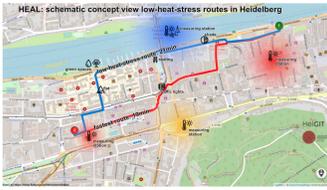
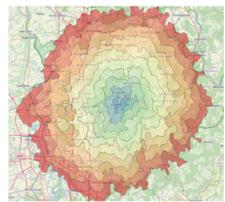


The **Green 15-Minute City** analyses mobility patterns and access to essential services across age groups to improve citizens well being in cities.

GIS for Health, Environment and Climate Action



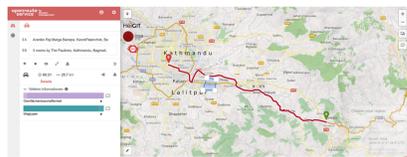
The **HEAL project** investigates low-heat-stress pedestrian routes using a prediction model of heat stress parameters based on machine learning.



The **openrouteservice** determines reachability areas from any given location(s) on the map for huge regions with unusually high performance.

openrouteservice

Transportation and Logistics for Humanitarian Organizations

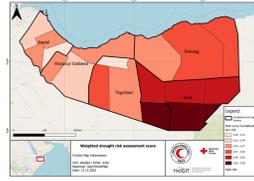


The **openrouteservice** supports the work of humanitarian actors and allows users to select streets, regions and even countries as avoid areas during the routing process.



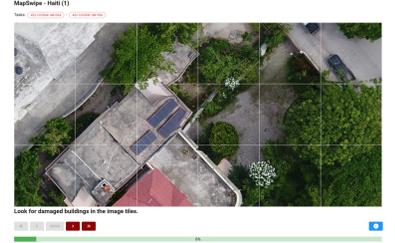
Four-day **GIS training workshop** on data analysis towards „Closing the gap between disaster preparedness and emergency relief“.

GIS Analysis for Decision Support in Forecast Based Action Projects

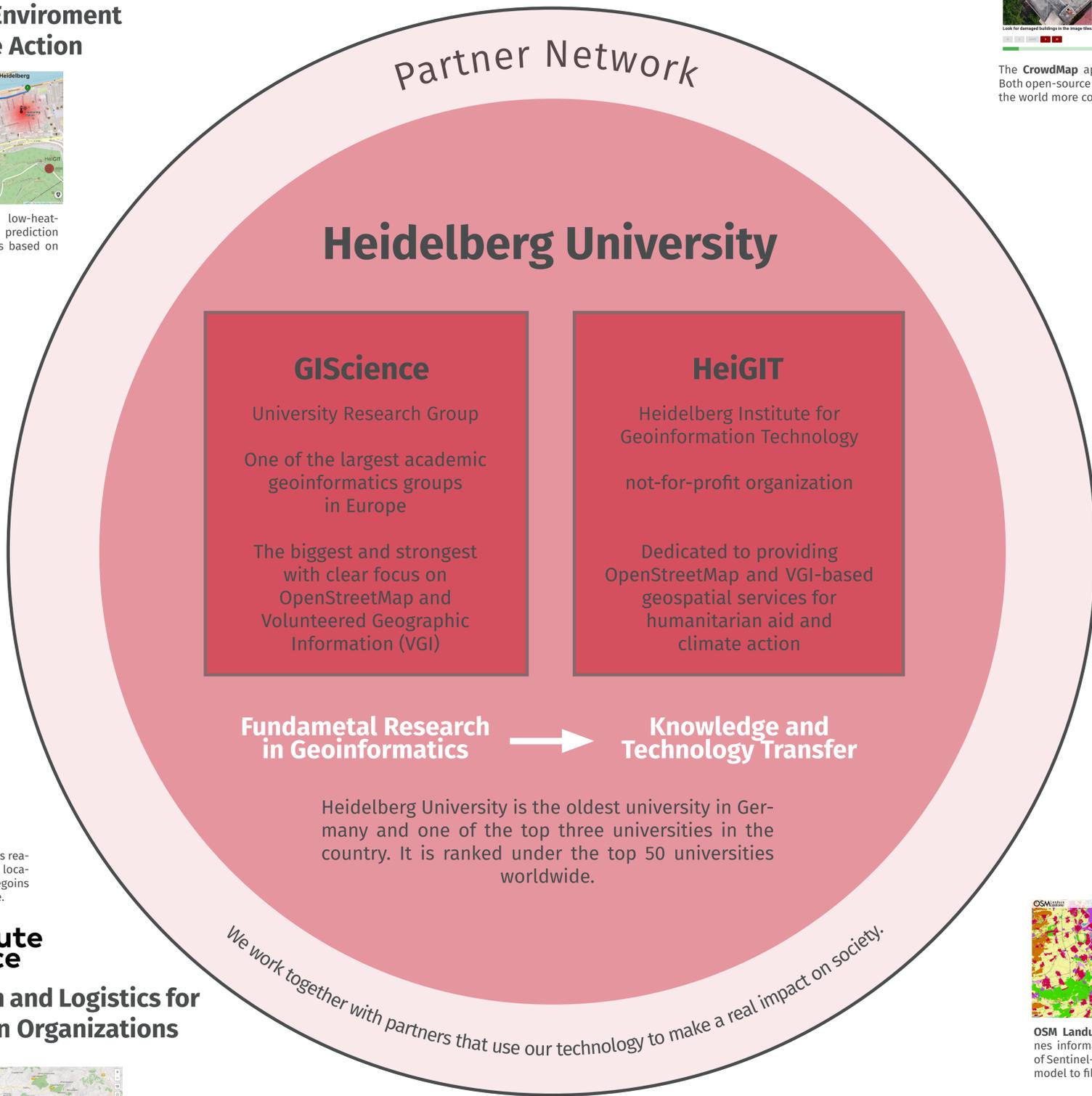


Map of weighted drought risk assessment score for **Somaliland FBF project**.

Community Mapping Tools and Crowdsourcing Infrastructure

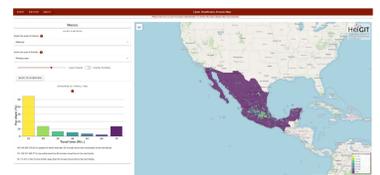


The **CrowdMap** application builds upon **MapSwipe**. Both open-source applications make mapping around the world more coordinated and efficient.



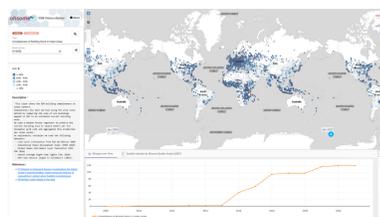
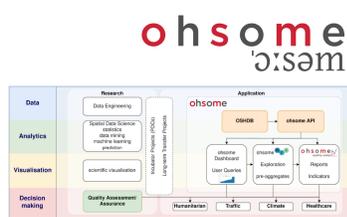
OSM Landuse Landcover application combines information from OSM and classification of Sentinel-2 imagery using a machine learning model to fill data gaps.

Actionable Data and Machine Learning



Open Healthcare Access Map provides insights into health care supply by intersecting accessibility data and population distribution for all countries across the globe.

OpenStreetMap Data Quality and Monitoring in Near-Real Time



ohsomeHex uncovers the spatio-temporal relationships and patterns of topics represented in OSM, such as visualized here for the completeness of buildings in cities.



The objective of HeiGIT and GIScience Research Group at Heidelberg University is to improve knowledge and technology transfer from fundamental research in geoinformatics to practical applications.

Twitter (@GIScienceHD) | Mapstodon (@heigit@mapstodon.space) | LinkedIn (HeiGIT)
HeiGIT-Website (heigit.org) | GIScience-Website (geog.uni-heidelberg.de/gis/)

