

## PIN WASH TECHNOLOGY INNOVATIONS

Using geo-information for precise targeting

## **Cost of distance analysis**

Detailed information about population density, distribution and water source coverage is necessary for precise targeting of WASH interventions. As rural water sources are often decentralized and unevenly spread over vast areas it is important to locate communities farthest from the source. Data from census and official statistics that respect administrative borders do not reflect the real water fetching situation which is defined by natural barriers. PIN uses satellite mapping and geospatial analysis to locate gaps in water source coverage.





## **ANALYZING PROCESS**





## Water distribution schemes modeling

