





From Glaciers to Farms (G2F) – Promoting a Regional Program in Central and West Asia (Central Asia, South Caucasus and Pakistan)





# From Glaciers to Farms (G2F) – Promoting a Regional Program in Central and West Asia



**Objective:** To enhance the resilience of communities, food systems and social infrastructure in Central and West Asia countries

Impact: Increased Climate-Resilience and Adaptive Capacity of Communities, Food Systems and Social Infrastructure in Central and West Asia

**Total Financing:** \$3.5Billion from ADB's own resources and co-financing, including GCF

Implementation Period: 2026-2032 (7 years)

# From Glaciers to Farms (G2F) - Components



Replication / Upscale through public finance instruments

- Climate Risk information & **Hydromet Data**
- Sectoral and Fiscal Planning

**Key Implementing Agency:** 

Ministry of 'Climate Change' & Ministry of Finance

#### **COMPONENT 1**

Resilience through Glacier Climate Monitoring, Hydrological Modeling, Early Warning Systems, and Investment Pipeline Development

#### **COMPONENT 2**

Climate-Resilient Investment Solutions Established for Agriculture, Water Security, and Vulnerable Communities in Glacier, **River Basins** 

- Pillar 1: Glacier and Watershed Management, Water Efficiency and Infrastructure for Climate-Resilient Agriculture
- Pillar 2: Sustainable Agriculture Value Chains and Food Security
- Pillar 3: Social Protection Measures for Vulnerable **Populations**

Successful models for upscale green business finance at the local level

- Technical Facility
- Green Banking Facility (Concessional Loans)
- Financial Innovation & Instruments

## **COMPONENT 3**

Mobilizing Climate Finance and Scalable Investments to Accelerate National & Regional Climate Resilience





# **Project Preparatory Facility: Glacier Risk Assessment**

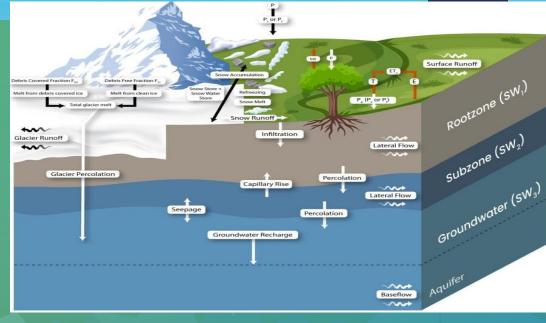


Objective: Assess the impacts of glacial melting in water availability and supply of 4 important watersheds in Central and West Asia

#### **Selection criteria of watersheds:**

- Role of glaciers in the river basins
- Relative importance of agriculture in the total water demand
- Transboundary aspects (2+x countries)
- Coverage over the project area

### Methodology:



## Result of the Study:

Informs the preparation of the G2F proposal: Identification of investment projects (including EWS and hydromet needs) for the 9 DMCs

Input: climate model projections

Glacio-hydrological modeling

Water supplydemand modeling Output: impacts on water supplies and crop yields

## **Glacier Risk Assessment**



**Output 1:** Inception Report

Output 2: High-level Baseline and Climate Risk Assessment (regional)

- Review of climate trends and projections and its impacts to glacial melting

Output 3: Detailed Baseline Risk Assessment (i.e., Naryn, Pyanj, Kura and Swat)

- Uses climate modelling to analyze climate risks and trends at the watershed level

**Output 4: Institutional Capacity Assessment** 

 Includes capacity assessment and research recommendations on tackling glacial melting, early warning system, and hydromet facilities and equipment

# **G2F Updates and Timelines**

