4.3 Navigation Applications

Several mobile applications exist to assist with field navigation using OpenStreetMap as a baselayer and functioning offline for low-connection environments. Options include OSMAnd and Maps.me

1. OSMAnd

OSMAnd is a global mobile map viewing and navigation app for online and offline OSM Maps. It is used for recording tracks as well as mapping features. It provides easy way to record and submit information in the field.

Skills and Technology Needed

- Internet Connection (for application download)
- Mobile devices (see Hardware for specifications.)
- Android

Resources

- LearnOSM: https://learnosm.org/en/mobile-mapping/osmand/
- OSM Wiki: https://wiki.openstreetmap.org/wiki/OsmAnd

Download

- Google Play: https://play.google.com/store/apps/details?id=net.osmand&hl=en_US

2. Maps.Me

Maps.me is a navigation application that uses OpenStreetMap data, and can be used offline. It is suitable for collection Point of Interest (POI) information, as far as these fit within the types of data that Maps.me shows you on the map.

Skills and Technology Needed

- Internet Connection (for application download)
- Mobile devices (see Hardware for specifications.)
- Android or iOS device

Resources

- Maps.me: https://maps.me
- OSM Wiki: https://wiki.openstreetmap.org/wiki/MAPS.ME

Download

- Google Play: https://play.google.com/store/apps/details?id=com.mapswithme.maps.pro&hl=en_US

Training Materials

- Introduction to mobile data collection tools