



**Accelerating the
Deployment of
Climate
Technologies in
Tajikistan**

**CAREC
Technology Forum
2026**

Presenter: Ozod Mirshamsov

Dushanbe 2026

Global Climate Challenge

- **Climate change is one of the major challenges of the 21st century**
- **Rising temperatures and extreme weather events**
 - **Central Asia is particularly vulnerable**



Climate Vulnerability of Tajikistan

- **Over 90% of the territory is mountainous**
- **Major glaciers of Central Asia**
- **The region's water resources build up in the mountains**



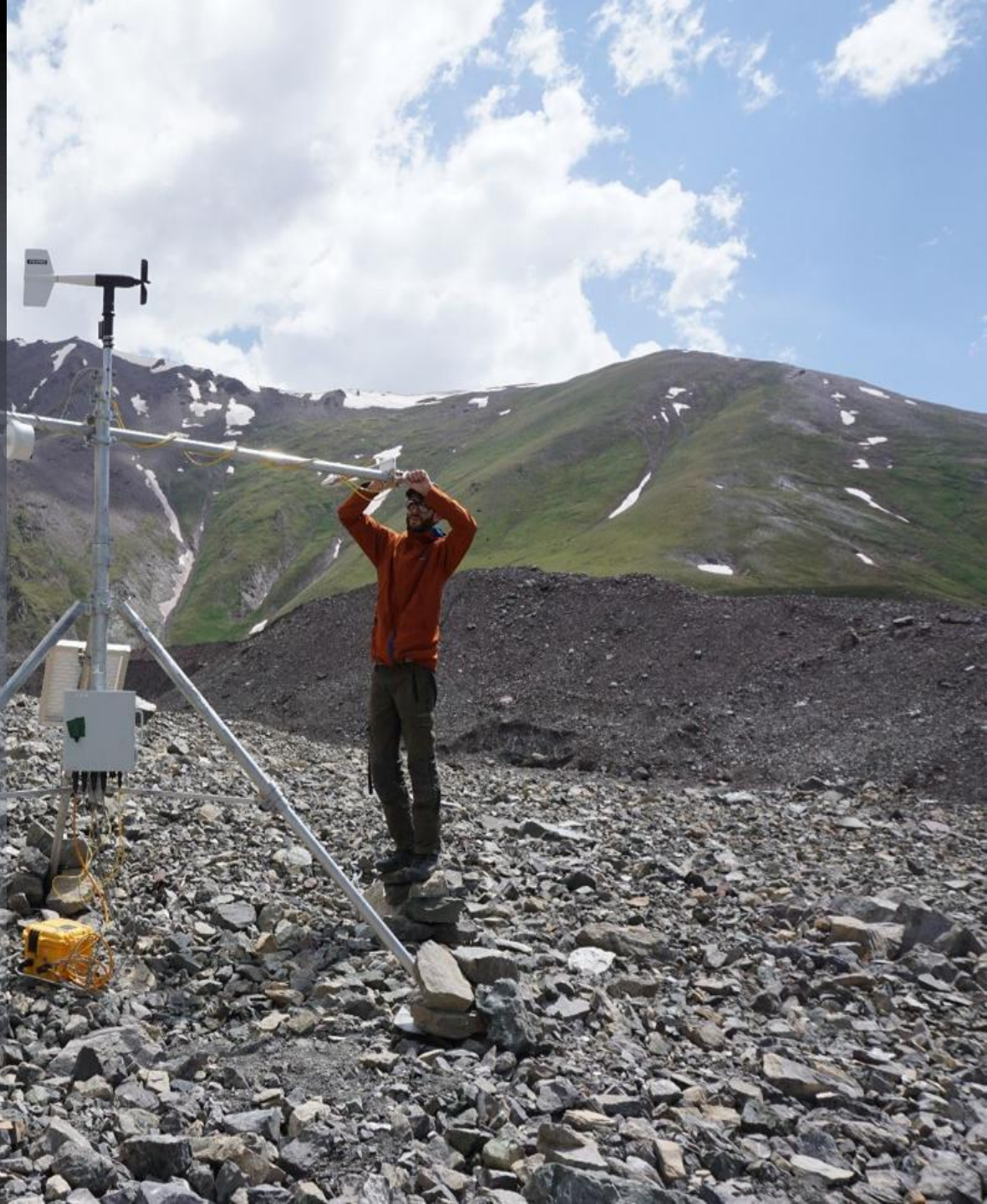
The Role of Climate Technologies

- **Enhancing forecast accuracy**
- **Reducing disaster risks**
- **Supporting agriculture and energy sector**



Modernization of the Hydrometeorological Network

- **Automated weather stations**
- **Real-time data**
- **Improved climate monitoring**



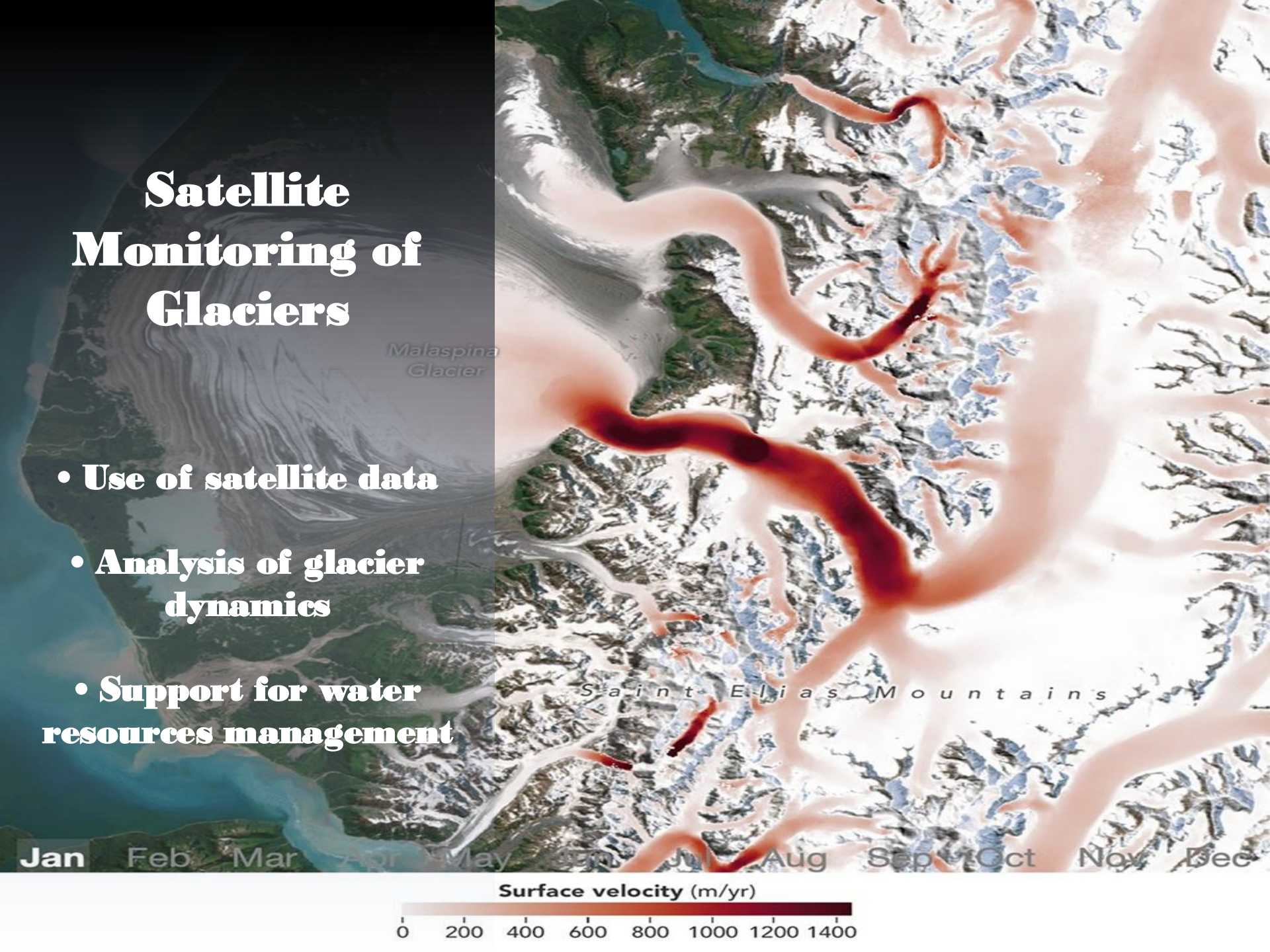
Early Warning Systems

- **Monitoring hazardous hydrometeorological events**
- **Digital forecasting platforms**
- **Reducing risks for the population**



Satellite Monitoring of Glaciers

- Use of satellite data
- Analysis of glacier dynamics
- Support for water resources management



International Cooperation

- Paris Agreement
- International Decade for Action "Water for Sustainable Development"
- Regional partnership



Water management for a successful Paris Agreement

Improved water management and outcomes are a key to unlocking the promise of the Paris Agreement.

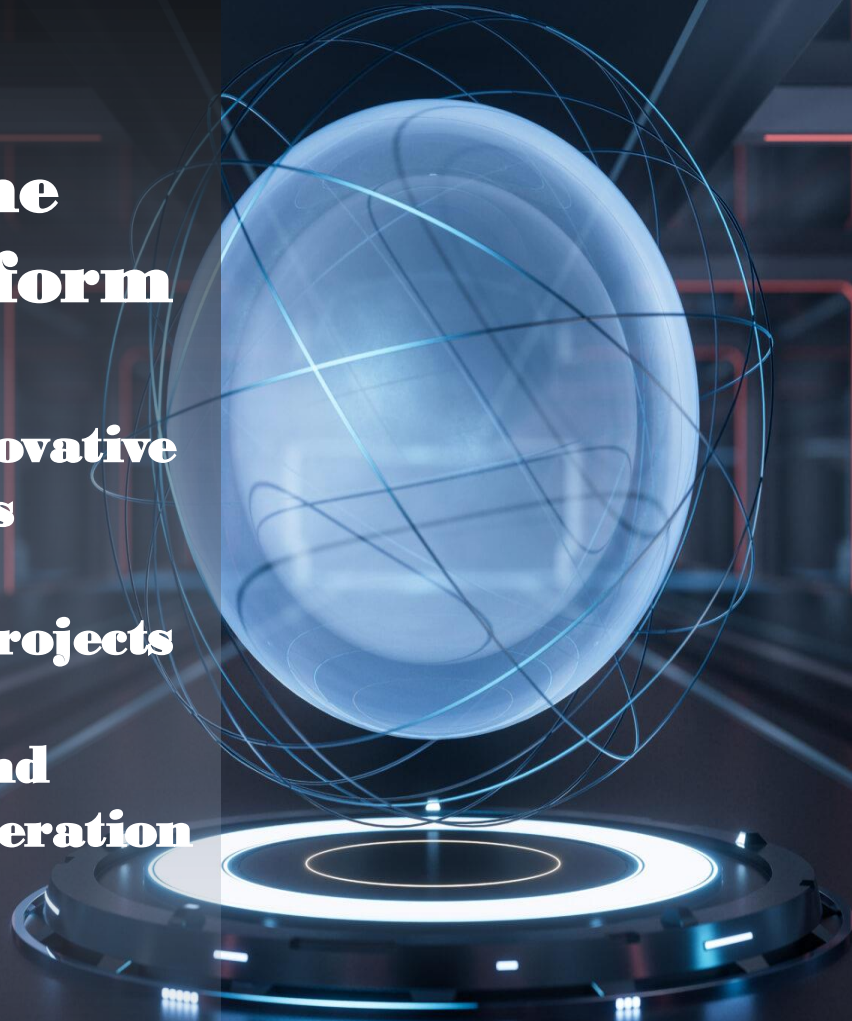
Water is a critical part of the climate solution.

If we look after water, then water will look after us!

United Nations UN-WATER COP29

Role of the CAREC Platform

- **Exchange of innovative technologies**
- **Joint regional projects**
- **Scientific and technological cooperation**



**Thank you
for your
attention!**

**The Republic of
Tajikistan is open
to cooperation in
the area of
climate
technologies**

