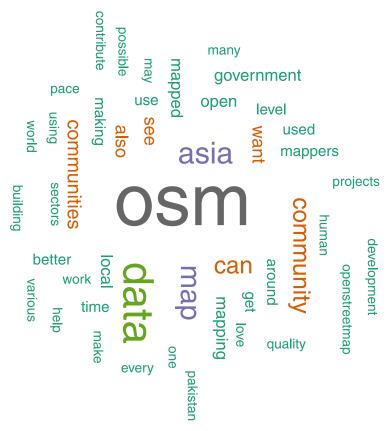


Image: Wordcloud of answers to participants' vision for the future of OSM

We also collected answers to the same questions in online feedback form. Most answers dwelled on increasing the number and diversity of OSM Asia community, as well as increasing the map coverage of OSM. Participation at local level, local languages, more collaborations and projects received significant attention in the answers. Use of OSM in humanitarian causes, urban planning, understanding society, and in governance were also envisioned.



Image: Wordcloud of answers to actions participants will take to achieve their vision

To achieve this bold vision, most participants intend to increase mapping efforts and advocate OSM to wider groups of people through hosting more mapathons and other means. Many participants will engage young people and women in mapping, and engage government in OSM. Respondents look forward to writing more, participating and initiating more OSM based projects, collecting more data on POIs, and making OSM beneficial to the community. Interesting actions like sharing drone imagery, contributing to 3D buildings, and contributing to OSM while bored were also mentioned.

Echoes of similar answers from conference session could also be heard in the review form, with most answers focusing on increasing mapping effort through mapathons, local level mapping, and advocating OSM to a broader audience. Adoption of new technologies in mapping also received attention. Some participants wanted to work on improving OSM data quality through validation.

## Group Photo: Day 1



 ${\sf Image: \textbf{Group photo with keynote speakers, guests of inaugural session, organizers and some participants.}$ 

## Group Photo: Day 2



 ${\sf Image:} \textbf{Group photo includes most participants in the second day.}$ 

## Countries represented by **Participants**

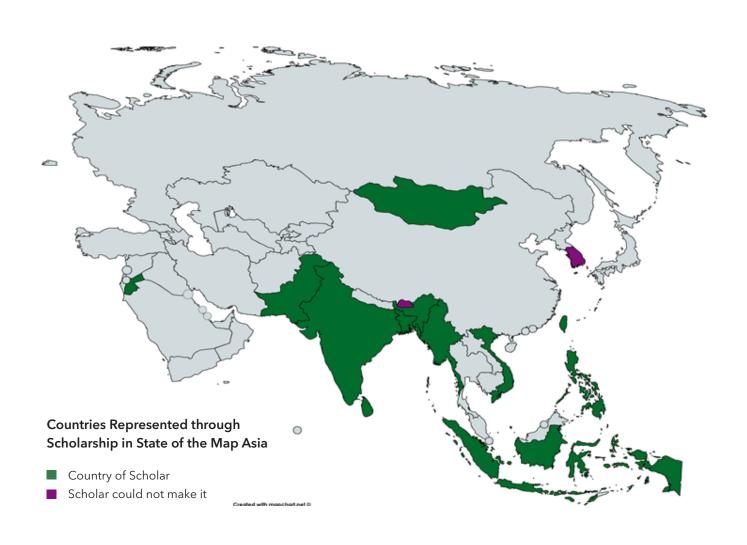


### Countries:

Bangladesh
Bhutan
Canada
China
India
Indonesia
Japan
Jordan

Mongolia Myanmar Nepal Pakistan Poland Russia Singapore South Korea Sri Lanka Taiwan The Philippines United Kingdom USA Vietnam

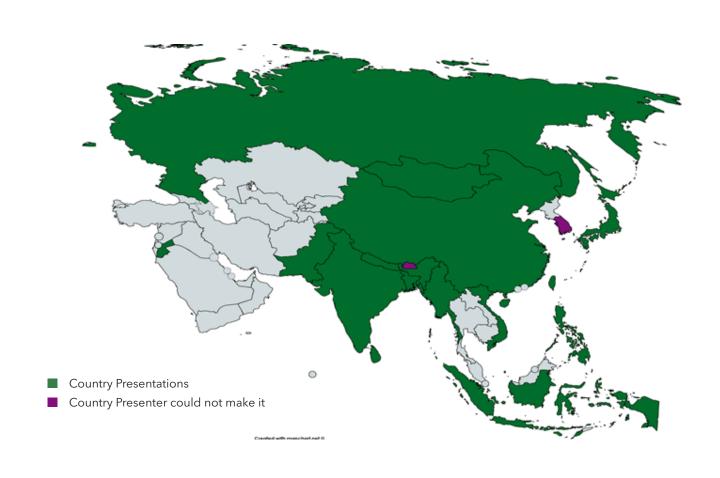
## Countries represented by **Scholarships**



### Countries:

Bangladesh South Korea Mongolia **Bhutan** Myanmar Sri Lanka Canada Nepal Taiwan China Pakistan The Philippines India **Poland United Kingdom** Indonesia USA Russia Japan Singapore Vietnam Jordan

## **Country Presentations**



### Countries:

Bangladesh
Bhutan
Canada
China
India
Indonesia
Japan
Jordan

Mongolia Myanmar Nepal Pakistan Poland Russia Singapore

South Korea Sri Lanka Taiwan The Philippines United Kingdom USA Vietnam

## Detailed **Program Schedule**



Day 1 September 23, 2017

8:00-9:00 Registration + Tea/Coffee/Cookies + Informal Conversation

Note: Those who stay at the conference hotel can register a day before. The registration desk will be open from 5:00-7:00 PM or September 22.

9:00-10:45 Inaugural Session (Banyan Hall)

Welcome & Conference Overview:

Dr. Nama Raj Budhathoki, Executive Director, Kathmandu Living Labs

Kevnotes:

Kate Chapman, Chairperson, OSM Foundation

Dr. Lee Schwartz, Geographer of the United States, Department of State Prof. Taichi Furuhashi, Professor, Aoyamagakuin University

Distinguished Speakers:

Hon. Gagan Thapa, Member of Parliament

Hon. Dr. Gangalal Tuladhar, Member of Parliament

Hon. Dr. Swarnim Wagle, Vice-chair, National Planning Commission

10:45-11:00 Tea/Coffee/Cookies + Group Photo Session

State of the Map: Country Presentations (Banyan Hall) 11:00-12:00

Bangladesh (Ahasanul Hoque), China (Hongchao Fan), India (Jinal Foflia), Indonesia (Yantisa Akhadi)

12:00-13:00

13:00-14:00 State of the Map: Country Presentations continued (Banyan Hall)

Japan (Kenya Tamura), Jordan (Sanad Nowar), Korea (Kim Minsong), Mongolia (Enkhbat Khashkhuu)

#### 14:00-14:45 Parallel Sessions

MAPS.ME: Workshop (Banyan Hall)

Facilitator: Eugene Lisovskiy, CEO, MAPS.ME

Map Data Integrity (Sakura Hall)

Facilitator: Prof. Melinda Laituri, Colorado State University

Lightning Talks (Kasthamandap Hall)

EpiNurse: Local Nurses for Participatory Monitoring of Health Security & DRR, Uttam Paudel, Nursing Association of Nepal

Village Map with OpenStreetMap, Saikat Maiti, OpenStreetMap India

Mapping as Activism, Pradip Khatiwada, Kathmandu Living Labs

Local Language Maps in OpenStreetMap, Yogesh KS, OpenStreetMap India

**OSM and the Sri Lankan Government**, Karan Suthakaran, OpenStreetMap Sri Lanka

Open Mapping Infrastructure for Sustainable Development, Kshitiz Khanal, Kathmandu Living Labs

14:45-15:00 Tea/Coffee/Cookies

15:00-16:00 Government Panel (Banyan Hall)

Moderator: Nisha Thompson, Director, DataMeet

Panelists: Ganesh Prasad Bhatta, Director General, Survey Department, Government of Nepal

Dr. Sheikh Tawhidul Islam, Director, Institute of Remote Sensing, Jahangirnagar University, Dhaka, Bangladesh Jayachandran Mani, Technical Officer, Head, Mission management at Karnataka State Remote Sensing Agency, India Srimal Samansiri, Assistant Director, R&D at Disaster Management Centre, Ministry of Disaster Management, Sri Lanka

16:00-17:00 Parallel Sessions

Nepal Session (Banyan Hall)

Facilitator: Pradip Khatiwada, Kathmandu Living Labs

Yogesh Maharjan, OSM Kirtipur

Nikesh Balami, Open Knowledge Nepal Sumit Dugar, Practical Action Consulting Shashish Maharjan, OSM Lalitpur Uttam Pudasaini, Nepal Flying Labs

Building an Interactive Visualization: Workshop (Kasthamandap Hall)

Facilitator: Jothirnadh Guthula, Mapbox

YouthMappers Session (Sakura Hall)

Facilitator: Maliha Binte Mohiuddin, University of Dhaka

Day 2 September 24, 2017

8:00-9:00 Registration + Tea/Coffee/Cookies + Informal Conversation

9:00-11:00 State of the Map: Country Presentations Continued (Banyan Hall)

Myanmar (Li Jia Li), Nepal (Nirab Pudasaini), Pakistan (Usman Latif), The Philippines (Erwin Olario), Russia (Eugene Lisovskiy), Sri Lanka (GG Maheshika Karunarathna), Taiwan (Pomin Wu), Vietnam (Tran Thi Thuy Trang)

#### 11:00-12:00 Parallel Sessions

OSM as a Communication Tool (Banyan Hall)

Building a multi-lingual map of the world, Bharata Srinivasa, Mapbox

QuakeMap, Sazal Sthapit, Kathmandu Living Labs

Location-based storytelling with OSM & LocalWiki, Pomin Wu, OSM Taiwan

**OSM for Disaster Management**, Harry Mahardhika, HOT Indonesia

OSM Validation: Workshop (Sakura Hall) Facilitator: Poornima Badrinath, Mapbox

Youth as Mappers (Kasthamandap Hall)

Facilitator: Prof. Melinda Laituri, Colorado State University

Presenters: Jasna Budhathoki, Rato Bangala School

Akanksha Giri, Institute of Crisis Management Studies

Pratichhya Sharma, Western Regional Campus

Monal Bhattarai, Kaasthamandap Vidyalaya

#### 12:00-13:00 Lunch

#### 13:00-14:30 Parallel Sessions

Secondary Cities in Action (Banyan Hall)

Facilitator: Prof. Melinda Laituri, Colorado State University
Presenters: Faith Sternlib, Colorado State University

Febriadi Pratama, Gringgo Technologies

Gaurav Thapa & Arogya Koirala, Kathmandu Living Labs

OSM Data Manipulation: Workshop (Sakura Hall)
Facilitator: Rob Savoye, Freelance Developer

Tools and Projects around OSM (Kasthamandap Hall)

Basemap Completeness in Asian Cities, Ramya Raghupathy, Mapbox Observe, a new OSM data collection app, Robert Banick, GFDRR Past holds the mirror to the future, Poornima Badrinath, Mapbox

The Mapping Strategy to Develop OSM Data, Dewi Sulistiongrum, HOT Indonesia

From Disaster to Development, Bradley Wilson, University of Arkansas & Kathmandu Living Labs

Communications in the Time of Crisis, Sumit Jana, WorldLink

#### 14:30-15:00 Tea/Coffee/Cookies

15:00-16:00 The Future of OSM in Asia and Beyond (Banyan Hall)

Moderator: Dr. Nama Raj Budhathoki, Executive Director, Kathmandu Living Labs

Speakers: Marek Kleciak, Head, Polish OSM Association Heather Leson, Data Literacy Head, IFRC Eugene Lisovskiy, CEO, MAPS.ME

16:00-17:00 Nepal Earthquake Session (Banyan Hall)

Session Chair: Dr. Govind Raj Pokharel, CEO, National Reconstruction Authority
Panelists: Krishna Bahadur Raut, Joint Secretary, Ministry of Home Affairs of Nepal

Col. Sudeep Panta, Nepal Army Dr. Rajib Subba, DIG, Nepal Police

**Keshav Gautam**, Director, Central Bureau of Statistics **Sazal Sthapit**, Project Manager, Kathmandu Living Labs

17:00-17:30 Closing Session (Banyan Hall)

Closing Remarks: Dr. Govind Raj Pokharel, CEO, National Reconstruction Authority

Conference Summary & Way Forward: Dr. Nama Raj Budhathoki, Executive Director, Kathmandu Living Labs

### Pre-conference Mapathon

September 22, 2017

Jointly organised by: World Food Program, Kathmandu Living Labs, ICIMOD, Nepal GIS Society and Map Action

Venue: ICIMOD, Khumaltar, Lalitpur &

Park Village Hotel and Resort, Budhanilkantha, Kathmandu

### **Post-conference Activities**

September 25, 2017

Hiking, UNESCO Heritage walk

Organised by: Nepal Highland Treks Pvt. Ltd.



## **Collaborators**



























































Kathmandu Living Labs

#SotMAsia2017 #SotMAsia2017



#SotMAsia2017 #SotMAsia2017



#SotMAsia2017





#SotMAsia2017

#SotMAsia2017 STATE

Secondary









#SotMAsia2017



















**youth** mappers

















OpenStreetMap











More information and resources for State of the Map Asia can be found on:

http://2017.stateofthemap.asia

https://www.slideshare.net/KathmanduLivingLabs

https://www.youtube.com/channel/UCoUQGZ2u5k4oWr6f0ZQkwMQ/videos