



**USAID**  
FROM THE AMERICAN PEOPLE

Integrated Natural Resources  
Management in Watersheds  
of Georgia (INRMW) Program



Global  
Water for  
Sustainability  
PROGRAM

# **INTEGRATED NATURAL RESOURCES MANAGEMENT IN WATERSHEDS OF GEORGIA - INRMW**

**Eliso Barnovi**



**USAID**  
FROM THE AMERICAN PEOPLE

Integrated Natural Resources  
Management in Watersheds  
of Georgia (INRMW) Program



Global  
Water for  
Sustainability  
PROGRAM

## PROJECT INFORMATION

**PROJECT GOAL:** *improve people's lives* in Georgia by *managing natural resources* more *sustainably*

**APPROACH:** application of *innovative, participatory INRM models* in targeted watersheds, upscaling of applied models through providing *TA and advisory services* and *developing capacities* of relevant institutions

**DURATION:** *4 years: Oct.2011-Sept. 2014*

**AWARD AMOUNT:** *\$US 6 Million*

**DONOR:** *USAID*



**USAID**  
FROM THE AMERICAN PEOPLE

Integrated Natural Resources  
Management in Watersheds  
of Georgia (INRMW) Program




Global  
Water for  
Sustainability  
PROGRAM


## PROJECT INFORMATION

### IMPLEMENTATION MODALITY:

#### **GLOWS** CONSORTIUM

-  Grant Cooperation agreement with FIU

-  FIU representative office in Georgia

-  Consortium with: Care International, UNESCO-IHE, Winrock International, CENN



**USAID**  
FROM THE AMERICAN PEOPLE

Integrated Natural Resources  
Management in Watersheds  
of Georgia (INRMW) Program



Global  
Water for  
Sustainability  
PROGRAM

## PROJECT INFORMATION

### ROLES OF PARTNERS

- **FIU:** Coordination, natural resources planning, TA, databases, public outreach
- **CARE :** Community mobilization, small grants. Ecoclubes
- **UNESCO-IHE:** Assessment of water safety issue and elaboration of water safety plans
- **CENN:** Assessment of natural disasters and climate change risks and elaboration corresponding plans
- **WINROCK:** Energy Assessment



**USAID**  
FROM THE AMERICAN PEOPLE

Integrated Natural Resources  
Management in Watersheds  
of Georgia (INRMW) Program



Global  
Water for  
Sustainability  
PROGRAM

## PROJECT INFORMATION

### ACTIVITIES/MAJOR DELIVERABLES:

- ***Scoping***: Selection of 4 pilot watersheds/areas;
- Watershed ***detailed assessments***;
- ***INRM planning*** in 4 pilot watersheds areas
- ***Community grants (30-40), ecoclubs (35),***
- ***TA and Advisory Services*** to GoG
- ***Public Outreach***



**USAID**  
FROM THE AMERICAN PEOPLE

Integrated Natural Resources  
Management in Watersheds  
of Georgia (INRMW) Program

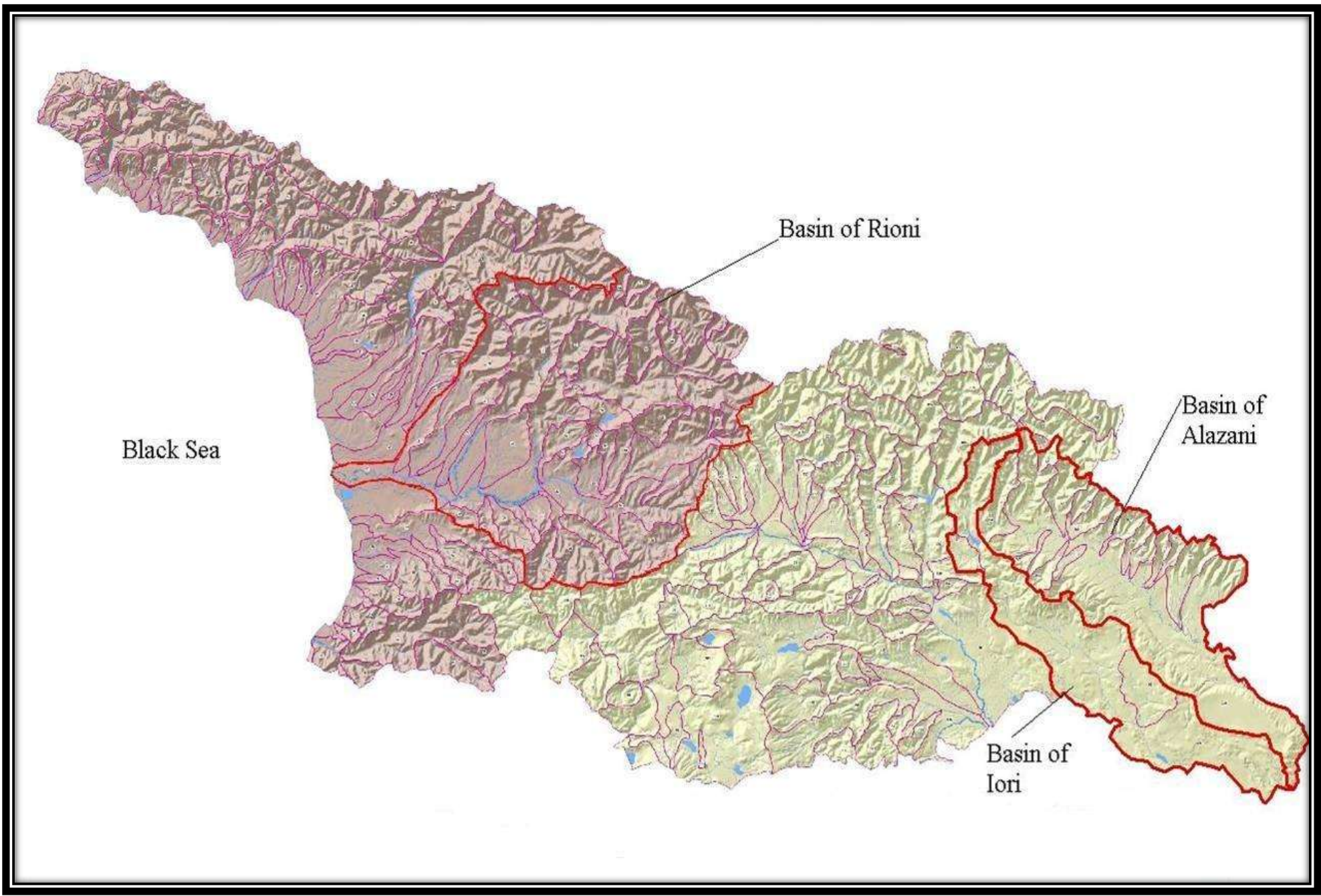


Global  
Water for  
Sustainability  
PROGRAM

## PROJECT INFORMATION.

### GEOGRAPHIC SCOPE:

- ***INRM models:*** 4 pilot watersheds/areas in Alazani-Iori & Rioni basins
- ***TA & Advisory services:*** national, regional, municipal levels
- ***Outreach:*** national, regional municipal levels



Black Sea

Basin of Rioni

Basin of Alazani

Basin of Iori



**USAID**  
FROM THE AMERICAN PEOPLE

Integrated Natural Resources  
Management in Watersheds  
of Georgia (INRMW) Program



Global  
Water for  
Sustainability  
PROGRAM

## RESULTS

### ● Rapid Assessment

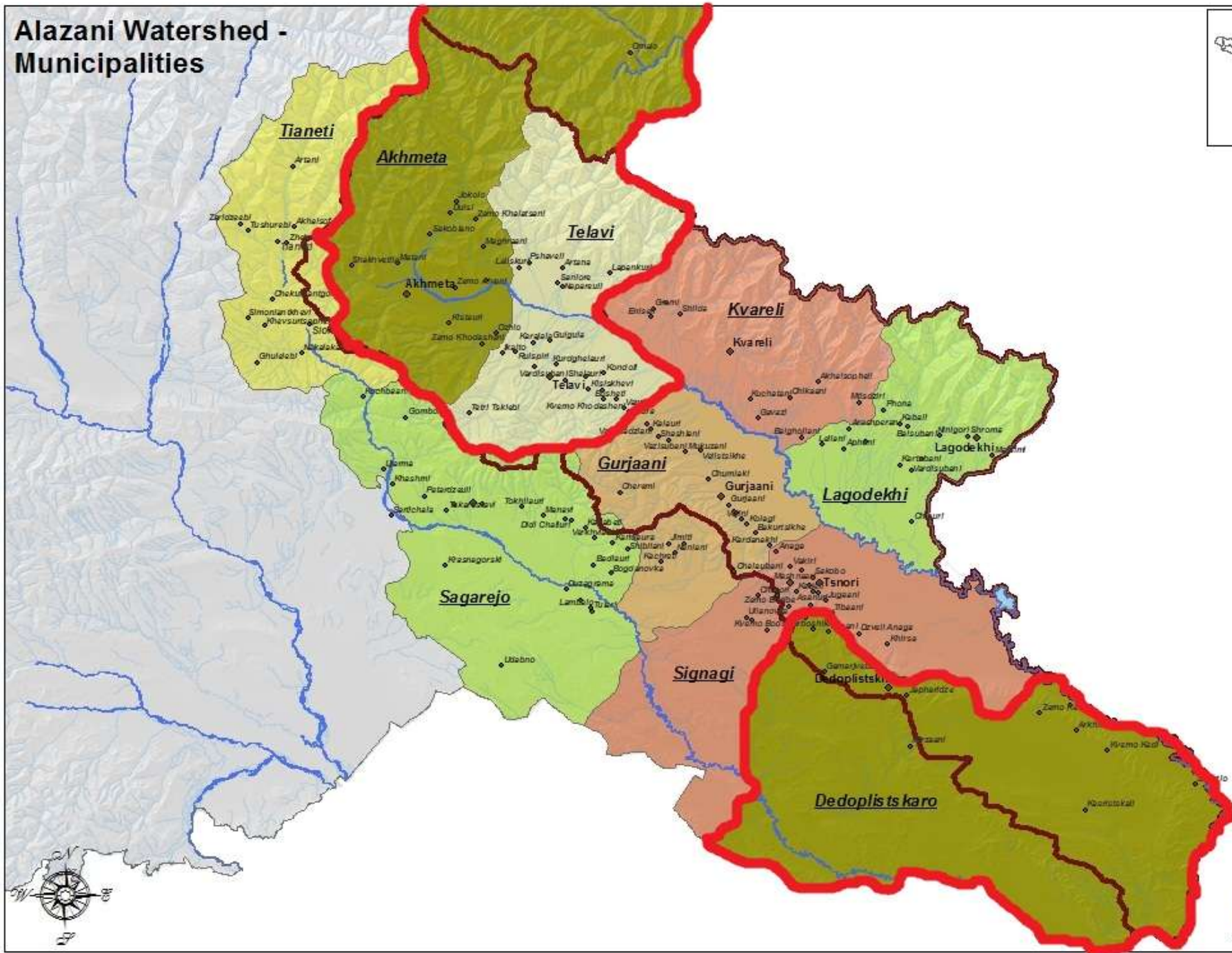
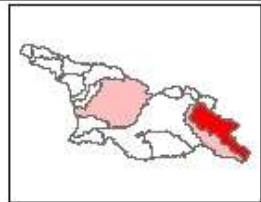
- National Assessment
- Rioni & Alazani-Iori Baseline Assessment

### ● Selection of Pilot Watersheds/Areas:

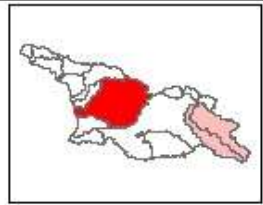
- Alazani upper and Alazani-Iori lower watershed areas
- Rioni upper and lower watershed areas



# Alazani Watershed - Municipalities



# Rioni Watershed - Municipalities





**USAID**  
FROM THE AMERICAN PEOPLE

Integrated Natural Resources  
Management in Watersheds  
of Georgia (INRMW) Program



Global  
Water for  
Sustainability  
PROGRAM

**Methodology:** Multi-criteria analysis, consortium partners & stakeholders consultation

**Watershed Selection Criteria:** Ecosystem functions and values

- Number of municipalities
- Geographic scale and location
- Number of communities
- Degree of infrastructure development
- Pressures on ecosystems
- Impacts on ecosystems
- Future trends
- Linkages between resource uses and watershed functions
- Socio-economic situation
- Potential for high catalytic effect



**USAID**  
FROM THE AMERICAN PEOPLE

Integrated Natural Resources  
Management in Watersheds  
of Georgia (INRMW) Program



Global  
Water for  
Sustainability  
PROGRAM

## RESULTS

- 31 communities selected, 16 in Alazani upper & 15 in Rioni upper watershed areas based on multi-criteria analysis
- Study of current situation by questionnaires
- Prioritization of environmental and natural resources management problems on community level



**USAID**  
FROM THE AMERICAN PEOPLE

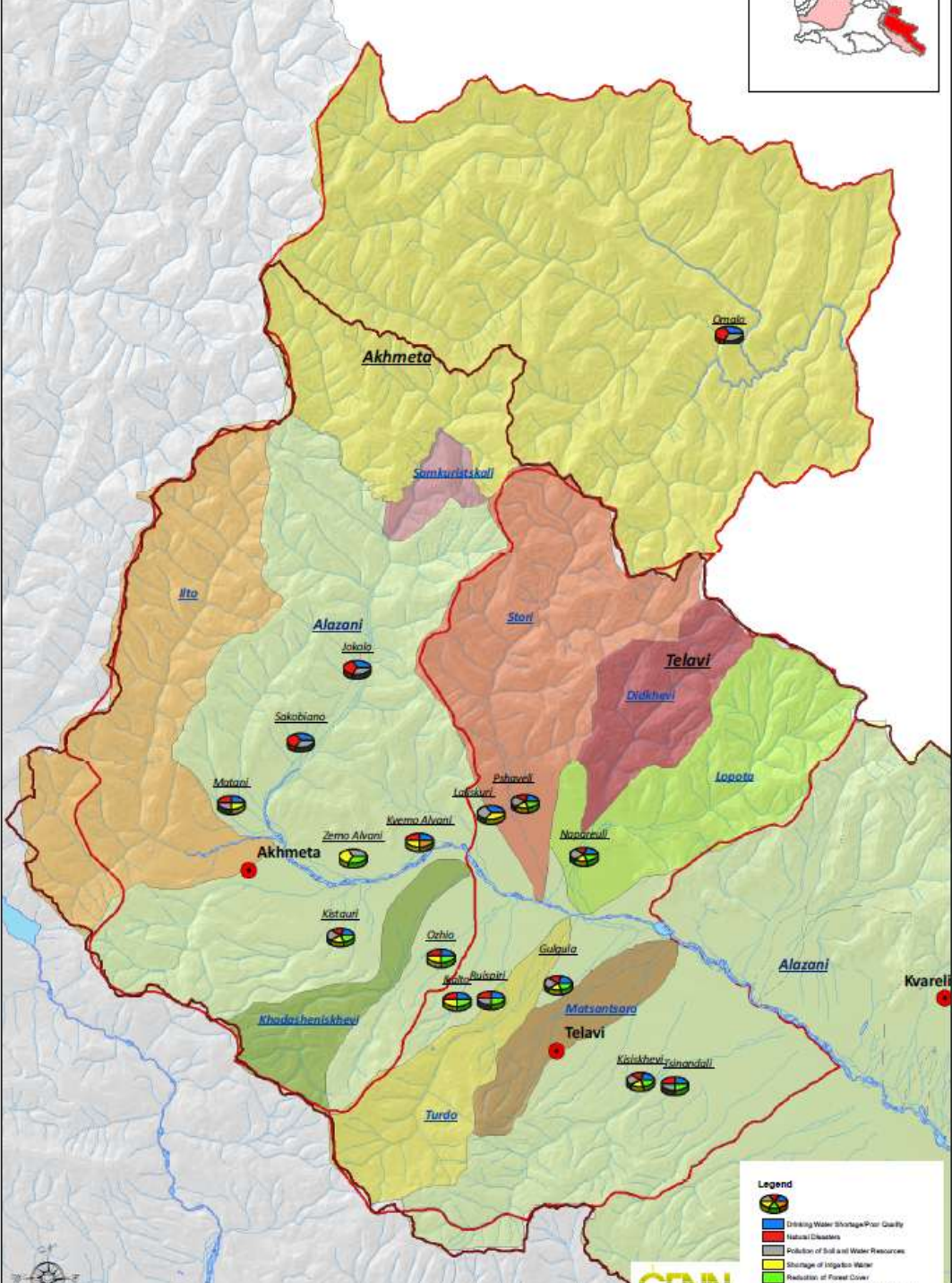
Integrated Natural Resources  
Management in Watersheds  
of Georgia (INRMW) Program



Global  
Water for  
Sustainability  
PROGRAM

## Community selection criteria:

- population size
- distance from major water bodies
- drinking water quality
- drinking water availability
- environmental pollution
- natural disasters' risk
- Impact on entire watershed
- intensive use of natural resources
- linkage with Protected Areas
- Level of community mobilization



**Legend**

- Drinking Water Storage/Poor Quality
- Natural Disasters
- Pollution of Soil and Water Resources
- Storage of Untreated Water
- Reduction of Forest Cover
- Pollution of Surface Water







**USAID**  
FROM THE AMERICAN PEOPLE

Integrated Natural Resources  
Management in Watersheds  
of Georgia (INRMW) Program



Global  
Water for  
Sustainability  
PROGRAM

## RESULTS

- schools selected in upper watershed areas
- 24 ecoclubs established in selected schools
- Ecoclub capacity building started
- awards (minilabs) granted to ecoclubs for the best proposals





**USAID**  
FROM THE AMERICAN PEOPLE

Integrated Natural Resources  
Management in Watersheds  
of Georgia (INRMW) Program



Global  
Water for  
Sustainability  
PROGRAM

## ONGOING ACTIVITIES

- Detailed watershed assessments
- Community empowerment –establishment & capacity building of CBOs in selected communities
- Selection of communities in lower watershed areas
- Establishment and capacity building of ecoclubs in upper watershed
- Establishment of ecoclubs in lower watersheds
- Integrated Natural Resource Management Planning in upper watershed areas
- Small grants (Quick start 5 projects on drinking water supply, irrigation and DRR
- TA and Public outreach



**USAID**  
FROM THE AMERICAN PEOPLE

Integrated Natural Resources  
Management in Watersheds  
of Georgia (INRMW) Program



Global  
Water for  
Sustainability  
PROGRAM

**Thank you !**