



USAID
FROM THE AMERICAN PEOPLE

Advanced Science and Partnerships for Integrated Resource Development:

ASPIRED Project



USAID
FROM THE AMERICAN PEOPLE

ASPIRED Goal and Purpose

Goal:

To reduce the rate of groundwater extraction in the Ararat Valley to sustainable rates

Purpose:

To support sustainable water resource management and sustainable practices of water users at the core of water-energy nexus through the use of science, technology, innovation and partnerships



USAID
FROM THE AMERICAN PEOPLE

ASPIRED Project

Supports the USAID/Armenia Mission Goal on A More Engaged Prosperous, and Well Governed Armenian Society

Directly contributes to:

- Development Objective 1: More Inclusive and Sustainable Economic Growth
- Sub- Intermediate Result 1.1.3: More Strategic Management of Energy and Water Resources.



Water Resource Data

Improved and strengthened data collection and maintenance:

- ✓ Inventory of groundwater springs, wells and fish farms in the Ararat Valley
- ✓ Introducing an automated online system for groundwater use monitoring

Improved data processing and data analysis:

- ✓ Strengthening the State Water Cadastre Information System
- ✓ Applying remote sensing technologies for data analysis
- ✓ Enhancing the Decisions Support Tools
- ✓ Preparing the Ararat Valley atlas



USAID
FROM THE AMERICAN PEOPLE

Pilot Technologies in the Core of Water-Energy Nexus





USAID
FROM THE AMERICAN PEOPLE

Water Regulation and Enforcement

Rigorous, evidence-based analysis of optimal rates of fees for groundwater use for fish farming

Recommendations on water use permitting compliance monitoring and enforcement measures

Training and capacity building programs for key stakeholders on groundwater monitoring and enforcement



Stakeholder Coordination

- to maximize the use of resources,
- to merge efforts and avoid duplication of projects

ASPIRED Stakeholders and Partners

- ✓ RA Ministries dealing with resource management and conservation
- ✓ Fisheries (private sector)
- ✓ Rural communities
- ✓ Donors and donor-led projects
- ✓ ICARE via PEER grant
- ✓ USGS, USAID Global Development Lab and its Geocenter



USAID
FROM THE AMERICAN PEOPLE

Thank You!