

**Towards Enhanced Coordination on  
Regional Water Security and Glacier Melt  
in South and Central Asia Workshop**

**December 5-8, 2011  
Almaty, Kazakhstan**

**Goals:**

1. Bring together USAID staff from the South and Central Asia (SCA) region to increase knowledge-sharing, communication and coordination on regional water security issues, especially those exacerbated by glacier melt.
2. Map USAID activities in sectors vulnerable to water security and glacier melt in the region, and identify areas of collaboration among USAID operating units in the field and with USAID/Washington activities.

**Objectives:**

1. Describe regional histories regarding the water-energy-development nexus and the emerging transboundary water conflict issues (either real or perceived);
2. Provide an overview of the science of climate change, glacier melt, and its projected impacts on water resources in the region;
3. Understand development sectors vulnerable to glacier melt including food security, health, governance, and environment. Identify drivers affecting water security in the region including population, water governance, and changing patterns of use and supply;
4. Facilitate information-sharing on existing/planned USAID and host country investments having potential implications for transboundary water and other vulnerabilities resulting from glacier melt;
5. Outline specific opportunities for Missions in the SCA region to build synergies across health, environment, economic growth, and agriculture operating units on water resources development and management, with sustainability, climate change adaptation (with a focus on glacier melt vulnerabilities), and conflict prevention in mind; and,
6. Identify discrete actions to inform USAID/Washington-funded activities on glacier melt scientific research and adaptation to changing water supplies.

**Outputs:**

A framework that identifies a range of possible programmatic and coordination actions to inform USAID funded activities on glacier melt, water security, and adaptation to changing hydrology in the region.

## **Pre-Workshop: December 5, 2011**

### **Optional Site Visit to Almaty Observatory**

Draft Itinerary as of 11/23/2011

- 8:30 Depart Rixos Hotel for Big Almaty Lake
- 9:30 Arrive at Big Almaty Lake Observatory, tour, chai/snacks (75 min).
- 10:30 Depart for Big Almaty Lake
- 10:45 Arrive Big Almaty Lake, discussion (45 min).
- 11:30 Depart Big Almaty Lake
- 12:00 Lunch at Dastarkhan Complex
- 13:45 Depart for Rixos
- 14:15 Discussion Session at Rixos about Glacial Melt
- Presentations by:  
Stenberg Observatory, rep TBD  
Kazakh Hydromet, rep TBD  
Dr. Lev Spivak, Kazakh Space Research Agency
- 16:00 Finish

## **Workshop Day 1: December 6, 2011**

### **Setting the Stage: Overview of Water Security and Glacier Melt Vulnerabilities**

- 8:30**      **Registration, coffee and tea**
- 9:00**      **Welcome**  
*Elisabeth Millard, Deputy Chief of Mission, U.S. Embassy Astana*
- 9:05**      **Opening Comments**  
*Erin McKee, USAID/CAR Mission Director*
- 9:15**      **Workshop Overview and Setting the Stage**  
*Mary Melnyk, USAID/Asia Bureau and Richard Volk/USAID EGAT Bureau; Mark Amaral, Lighthouse Consulting Group*
- 9:45**      **Historical and Current Transboundary Water Issues**  
Historical sketch (Soviet and Post-Soviet period) of transboundary water issues in the region in relation to the political and governance landscapes. This should include CAR and the other major river basins—the Indus, Ganges, and Brahmaputra.  
*Daene McKinney, University of Texas at Austin*
- 10:25**     **Discussion**
- 10:45**     **Coffee Break**
- 11:15**     **Changing Glaciers and Hydrology in Asia.**  
The science of climate change, glacier melt, and its projected impacts on water resources in the region. *Richard Armstrong, University of Colorado*
- 11:45**     **Discussion**
- 12:00**     **Lunch**
- 1:00**      **The Vulnerabilities Related to Glacier Melt and Changing Water Availability/Demand**  
The drivers of and vulnerabilities related to Changes in Water Supply including population, health, and environment. *Jim Schweithelm, Forest Mountain Consulting*
- 1:40**      **Discussion**

**2:00**      **Current Programming in Glacier Melt and Water Security**  
Panel discussion on glacier melt and water security activities of key organizations working in the region *Moderated by Andrei Barannik, USAID Kazakhstan*

- UNDP's Central Asian Climate Risk Management Program, *Yegor Volovik*
- UN Economic Commission for Europe, *Bo Libert, Regional Advisor on Environment*
- IFAS, *Sagit Ibatullin, Chairman*
- World Bank, *Simon Croxton, Senior*
- GiZ, *Volker Frobarth, Transboundary Water Management Programme Director*

**3:30 - 3:45 Short Break**

- Office International De L'eau, *Manon Cassara, International Cooperation Office*
- Swiss Development Corporation, *Laurent Guye, Director*
- Institute of Geography, *Igor Severskiy, Professor, Head of Glaciology Dept*
- Central Asia Regional Environmental Center, *Talaibek Makeyev, Executive Director*

**5:00**      **Summarizing key points and follow-up**  
*Mary Melnyk and Mark Amaral*

**5:30**      **Reception for all attendees**