Improving Water Management in Punjab (Pakistan) Barani Areas through use of Geospatial Technologies

Agency for Barani Areas Development (ABAD)



Pakistan Space and Upper Atmosphere Research Commission (SUPARCO)



Overview

"Strengthening of Database of ABAD with GIS & RS Techniques and GNSS Surveying"

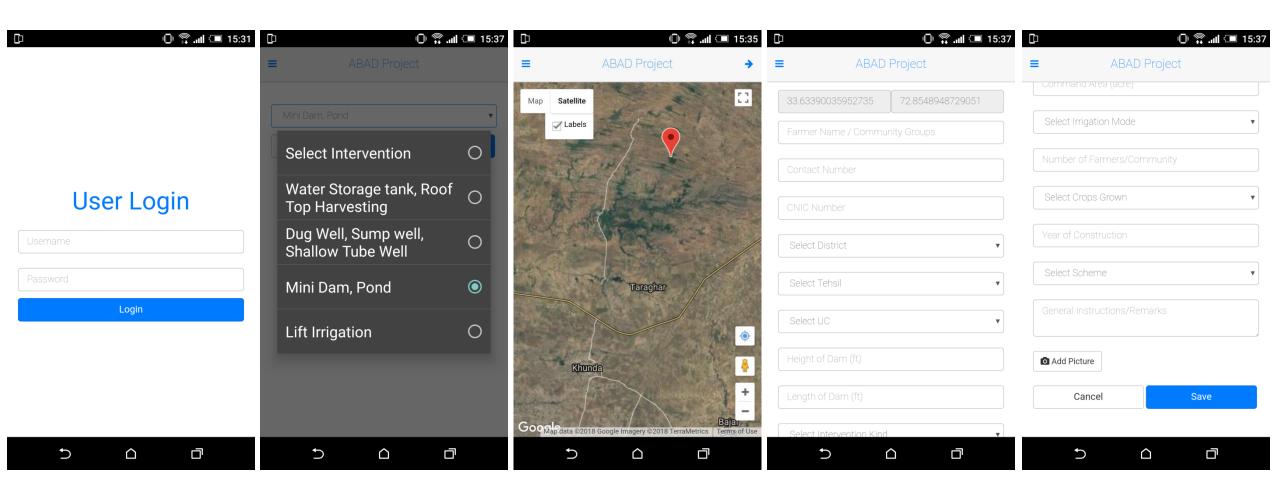
- From older Methods, Practices and Data
- To Modern geospatial **tools**, recent **data**, systematic; organized and readily available **database**

Objectives

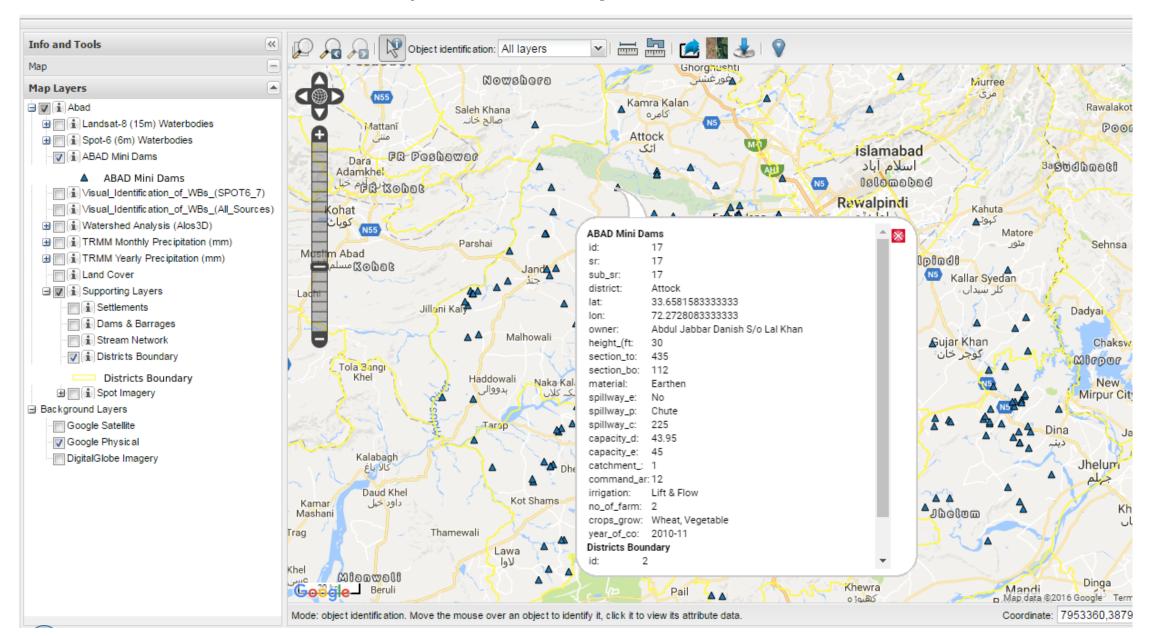
"Strengthening of Database of ABAD with GIS & RS Techniques and GNSS Surveying"

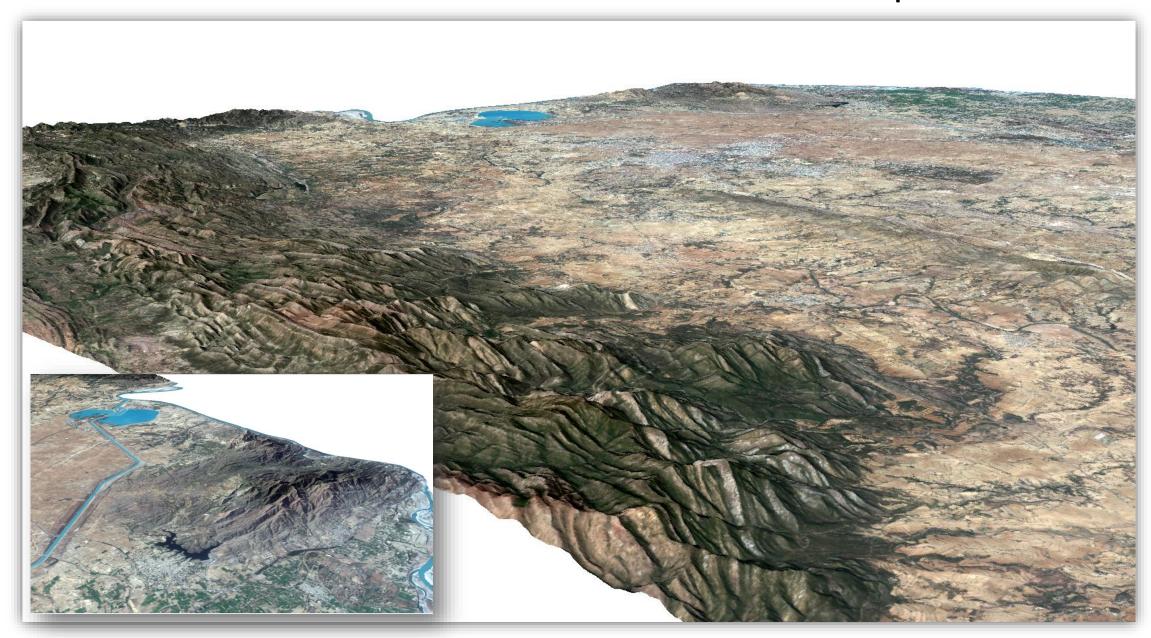
- Development of Spatial Database
- Identification of Potential Area for Development
- Capacity Building of ABAD

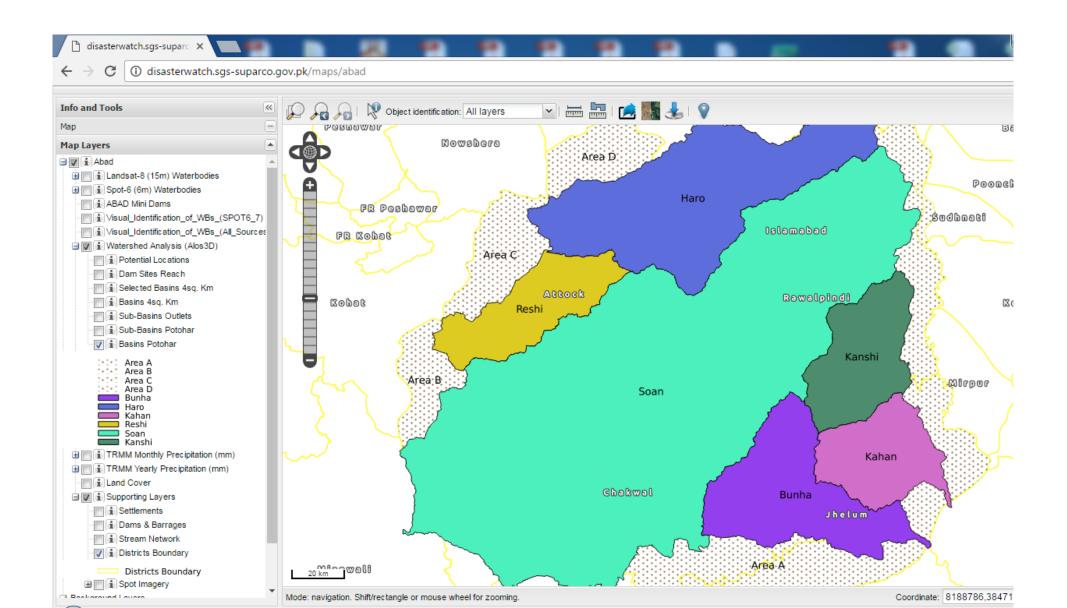
Development of **Spatial Database**

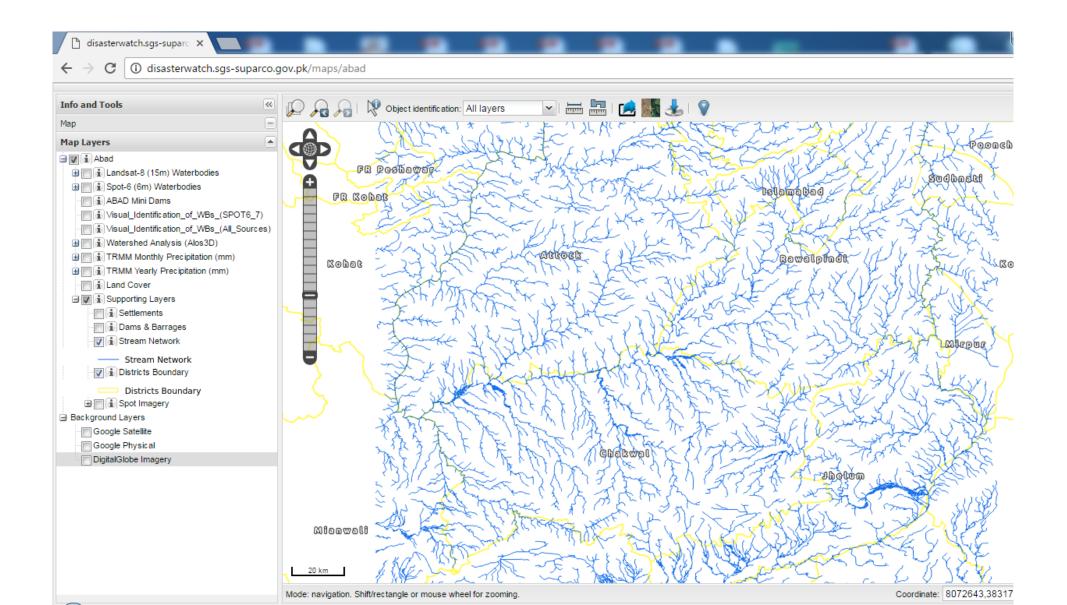


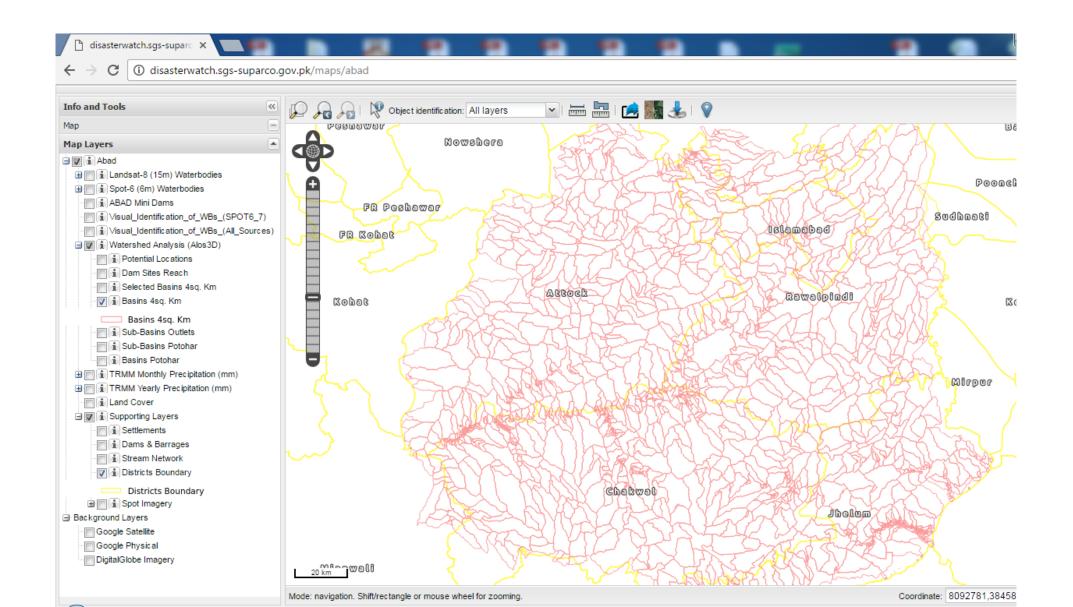
Development of **Spatial Database**

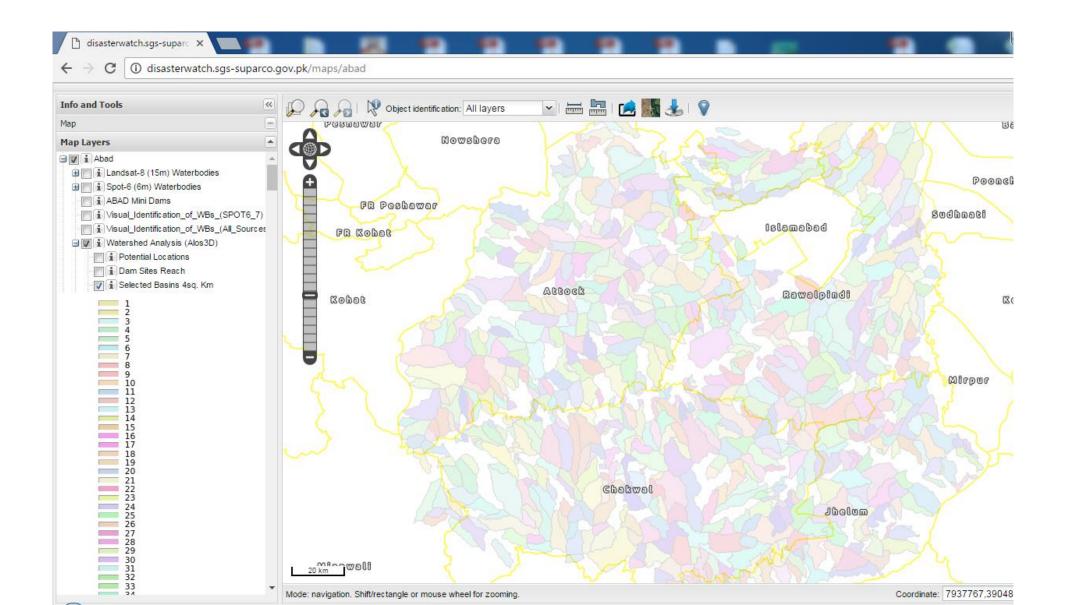


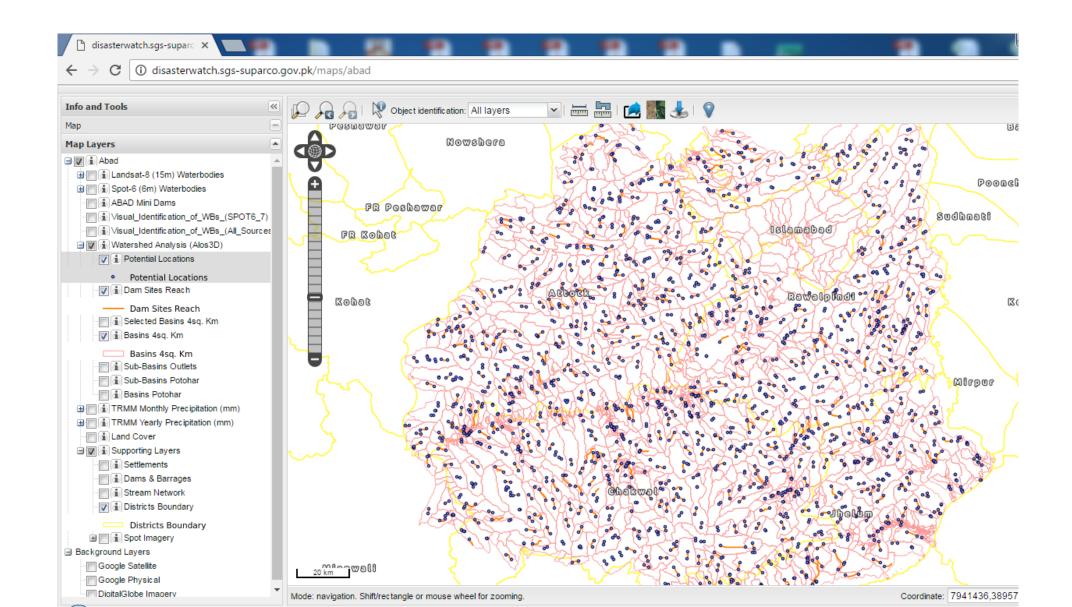




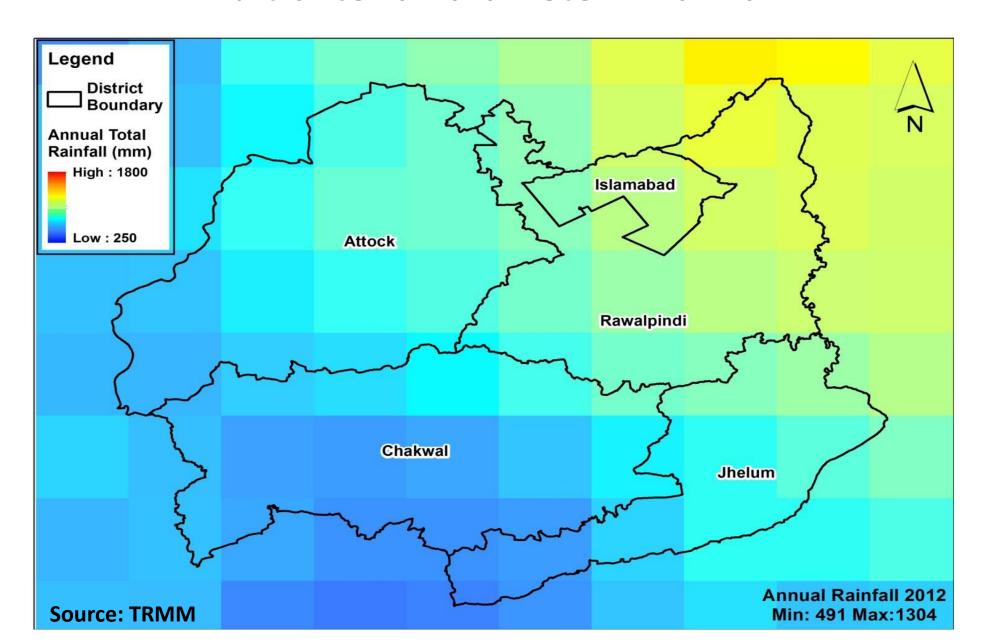




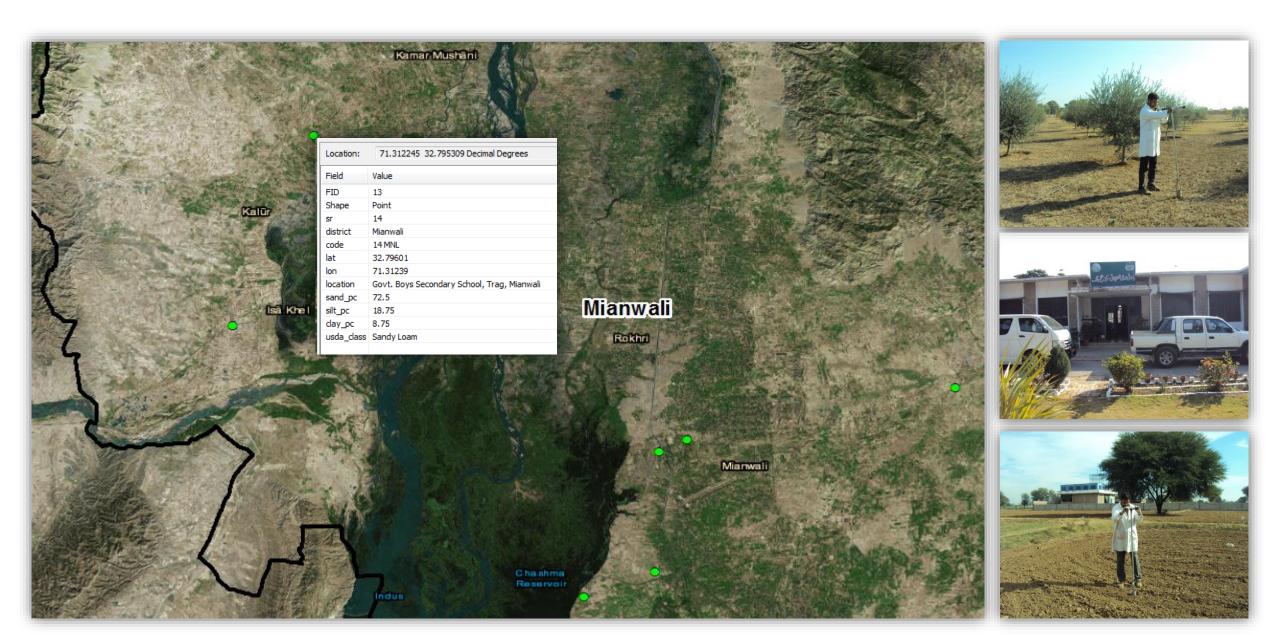




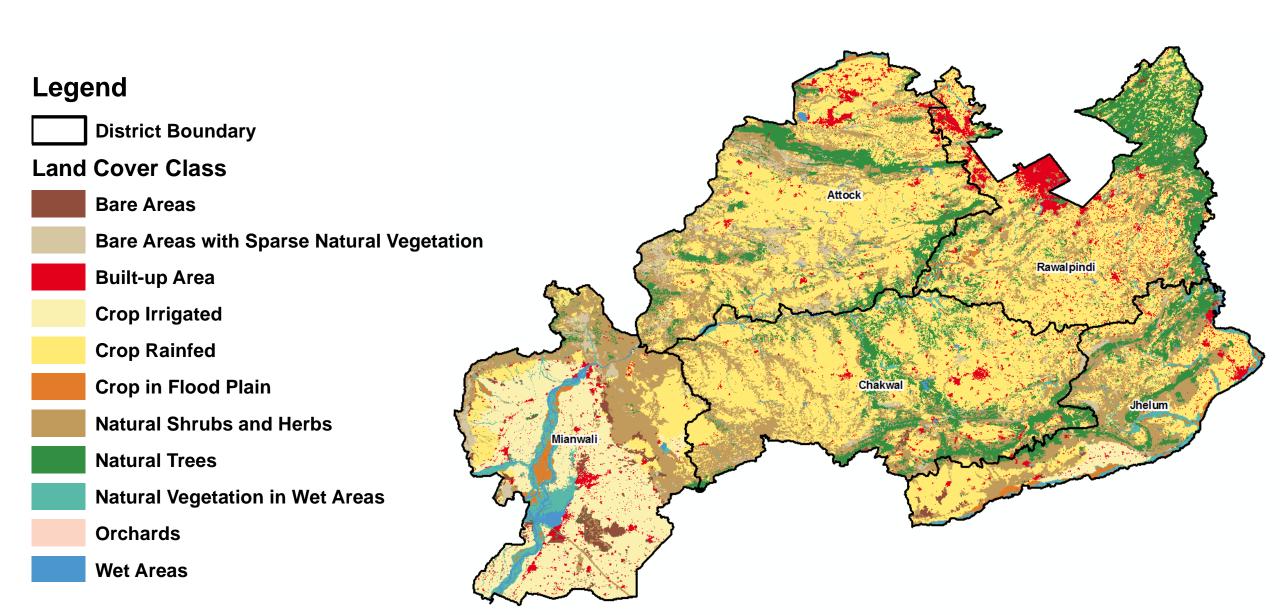
Multicriteria Parameter – Rainfall



Multicriteria Parameter – Soil



Multicriteria Parameter – Land Cover



Multicriteria Parameter – Slope

Legend

District Boundary

Slope (%)







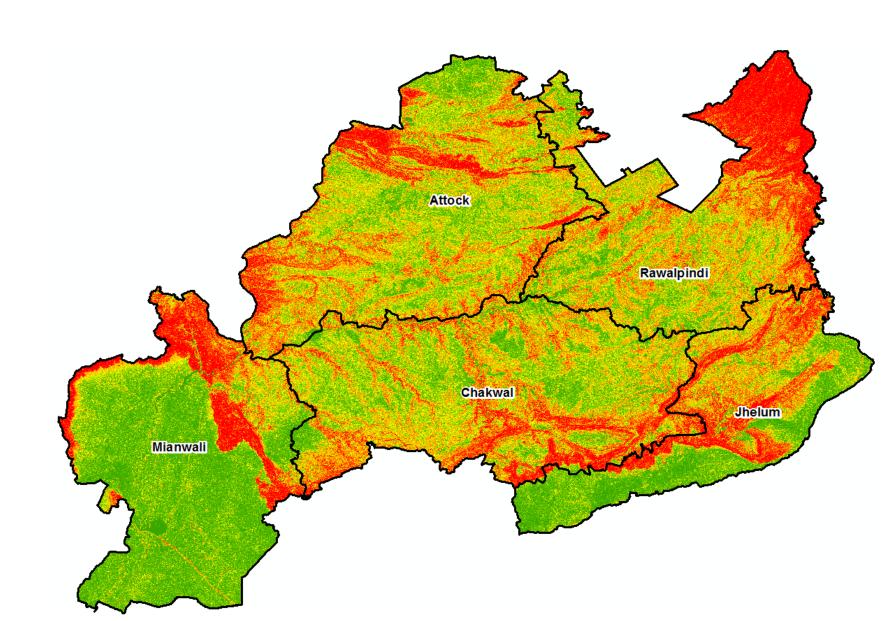












Capacity Building of ABAD

- Establishment of RS GIS Lab in ABAD
- Hiring of RS & GIS Experts in ABAD
- Formal **Trainings** on RS, GIS and GNSS
- On Field Trainings







Thank You