Reference data supporting Epidemiological teams
Overview of GIS in MSF-CH

- **Mid-2013, definition of GIS Strategy**
  - Promoting the use of maps and other GIS products in the organisation.
  - Consolidating existing GIS capacity in MSF.
  - Ensuring good capacity to share information within MSF-CH and potentially across the organisation.
  - Ensuring participation and capacity building within the organisation.

- **2014 – Creation of an Operational GIS Unit for MSF-CH**
  - Creation of the Internal Map Centre
  - First activation: Hayan Typhon - Novembre 2013
  - First Deployment: Ebola Crisis – March 2014
Ebola Crisis: an example of collaboration between GIS and Epidemiologic

- March 2014 – First deployment of a GIS officer
  - Working closely with epidemiological team
  - Localizing villages and settlements
  - Monitoring the outbreak
  - Added-value for all units: Outreach, log, comm...
Technical Challenges

- Reference Data NON available
  
  **Data sources:**
  - Government
  - Satellite Imagery/HOT
  - Assistants: GPS points

- Data Management
  
  - Cleaning
  - Standardisation
  - Compilation
Human Challenges

- **Collaboration with Epidemiologic**
  - Confidence for a good collaboration
  - Promote of use of GIS in an Emergency context

- **Confidentiality of Data**
  - Epidemiological data not sharable
  - Anonymized data
  - Compilation of data from multiple sources
Success story!
- 4 GIS officers on the ground
- Useful support
- Useful products
Sharing information

- Sharing Data or sharing information?
  - Map Centre: internal tool for sharing GIS products.
Thanks for your attention