

Grantee Fact Sheet Cadaster and GIS

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.

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USAID Central Asia's Regional Water and Vulnerable Environment Activity is focused on strengthening regional capacity to manage shared water resources and mitigating environmental risks in the Syr Darya and Amu Darya River basins. The Activity takes a multilevel approach to tackling complex regional water challenges by strengthening collaboration through stakeholder dialogues, developing a shared vision for integrated and sustainable river basin management using evidence and modeling, and fostering collaborative action across sectors and governance levels.



USAID Central Asia's Regional Water and Vulnerable Environment Activity supported 16 projects (grants under contract) in all countries of Central Asia.