**Summary:** The Humanitarian OSM Stats (Humstats) dashboard developed by HeiGIT serves several humanitarian organisations to provide detailed reports on their OSM mapping statistics on a global scale. Organisations that use the Humanitarian OSM Stats tool are Médicines sans Frontières (MSF), the Humanitarian OpenStreetMap Team (HOT), Tanzania Development Trust and the American Red Cross as well as local communities, companies and other groups and humanitarian organisations.

**The Problem**

- Effective reporting on humanitarian mapping through the HOT Tasking Manager has been difficult without extensive knowledge of (Geo-) Informatics → difficulty for humanitarian organisations
- For the reports several different global data sources need to be combined through a geographical analysis
- To provide weekly updates that facilitate reporting the statistics need to be derived in an automated way. Only this high temporal resolution allows a continuous monitoring.
The Solution: Humanitarian OSM Stats tool and dashboard
► easy to use interface so that users (e.g. humanitarian organizations) easily can acquire information on their mapping performance.
► brings together information from HOT’s Tasking Manager, OSM and global population stats using a geographic database system.

The Results: Humstats helped...
► HOT to establish a new financial model to ensure the sustainability of the Tasking Manager software.
► HOT to apply for and win funding for the Audacious project. The information by humstats have been used by HOT to report the current progress to donors.
► Tanzania Development Trusts to provide a weekly update to mappers in their community and to reveal their impact on mapping in Tanzania which comes up to more than 3.1 million buildings and 136,000 kilometers of roads.
► the American Red Cross to assess the performance of their validator class and to derive the baseline statistics. These numbers will be used to assess the intervention outcomes.

Key Component: ohsome OpenStreetMap History Analytics
The data contributed to OSM is evaluated through the ohsome OpenStreetMap History Analytics platform. This high-performance spatio-temporal data analysis platform for OpenStreetMap full-history data developed by HeiGIT for this analysis is based on top of HeiGIT’s OSM history database OSHDB.