

**Workshop II**  
*OSMCha, QC, GrabMapMaker, Overpass*  
and  
**Workshop III**  
*Workshop, Project, and Journal Planning*

<b>Measuring the impact of a mapathon / workshop</b>	<b>1</b>
Measuring the number of roads and buildings added by the Mapathon Attendees	2
Way 1: Using Overpass Turbo Queries	2
Way 2: Using missing maps profile (This can be used if way 1 doesn't work)	2
Validating the changesets added by the user	3
Validation using OSMCha	4
<b>GrabMapMaker</b>	<b>9</b>
<b>Exercises</b>	<b>9</b>
<b>Workshop / Mapathon Planning</b>	<b>10</b>
Roles	10
Co-organizers (10p)	10
Speaker (8p)	10
Facilitator (5p)	10
Activities	10
<b>Projects</b>	<b>11</b>
<b>Journals and Blogs</b>	<b>12</b>
<b>Appendix</b>	<b>13</b>

# Measuring the impact of a mapathon / workshop

While we run these mapathons, it's important for us to measure the impact of the mapathon, one of the key attributes to measure this is via measure the length of roads added, number of POIs and buildings added by the attendees.

We also want to be sure that the data contributed to OpenStreetMap is good quality data, thus making sure we validate the quality of data added by the attendees.

For both of these process to happen, it's **important** for us to have the usernames and link to their OpenStreetMap profile.

We can collect them at the beginning of the mapathon. Here's the sample form: [example form](#)

## Measuring the number of roads and buildings added by the Mapathon Attendees

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We can do this in multiple ways, let's consider the following two ways:

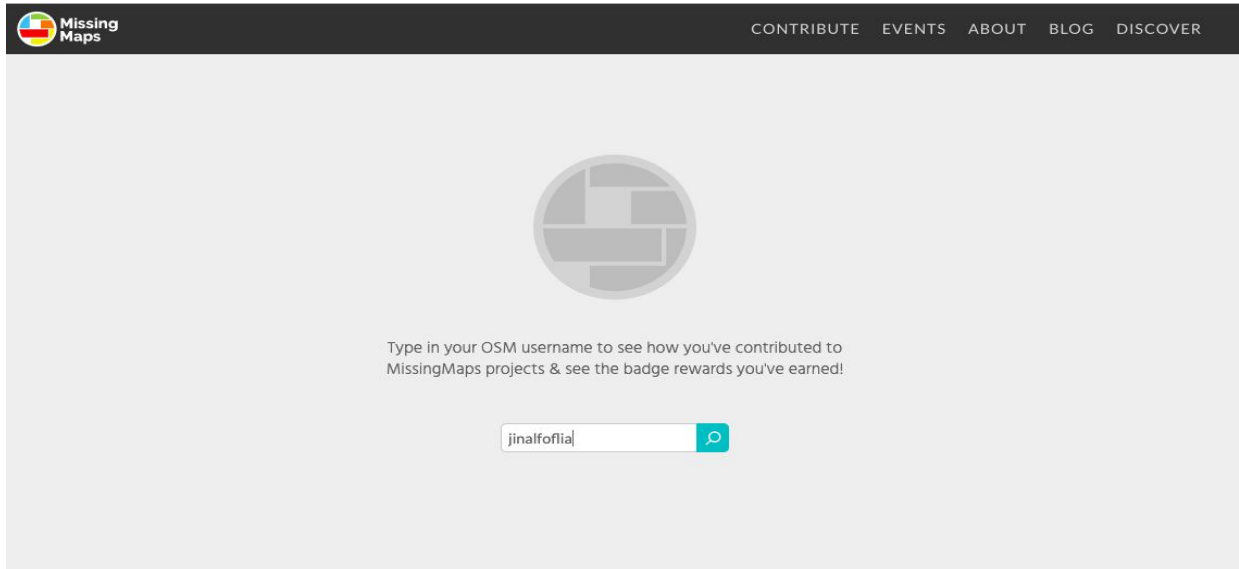
### Way 1: Using Overpass Turbo Queries

Here's the query we can run by adding users in batches of 10, it'll give the length of road and number of buildings added by a particular user.

**Query:** WIP

### Way 2: Using missing maps profile (This can be used if way 1 doesn't work)

While we start the event, we can make this a part of the form, where the attendee would visit their profile on missing maps (no prior registration is required, only OSM account is needed). Ask attendees to visit this page: <https://www.missingmaps.org/users/#/> and type their user names.



As soon as they are in their profiles, ask them to note the number of km of roads, number of buildings into the form.

**jinalfoflia**  
Pro Mapper | [OSM Profile](#)

Overview Badges

**LATEST EDIT**

**4**  
tracked edits made  
Friday at 5:38  
#adding-roads-to-condos-17-05-2019

**LATEST BADGE**

**UPCOMING BADGES**

Up your badge game by continuing to contribute.  
[CONTRIBUTE NOW](#)

**TOP PROJECTS CONTRIBUTED TO**

Project Hashtag	Changesets
#111	147
#to-fix	341
#https	173
#hotosm-project-14	119

**EDITS BY THE NUMBERS**

**31,139**  
Total Edits

**3,060**  
Changesets

**5,961**  
Building Edits

**58**  
Points of Interest

**1,202 km**  
Roads

**561 km**  
Waterways

Post the mapathon is done, visit each of their profiles and note the final values. Subtract the initial value and final value. It'll give us the length of the road, the number of POIs and buildings mapped.


# Validating the changesets added by the user

Quality of data contributed to OSM is very important and we should make sure that the data that we add is up to the mark. Here's how we can validate the changes on OSMCha:

<https://osmcha.mapbox.com/>

**NOTE: PLEASE MAKE SURE THAT WE TELL ATTENDEES TO ADD THE CHANGESET COMMENT WHILE UPDATING THE DATA ON OSM.**

Eg: #adding-roads-to-condo-date-of-the-event

 **OpenStreetMap**

Edit

History

Export

Upload to OpenStreetMap

×

Inspect

Changeset Comment

#adding-roads-to-condos-17-05-2019


Suggested Hashtags

#adding-roads-to-condos-17-05-2019 ×

#example...

Add field:


Sources

The changes you upload as  **jinalfoflia** will be visible on all maps that use OpenStreetMap data.

☐ I would like someone to review my edits.

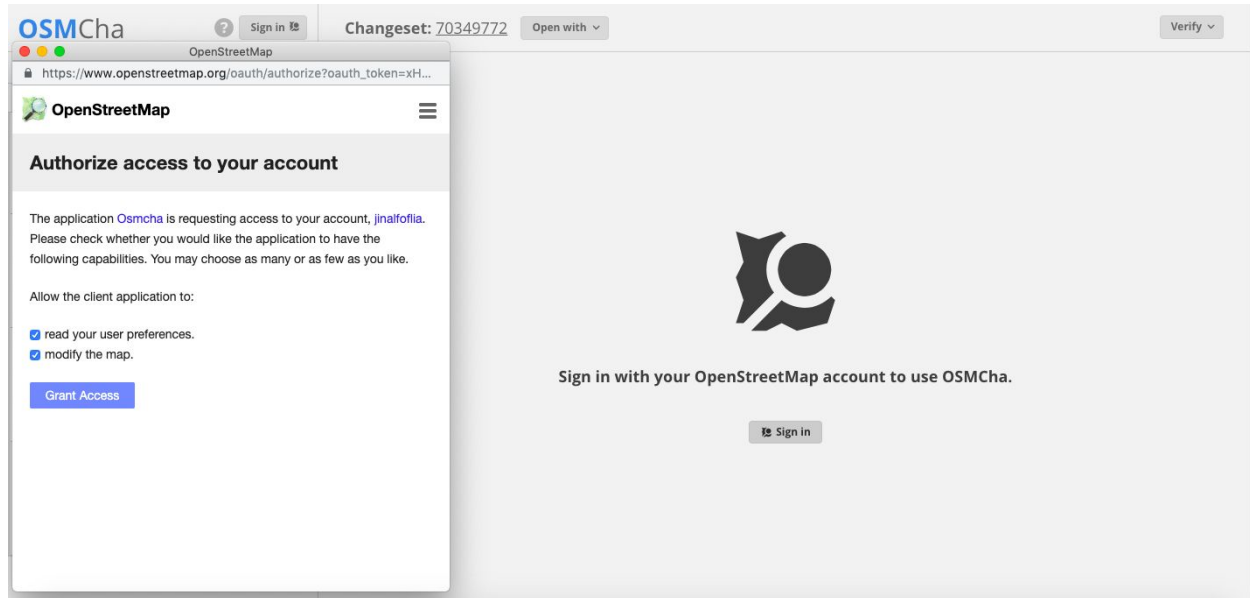
Cancel

Upload

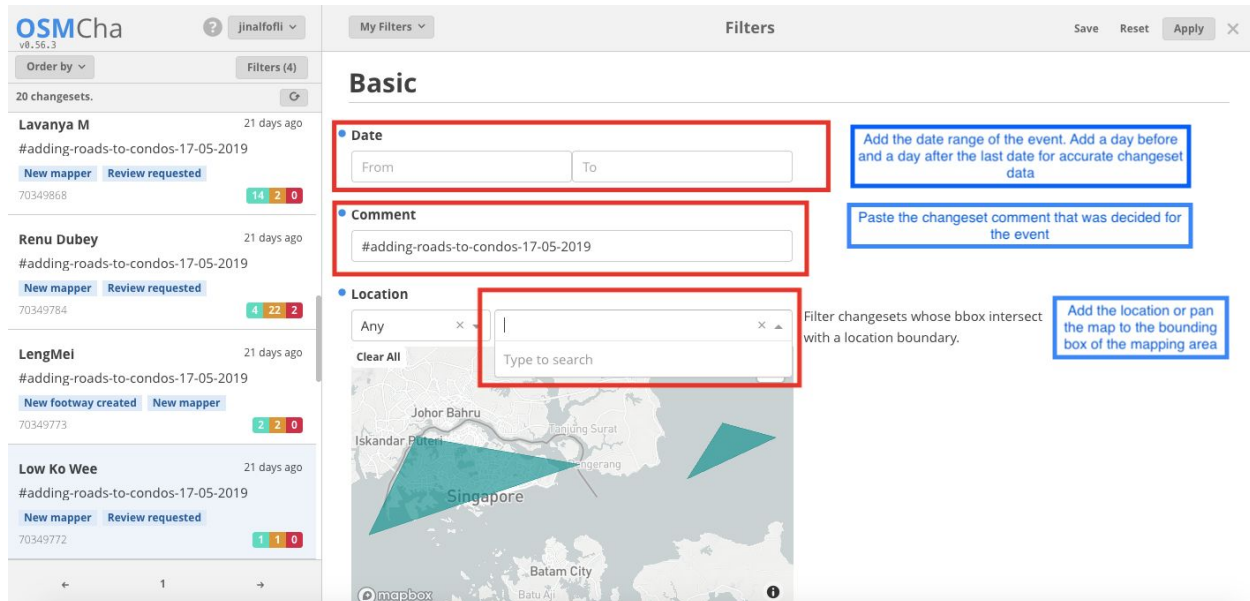


## Validation using OSMCha

Go to [OSMCha](https://www.openstreetmap.org/changesets), sign in using your OSM Credentials



Click on 'Grant Access'. Then click on filters and follow the following steps:



OSMCha

v0.56.3

?

jinalfofli

Order by

Filters (4)

20 changesets.

Lavanya M

21 days ago

#adding-roads-to-condos-17-05-2019

New mapper

Review requested

70349868

14

2

0

Renu Dubey

21 days ago

#adding-roads-to-condos-17-05-2019

New mapper

Review requested

70349784

4

22

2

LengMel

21 days ago

#adding-roads-to-condos-17-05-2019

New footway created

New mapper

70349773

2

2

0

Low Ko Wee

21 days ago

#adding-roads-to-condos-17-05-2019

New mapper

Review requested

70349772

1

1

0

My Filters

Filters

Save

Reset

Apply

×

Tags

OR

AND

SCROLL TO USERS

Add tags

Users & Teams

Users

jinalfofli

Renu Dubey

×

Add all the OSM usernames from the event

Show changesets created by the users.

Start typing to select one or more users.

Hide trusted users

Exclude changesets created by trusted users

Watchlisted users

Filter changesets created by users from your Watchlist

Mapping teams

Enter mapping teams

Hide mapping teams

Enter mapping teams

OSMCha

v0.56.3

?

jinalfofli

Order by

Filters (4)

20 changesets.

Lavanya M

21 days ago

#adding-roads-to-condos-17-05-2019

New mapper

Review requested

70349868

14

2

0

My Filters

Filters

mapping-condo

Confirm Save

Reset

Apply

×

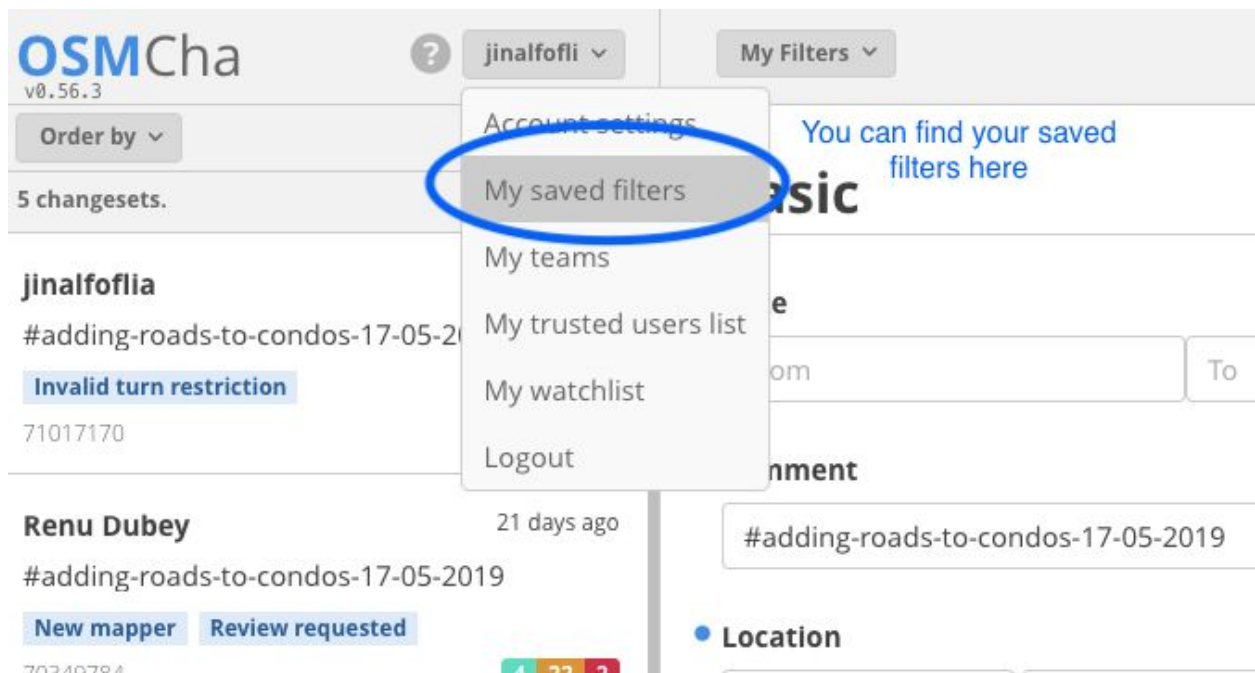
Give a name to your filter and then click on apply

Basic

Date

From

To



Post activating the filter, we should have all the user changesets on the left side of the screen. By clicking on a particular changeset, you can see the edits that the user has made, where:

1. Green indicates: New features/nodes created
2. Yellow indicates: Features that are modified
3. Red indicates: Features that are deleted

OSMCha

v8.56.3

2 jinalfofli

Order by

Filters (4)

5 changesets.

jinalfofli

an hour ago

#adding-roads-to-condos-17-05-2019

Invalid turn restriction

71017170

0 2 1

Renu Dubey

21 days ago

#adding-roads-to-condos-17-05-2019

New mapper Review requested

70349784

4 22 2

jinalfofli

21 days ago

#adding-roads-to-condos-17-05-2019

70349074

21 19 0

Renu Dubey

21 days ago

#adding-roads-to-condos-17-05-2019

New mapper Review requested

70348957

0 14 0

Changeset: 70349784

Open with

Verify

DETAILS

Renu Dubey (2 edits) created 21 days ago

#adding-roads-to-condos-17-05-2019

Translate

New mapper Review requested

SOURCE

Not reported

EDITOR

ID 2.14.3

IMAGERY

DigitalGlobe Standard Imagery

Way: 229629098

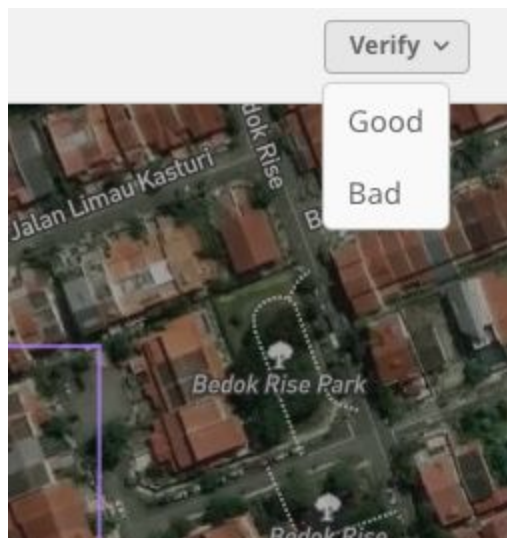
OSM Deep History

version	4	5
timestamp	2017-12-08T00:31:16Z	2019-05-17T10:00:40Z
changeset	54446289	70349784
uid	6562616	9980469
user	Lilles	Renu Dubey

TAG DETAILS

highway	footway	footway
---------	---------	---------

You can see the edits that the user has made and also check the history if there are issues with the edits, we can directly edit on iD editor/JOSM and leave a changeset comment for the user. If it's a good edit, then we can verify the edit to be a good edit and go ahead with the next edit.





# GrabMapMaker

WIP

## Exercises

WIP

# Workshop / Mapathon Planning

## Roles

There are three roles to each event (1-2 co-organizers, 1 speaker, and 1 facilitator). Each of which have different functions (to be discussed below). Together you form a team and will work together before the event to recruit, market, and plan. Please note that you can create multiple workshops with different people.

### Co-organizers (10p)

- To plan the workshop event, scope, activities etc.
- Work with faculty for location, room, projector etc.
- Recruiting participants, registration, etc.
- Journal submission

### Speaker (8p)

- Conduct the training session during the event itself
- Responsible for developing the material to be presented

### Facilitator (5p)

- Aid in answering questions or with any program related events

A workshop is a great way for you to build not only leadership, but also your skills in OSM. It is a way to strengthen and solidify concepts that you've just began to learn. Take this opportunity to build confidence through mapping!

## Activities

1. In groups of 4 (or 5), take 15 minutes to come up with ideas to how to attract your fellow students or friends to your upcoming workshops. How does mapping play a role to them? What would they like to get out of a workshop session? Also, what would you like to get out of the workshop? What would you like to explore more of? Think about ideas, and write them down. Please see Appendix for mindmap
2. Share your ideas with the entire Geo\*Star group
3. Form groups (ensure that there are enough participants to form full teams leaving noone behind) and begin to plan your first Geo\*Star workshop (30 min)

- a. Determine roles
  - b. Topic
  - c. Establish groups contacts and responsibility
  - d. If roles are contested, can switch with other groups as well
4. Share your plan with the entire Geo\*Star group and decide on dates (as to be dispersed logically throughout the course)
5. Decide on final Mapathon topic and date
6. Please log the dates on your calendar or planner (see appendix)

## Projects

Projects are a gateway for you to explore and do research on interesting mapping related topics. These projects can be done either by yourself or together in groups (max 4), it can be conducted anytime during the length of the program.

We would like you to go to:

[https://wiki.openstreetmap.org/wiki/Mapping\\_projects](https://wiki.openstreetmap.org/wiki/Mapping_projects)

- **Borders and Administrative Boundaries:** [WikiProject United Nations political boundaries](#) and [WikiProject Import WDB](#) are project focused on importing information about political boundaries between countries and territories from UN sources and from the CIA World Database.
- **Census:** [GeoCensus](#) community is mapping together with National Statistics Offices cities in developing countries in order to ask citizens to contribute with information about local buildings to the Openstreetmap platform. Although at this moment the [project](#) it's only running a test and measurements will not replace any of the traditional surveying undertaken by national statistics office, the agencies want to see whether census collaborative mapping can be used as an additional tool of data collection.
- **Collaborations:** [Wikipedia](#) (interoperation with Wikipedia includes more than 1.7 MiB of data linking to Wikipedia articles displayed in the map), [WikiProject FLOSS](#) (Supporting Free Libre and Open-Source Software and geospatial software/data).
- **Development partners:** [OpenStreetMap development partners](#) lets international development and humanitarian organizations list point people that are working on OpenStreetMap for better visibility and coordination.
- **Drinking water:** To satisfy a basic need and as an alternative to disposable plastic bottles, OSM has the world's largest catalog of [drinking water sources](#).
- **Food security:** Volunteers are mapping and tagging sources of healthy, safe and nutritious food, including urban gardening resources. See the [Food security](#) page for ideas.
- **Government:** Substantial usage and contribution to OpenStreetMap by Governments. See the [Government Usage](#) page for more.
- **Health Facility data:** [Healthsites](#) is an initiative to build an open data commons of health facility data with OpenStreetMap
- **Historic:** For features that no longer exist in OSM and the world, the [Open Historical Map](#) project collects and renders a separate API, database and rendering stack, with the aim to have a time-enabled map of everything that used to exist.
- **Humanitarian Relief:** The [Humanitarian OpenStreetMap Team](#) coordinates the creation, production and distribution of free mapping resources to support humanitarian relief efforts in many places around the world. There will be many projects including [WikiProject Haiti](#) and [2011 Sendai earthquake and tsunami](#).
- **Infrastructure:** At the heart of OSM is information about the road network (see [Highways](#)), railways (use [Railways](#) for a tagging introduction and see [Railways](#), below) and [WikiProject Metro systems](#), a project to map the world's metro systems. There is also [WikiProject Power networks](#), which focuses on mapping the electric and gas distribution and generation systems.
- **Marine and Shipping:** The [OpenSeaMap](#) project collects and adds information needed for navigation at sea, including locations of lighthouses and details of harbors. It displays this information with bathymetric data, weather charts and other dynamic data for all water-sport enthusiasts, such as sailors, divers and canoeists.
- **Nature, Conservation and Environment:** People in the [environmental OSM project](#) are active in adding information relevant to conservation of natural resources and habitats, as well as important cultural-heritage features (see [Conservation](#)). Other projects are [waterways](#) and [WikiProject Corine Land Cover](#), which is about importing information on land cover and land use for Europe.
- **Places of Worship:** [WikiProject Latter-day Saints](#) (mapping places of worship)
- **Railways:** There is a great deal of rail data in OSM, both freight and passenger. See [Category:WikiProject\\_Railways](#) for a country-by-country view and try [OpenRailwayMap](#) to see how the

From here you can gain ideas for projects and links. Spend 30 minutes of exploring different projects and get ideas to what you like to investigate more. Please use the mindmap in the appendix.

# Journals and Blogs

## Grab Geo\*Stars Journal Experience

We at Grab would love to hear from you about your experiences at Grab Geo\*Star Program. This form is on a voluntary basis, but your valuable input might be rewarded with Geo\*Star points! (0-10). Please send the completed journal to your Grab representative directly once completed. This form can be sent in teams or by yourself.

Topics of interest:

- General feedback or suggestions (2p/submit after each event)
- Blog posts (up to 10p)
- Other initiatives (up to 10p)

Please write your blog / social media content below (copy paste) and share with Grab contact person *before* posting for revision and feedback

Geo\*Star Contributor 1:

Geo\*Star Contributor 2:

Geo\*Star Contributor 3:

Geo\*Star Contributor 4:

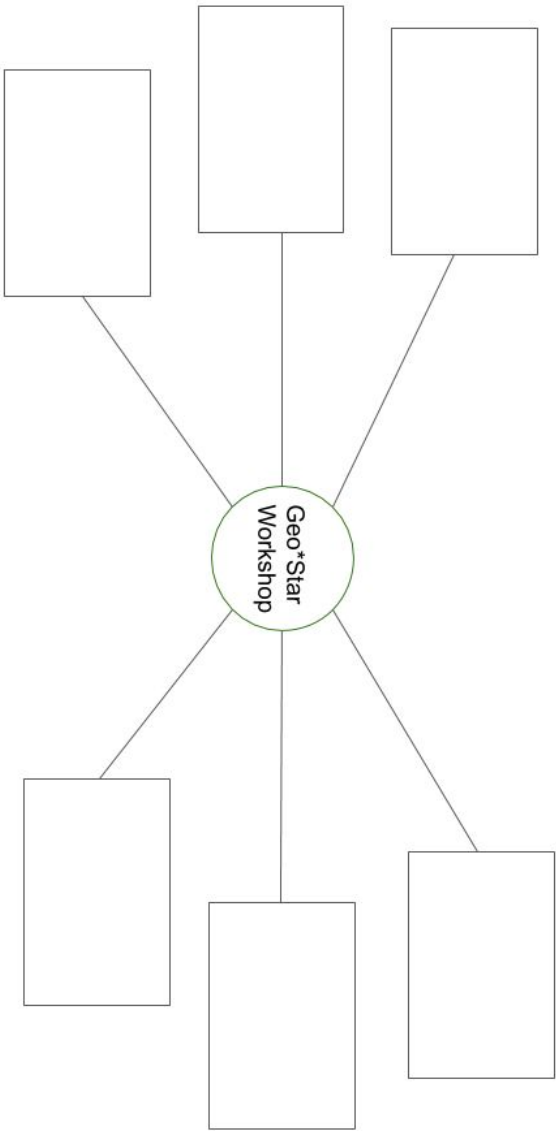
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The feedback / journal form serves several purposes, first a way for you to give feedback to us after each event (2p). Also, for you to draft your plan and show content for social media post of your work post events (work can be shown for workshops or projects). Extra credit can also be awarded to any other initiatives that you'd like to partake during your Geo\*Star journey.

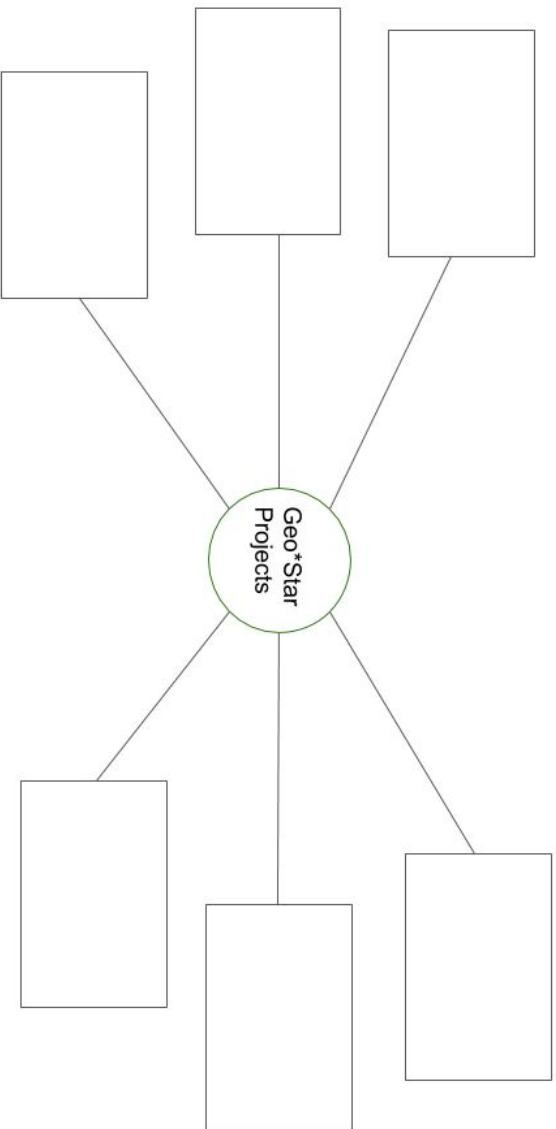
Please share all your ideas and contents with us for feedback and suggestions before posting online.

## Appendix

**Ideas or topics for workshops**



**Ideas or topics for projects**



**Tentative outline/schedule of Geo\*Stars**

Date								TBD
Event/ Activity*								Mapathon!

***\*Journals, Workshops, and Projects***