Accessibility Model for Field Planning and Response

MEDECINS SANS FRONTIERES | TRANSFORMATIONAL INVESTMENT CAPACITY

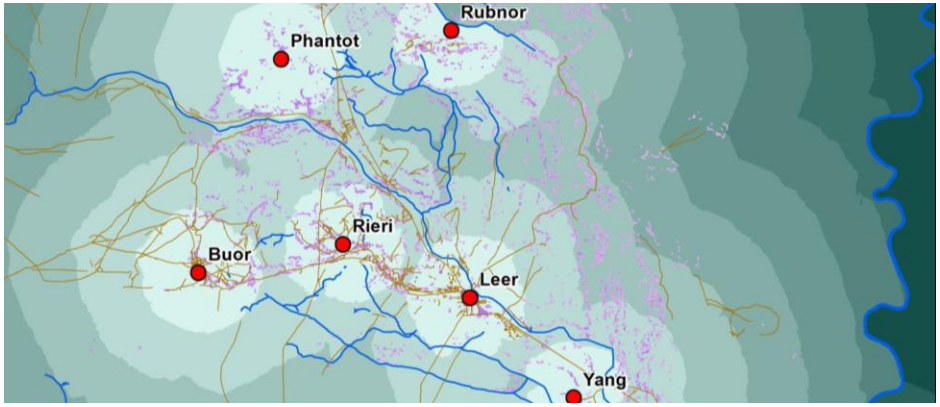
Project Summary

Problem

MSF aims to offer populations **access to quality health services**. Currently, catchment areas and travel distances to health sites are determined by linear distance to health facilities which **do not consider geographical barriers** such as mountains or rivers, **nor emergency barriers** such as floods or collapsed infrastructure.

Proposed Solution

Adapt, test and implement an **interactive geographic accessibility model** that assesses MSF health care facilities coverage and heuristically **determines best locations for health activities** using a multifactored approach. This includes elevation analysis, information about conflict areas, disasters, etc.



Potential Impact

- Increases access to MSF health care services – **reaching the last mile.**
- Provides decision makers with a more accurate overview of existing healthcare facility **coverage** to **inform MSF emergency response activities.**

Viability

- Builds on the work of World Bank geographical info system (GIS) experts and a GIS consultant.
- Deploys a strong project team and stakeholder network.

Risk Mitigation

- Applies a **user-centred approach** to ensure ease of use and broad adoption of the tool.
- Triangulates data to ensure high data quality.

Scalability

- Plans to **host and scale** the accessibility model through the MSF GIS Centre.

Area/Type: Operational Improvement
Sponsor/Support: *MSF UK Sponsor, led by the Manson Unit*
Length/Project Status: 24 months; ONGOING