**Three Days OSM Training Outline**

**Day One: Introduction to OSM & JOSM**

|  |  |  |  |
| --- | --- | --- | --- |
| **Time** | **Duration (minutes)** | **Activity** | **Materials** |
| 9:00 | 90 | Introduction to OSM   * Ramani Huria * Navigating the Map * Creating user accounts * Map Layers * Share | 1-1 Dar Ramani Huria |
| 10.30 | 30 | Break |  |
| 11.00 | 120 | Introduction to JOSM   * Downloading JOSM * Installing JOSM * Basic Operations * Drawing nodes, ways * Adding tags * Tools Menu * Using imagery (mbtiles) | 1-2 Introduction to JOSM |
| 13.00 | 60 | Lunch break |  |
| 14.00 | 90 | Data model and tagging   * What are tags, why use them * Data model by feature   + Drainage   + Buildings   + Roads   + Sanitation   + Land use | 1-3 Data model and tagging |

**Day Two: Data Collection Tools: Field Papers, GPS Units, JOSM in detail**

|  |  |  |  |
| --- | --- | --- | --- |
| **Time** | **Duration (minutes)** | **Activity** | **Materials** |
| 9.00 | 90 | Introduction to Field Papers   * Create and Print field papers * How to Map with field papers   Introduction to GPS Units and OSM Tracker   * How to use a GPS Unit to record waypoints and tracks * Importing GPS data into JOSM * Customising the GPX layers * Uploading Traces to OSM * OSM Tracker * Other Mapping apps | 2-1 Field papers  2-2 Mapping Tools |
| 10:30 | 30 | Break |  |
| 11:00 | 120 | JOSM in detail   * Plugins   + Buildings   + mbtiles   + utils plugin 2 * Square buildings (Q) * Joining nodes to ways (J) * Ungluing ways (G) * JOSM Filters * Custom Presets * Quality Assurance * Validation tools * Correct imagery offset * Conflict Resolution | 2-3 JOSM in detail |
| 13:00 | 60 | Lunch break |  |
| 14:00 | 90 | Spare time for continued lecture on JOSM, or practical exercises with JOSM; remote mapping. |  |

**Day Three: Daily Mapping Process**

|  |  |  |  |
| --- | --- | --- | --- |
| **Time** | **Duration (minutes)** | **Activity** | **Materials** |
| 9.00 | 90 | Create and print Field Papers for the day |  |
| 10.30 | 30 | Break |  |
| 11.00 | 120 | Data Collection  Digitization | Mapping checklists  Data model  Data collection form |
| 13.00 | 60 | Lunch |  |
| 14.00 | 60 | Data review  Conflict Resolution | 3-1 Data review |
| 15.00 | 30 | Briefing, groups 1, 2 and 3 | 3-2 How to make better maps  Created on the fly. |
| 15:30 | 30 | Briefing, groups 4, 5, and 6 |  |