

Grant Amount: \$148,357

Grant Period: March 2022–March 2023

Country: Tajikistan



GOAL

To promote effective management of water resources by developing a land irrigation geographic information system (GIS) and database for the Zafarabad district in the Sughd region of Tajikistan

OBJECTIVES

- To conduct inventory of water facilities, irrigation systems, GIS maps, and database in ESRI Arc GIS for 35 Water Users Associations (WUA) and the local Department of Melioration and Irrigation and to integrate this data into a unified GIS database for the Zafarabad district.
- To share knowledge on how to use the developed GIS and database with stakeholders at the local, national, and regional levels.

RESULTS

- Mobilized local stakeholders, partners, and working groups to carry out inventory of water facilities and irrigation systems, including 35 WUAs, the Department of Melioration and Irrigation, and farmers.
- Conducted water facilities and irrigation system inventory.
- Developed GIS and database for 35 WUAs and integrated that data into one united GIS and database for the Zafarabad district.
- Held trainings for stakeholders on using the GIS and database, including participants from WUAs and the local Department of Melioration and Irrigation.

The database and GIS for Zafarabod district will be used by the Tajikistan Ministry of Energy and Water Resources within the state's water sector digitalization program.

For more information, contact kurbonnazar@mail.ru.

