AGENDA

Central Asia Climate Knowledge Forum: Moving Towards Regional Climate Resilience (May 13-15, 2014 – Almaty, Kazakhstan)

Background:

A changing climate poses an undisputable challenge to developing economies in Central Asia. The next few decades, however, offer a window of opportunity for these countries to integrate climate change into core development planning – demonstrating a positive way forward through inclusive, greener and climate-resilient solutions. The inaugural *Central Asia Climate Knowledge Forum*, held last June in Almaty, Kazakhstan, showcased national responses to climate change that are being prepared in each Central Asian country (Kazakhstan, Kyrgyz Republic, Tajikistan, Turkmenistan, and Uzbekistan). It also highlighted that bilateral and multilateral partners are active in the region, and the event concluded on a demand for greater collaboration for effective and scaled-up action on climate risks since they extend across borders. Feedback received from the inaugural Forum overwhelmingly confirmed the demand to continue knowledge sharing between countries and across ministries with priorities on fostering regional cooperation on climate-related issues, on better understanding the economics of climate action, and on strengthening cross-sectoral dialogue and action on the ground.

Forum Objectives:

The 2nd Central Asia Climate Knowledge Forum: Moving Towards Regional Climate Resilience will continue to promote knowledge and experience sharing among stakeholders on cooperative solutions for resilience at national and regional levels. The Forum will span across three days with the first two days consisting of technical discussions combining regional and international experiences in climate-smart development, integrated water resource management, and disaster-risk management. The Forum's third day will consist of a high-level discussion on a proposed Regional Climate Resilience Program for Central Asia. The Program would mainstream climate-smart policies, programs, and actions at the sectoral and cross-sectoral level to ensure effective resilience to the impacts of climate change at both national and regional levels. Such multi-year program, to be designed in partnership with Central Asian countries and development partners, would help improve the effectiveness of the response in each country by maximizing synergies across sectors and countries. It would focus on strengthening institutions for cross-sectoral investment preparation and implementation. Specific investments, while confirming to the overall strategy and goals, may be prepared and financed independently. The concept for such a program is being prepared by a Technical Working Group (TWG), consisting of cross-sectoral specialists, nominated by governments from all the countries in the region. This concept will be discussed among TWG and other Central Asia national stakeholders during a 'Pre-Forum' day and amongst the development partners during the Forum. A 'Post-Forum' day focusing on technical training will be provided for interested participants.

Specifically, the Forum aims to:

- Raise awareness on the science of climate change and implications for climate-smart planning and disaster-risk management;
- Foster knowledge and share experience within the region and with other parts of the world;
- Review and develop the concept for a proposed Climate Resilience Program being prepared by the TWG; and,
- Convene learning sessions and offer practical training on how to formulate and effectively prepare and implement
 a regional program for climate resilience.

Target Audience:

- Central Asia national government representatives, policy makers and practitioners in key cross-sectoral and line ministries, the TWG, and regional organizations;
- National and regional universities and research centers;
- Civil society organizations and media representatives; and,
- Development partners' representatives and International experts.

Expected Outcomes:

- Improved knowledge and understanding of climate risks and possible options for climate-smart action at both national and regional scales; and,
- Principles and Concept for a Climate Resilience Program further developed, incorporating the feedback from Central Asian countries as well as development partners.

	Central Asia Climate Knowledge Forum: Moving Towards Regional Climate Resilience Venue: Rixos Hotel, Almaty (Kazakhstan)					
Monday May 12, 2014	Tuesday May 13, 2014	Wednesday May 14, 2014	Thursday May 15, 2014		Friday May 16, 2014	
	TECHNICAL DISCUSSIONS		HIGH LEVEL DISCUSSION			
Pre Forum Meetings	Scientific Evidence and International Experience	Sectoral Approaches and Economic Considerations	National and Regional Climate Resilience Program Design for Central Asia			
	Session 1	Session 5	Session 9			
	Opening Session	Civil Society Participation for Climate Resilience	Proposed National and Regional Program: Break-out Groups Discussion			
	Session 2	Session 6	Session 10			
	Actions for Low-Carbon Climate- Resilient Economy	Challenges and Opportunities in Disaster-risk Management	10A Informing National Policy Makers on the Program Design	10B Development Partner Roundtable on Financing Options	10C Tools and Techniques for Networking and Collaboration	Post Forum Meetings
	Session 3	Session 7	Session 11			
	Climate Actions: International Experiences and Costs of Inaction	Cool Data for a Warming World: Climate-Smart Planning in Water, Environment and Agriculture (Part 1)	Roundtable: Proposed way forward on National and Regional Program Principles and Design			
	Session 4	Session 8	Session 12			
	Engaging Private Sector and Local Institutions in Climate-Resilient Development	Cool Data for a Warming World: Climate-Smart Planning in Water, Environment and Agriculture (Part 2)	Forum Summary and Closing Ceremony			
	Wrap-up of Day 1	Wrap-up of the Day 2	Wrap-up of Day 3 Cocktail Reception			

Pre-Forum Day (May 12, 2014): Central Asian Countries' Discussions on the Regional Program for **Climate Resilience**

Pre-Forum Meetings

8:30-10:00

Opening Remarks and Setting the stage

- Welcoming of participants and introduction of the pre-Forum day agenda Laurent Debroux, Sector Leader, ECSSD, World Bank
- How did we get here and where do we go? Overview of the Regional Concept for Climate Change Resilience Process – Farzona Mukhitdinova, Operations Analyst, World Bank

Team Building Exercise: Un-predicting the future – group game. Competition among the teams on the "least affected country", "least affected region"

10:00-10:30

Coffee Break

10:30-12:30

Building Climate Resilience: A Case for Regional Collaboration

The Central Asian countries will face a collective set of climate impacts that extend across national borders. As a result, without a concerted regional approach, national actions themselves would not allow countries to be fully resilient to the impacts of climate change. This session will present outcomes of the National consultations held on the Regional Concept for Climate Change Resilience with TWG support in all five countries and will discuss commonalities between all the countries and possible regional actions to build resilience through tangible regional collaboration.

Moderator: Alexander Merkushkin and Svetlana Dolgikh (Representing the TWG)

TWG presentations on the results of National consultations in the countries

Open discussion:

- Exploring opportunities on how to include identified national priorities and regional commonalities in the program
- Identifying common themes in the discussion of regional priorities
- Discussing prioritization criteria for climate actions
- Identifying mechanisms for future networking and collaboration

12:30-13:30

Lunch

13:30-15:00

Multidisciplinary Collaboration for Climate Resilience

Responding to the climate change challenges entails a need to improve and consolidate climate, disaster risk and water resource management systems by identifying and implementing "no regrets" sectoral strategies that enhance resilience while generating development benefits. This session will discuss the multidisciplinary linkages in the context of a changing climate, in particular the role of energy and disaster risk management in building resilient future.

Moderator: Katherine Himes, AAAS Science & Technology Fellow, Environment Officer & Science Adviser, USAID, and Undala Alam, Water Resources and Climate Adviser, DFID

Speakers:

- Disaster Risk Management for Climate Resilience Joaquin Toro, Disaster Risk Management Regional Coordinator, ECSUW, World Bank
- Energy Sector Vulnerabilities to Climate Change Daryl Fields, Sr. Water Resource Specialist, ECSAR, World Bank
- Central Asia Climate Risk Management Program (CA-CRM) Michael Thurman, Practice Coordinator, UNDP and Yegor Volovik, Regional Programme Coordinator, UNDP
- Developing key messages for Turn Down the Heat in Central Asia Philippe Ambrosi, Sr. Environmental Economist, ECSEN, World Bank

15:00-15:30 *Coffee Break*

15:30-17:30

Round Table on Building Regional Climate Resilience Program

Moderator: Erick Fernandes, Adviser, World Bank

Open discussion / Round table:

This session will provide an opportunity for participants to discuss ways to combine visions and comments of all the 5 TWG and reflect them, to the extent possible, in a Concept Note. Participants will also need to agree on a process of prioritizing climate smart actions common regional elements in the program and discuss format and structure of the presentation on Thursday morning.

17:30-18:00

Pre-Forum Day Wrap-Up

- Technical Working Group Representative from each country
- Laurent Debroux, Sector Leader, ECSSD, World Bank

19:00-21:00

Evening Cocktail Reception

Forum Day 1 (Tuesday May 13, 2014): Scientific Evidence and International Experience

Forum Facilitators:

- Xiaolan Wang, Sr. Operations Officer, ECSUW, World Bank
- Daryl Fields, Sr. Water and Energy Specialist, ECSAR, World Bank
- Jitendra Shah, ECA Climate Change Adviser, ECSEN, World Bank

9:00-10:30

Session 1 - Opening Session

Moderator: Kulsum Ahmed, Sector Manager, ECSEN, World Bank

Speakers:

- Welcome Address Laszlo Lovei, Sector Director, ECSSD, World Bank
- Opening Remarks Country and Regional Representatives
- Opening Speech Central Asia and Climate Change: Collaboration for Local Solutions Prof. Dr. Jürgen P. Kropp, Deputy Chair, Potsdam Institute for Climate Impact Research (PIK)

10:30-11:00 11:00-12:30

Coffee Break

Session 2 – Actions for Low-Carbon Climate-Resilient Economy

Climate change is considered to be one of the biggest threats to sustainable economic development. As we are on a path to a 4°C warmer world by the end of this century under the current global commitments, many countries are already embarking on innovative and progressive climate actions to mitigate and adapt to the effects of climate change. The session will demonstrate how Central Asian countries could lead in these efforts, by showcasing the existing national initiatives and outlining the potential way forward. The session will also discuss the ways of mobilizing climate finance for green and inclusive growth and low-carbon climate-resilient development.

Moderator: Alia Baidebekova, Project Manager, European Commission

Speakers:

- Historical Risk Data in Central Asia Muratbek Koshoev, Natural Disaster Response Advisor, UNOCHA
- Putting Science to Work: Climate-Smart Actions for Central Asia James E. Neumann, Principal, Industrial Economics, Incorporated (IEc)
- Mobilizing Climate Finance for a Low-Carbon, Resilient Future Neeraj Prasad, Acting Director, Climate Change Group, World Bank
- Showcasing Progressive Climate Action: Kazakhstan's Emission Trading Scheme Gulmira Sergazina, Director, Climate Change Department, Ministry of Environment, Kazakhstan

12:30-13:30

Lunch

13:30-15:00

Session 3 - Climate Actions: International Experiences and Costs of Inaction

In order to mainstream climate-smart policies and actions at cross-sectoral level and ensure resilience to the impacts of climate change, countries around the world are undertaking innovative initiatives. This session will discuss latest science along with regional and international experiences when incorporating disaster risk reduction and climate change adaptation and mitigation policies and programs into sustainable development planning and implementation.

Moderator: Philipp Reichmuth, Program Manager, GIZ

Speakers:

- Pilot Program for Climate Resilience Showcase Kanta Rigaud, Lead Environmental Specialist, CCGPT, World Bank
- ADB's Climate Change Initiatives Akmal Siddiq, Director, Environment, Natural Resources and Agriculture Division, Asian Development Bank
- Adaptation under UNFCCC: Catalyzing National Responses Olga Pilifosova, Manager, Adaptation Programme, UNFCCC Secretariat
- Analytical tools to identify priority actions for climate-resilient communities Kenta Usui, Policy Researcher, Institute for Global Environmental Strategies (IGES)

15:00-15:30 15:30-17:00

Coffee Break

Session 4 - Engaging Private Sector and Local Institutions in Climate-Resilient Development

In order to promote climate resilience in Central Asia, action is also needed to engage actors outside central government, such as municipalities and local authorities; utilities, industry and SMEs; and households. This session will discuss experience in reaching out to private sector and local institutions and engaging them on climate resilience, through understanding the market for climate-resilient interventions, improving enabling environments, and developing special-purpose financing instruments for resilience.

Moderator: Moazzam Mekan, Manager, CEUKZ, IFC

Speakers:

- Making a business case for private sector on climate action Craig Davies, Sr. Manager,
 Climate Change, European Bank for Reconstruction and Development (EBRD)
- Water service provision Anarbek Orman, General Director, Shymkent Water Company
- Unlocking finance for engaging local and private sector Janna Fortmann, Project Manager and Nurzat Abdyrasulova, National Manager, Kyrgyzstan Sustainable Energy Finance Framework (KyrSEFF)

17:00-17:30

Wrap-up of Day 1

- Iskander Buranov, Energy Specialist, World Bank
- Nagaraja Rao Harshadeep, Sr. Environmental Specialist, The World Bank

Day 2 (May 14, 2014): Sectoral Approaches and Economic Considerations

9:00-10:30

Session 5 - Civil Society Participation for Climate Resilience

Climate change impacts disproportionately affect the lives of poor and vulnerable people. In situations where people have no or poor access to climate forecast information and where decentralization processes have insufficient autonomy or capabilities, empowerment of civil society groups and community-based organizations through direct and effective participation is key to establishing citizen and government monitoring systems that will permit better adaptation to climate change risks. This session will consist of a panel discussion where civil society representatives from Central Asia will discuss their practical experiences in working with the state and citizens in climate change adaptation.

Moderator: Ilia Domashov, Deputy Chairman, Ecological Movement "BIOM"

Speakers:

- Community approach on managing climate risks in Tajikistan Yuriy Skochilov, Youth Ecological Center, Tajikistan
- Moving green small business towards sustainable climate solutions Yusup Kamalov, Union for Defense of the Aral Sea and Amu Darya, Uzbekistan
- Achievements and experiences in developing climate change legislation in Kyrgyzstan Nurzat Abdyrasulova, Climate Network of Kyrgyzstan
- Shift to low carbon development Svetlana Mogilyuk, EcoForum Network, Kazakhstan

10:30-11:00 11:00-12:30

Coffee Break

Session 6 - Challenges and Opportunities in DRM

Improvements in resilience can be better attained when hydromet information is effectively utilized in disaster risk management policies, plans and interventions. This session will provide general guidance on how hydromet services can inform climate resilience and DRM interventions as well as country specific initiatives which link these themes. This session will also address how a World Bankfunded DRM project facilitated resilience building and multi-sectoral coordination.

Moderators: Svetlana Shivareva, Executive Director, Regional Center of Hydrology and Xiaolan Wang, Sr. Operations Officer, ECSUW, World Bank

Speakers:

- Linkages between hydromet, climate change and DRM Maryam Golnaraghi, Chief, Disaster Risk Reduction Programme, WMO
- Approaches for flood management Yoichi Iwami, Chief Researcher on Hydrology and Hydraulics, Global Centre of Excellence for Water Hazard and Risk Management (ICHARM)
- World Bank engagement in DRM in the Kyrgyz Republic Talaibek Temiraliev, State Secretary, Ministry of Emergency Situation, Kyrgyz Republic
- Building readiness for resilience and multi-sectoral coordination in DRM projects Fikret Azili, Deputy Director, Istanbul Governorship Istanbul Project Coordination Unit

12:30-13:30

Lunch Break

13:30-15:00

Session 7 - Cool Data for a Warming World: Climate Smart Planning in Water, Environment and Agriculture (Part 1)

Managing and coping with climate change necessitates a new era of modernization in Central Asia – on data and analytical tools for accurate regional forecasting and early warning of climate and weather patterns and extreme events, while sharing and managing the risks within robust national planning and regional information systems, are necessary for climate smart regional development to mainstream water security and climate resilient development. Appropriate analytical tools and data are needed for cross-sectoral climate smart planning to ensure resilience to the impacts of climate change. This session will showcase global and regional approaches to top–down big data and

associated analytics, and in-field bottom-up experiences that underpin integrated water and land resources for climate smart planning and management.

Introduction: Daryl Fields, CAEWDP Program Manager, Sr. Water and Energy Specialist, World Bank

 Overview of the innovative analytical approaches to integrated water and land resources for climate smart planning and management

Moderator: Dinara Ziganshina, Deputy Director, SIC ICWC

Speakers:

- Application of Earth System Sciences Analytical Tools International examples,
 demonstration in Central Asia through AralDIF Erick Fernandes, Adviser, The World Bank
- Innovative Data Access and Visualization for Central Asia Nagaraja Rao Harshadeep, Sr. Environmental Specialist, The World Bank
- Innovative Approach to Basin-wide Evapotranspiration Monitoring and Evapotranspiration
 Management Chinese Experience WU Bingfang, Head of Digital Agriculture, Institute of
 Remote Sensing and Digital Earth Chinese Academy of Sciences, Beijing China
- Promoting Cooperation to Adapt to Climate Change in the Chu and Talas Transboundary
 Basins Shamil Illiasov, Deputy Director on Science and Technology, Climate Change Center,
 Bishkek, Kyrgyz Republic
- Application of the Landscape Approach: Managing forests and farms together in a broader landscape, to achieve a climate-smart 'triple-win' – Malcolm Childress, Sr. Land Administration Specialist, World Bank and Nicole Wegner, Climate Change Coordinator, GIZ Regional Program on Sustainable Use of Natural Resources in Central Asia

15:00-15:30

Coffee Break

15:30-17:00

Session 8 - Cool Data for a Warming World: Climate Smart Planning in Water, Environment and Agriculture (Part 2)

Moderator: Daryl Fields, CAEWDP Program Manager, Sr. Water and Energy Specialist, World Bank

Speakers:

- Opportunities in climate smart agriculture: Operationalizing adaptation strategies for food security Dina Umali-Deininger, Sector Manager, ECSAR, World Bank
- Modeling climate change impacts and adaptation measures on farm income security in Central Asia – Aden Aw-Hassan, Director of Social Economic and Research program (ICARDA/CGIAR)
- No Till: A climate Smart Agriculture Solution for Kazakhstan Murat Karabayev, Scientist, International Maize and Wheat Improvement Center

Panel Discussion

Moderator: Erick Fernandes, Adviser, LCSAR, World Bank

Discussants: Dinara Ziganshina, Deputy Director, SIC ICWC (TBC); Andrei V. Tolstopiatenko, Sr. Information Officer, WBIKE; Vitali Salinikov, Dean of Geography and Environmental Science, KAZ National University; Sandra Broka, Sr. Rural Finance Specialist, World Bank.

17:00-17:30

Wrap-up of Day 2

- Takuya Kamata, Country Manager for Uzbekistan, World Bank
- Joaquin Toro, Senior Disaster-Risk Management Specialist, World Bank

9:00-10:30

Session 9 - Proposed Regional Climate Resilience Program

Based on the inputs from the Technical Working Group and pre-Forum meetings, this session will present an outline of the proposed Regional Climate Resilience Program for Central Asia. The presentations will be followed by the break-out group discussions which will provide an opportunity for the Central Asian countries' representatives and others to further discuss a potential program.

Moderator: Sascha Djumena, Country Program Coordinator, Central Asia, World Bank **Speakers:**

- Overview of the Proposed Regional Climate Resilience Program Representatives from Technical Working Group and World Bank
- Plenary discussion

10:30-11:00 11:00-12:30

Coffee Break

Session 10A-Informing National Policy Makers

This session is for five country delegations to inform their policy-makers on the Forum days' discussions, draft concept note for a potential regional climate resilience program. The session will also set the stage for a high level dialogue on moving from national to regional climate resilience to follow.

Participants: Five country delegations and members of the technical working group only

Session 10B - Development **Partner Roundtable on Financing Options**

This session will bring together bilateral and multilateral development partners to discuss the priorities and modalities of scaled-up climate finance in Central Asia. The focus and modalities for the proposed multi-year program, designed in partnership will be discussed.

Moderator: Daryl Fields, Sr. Water and Energy Specialist, ECSAR, World Bank **Discussants:** Development

Partners

Session 10C - Tools and **Techniques for Networking and** Collaboration

This session will discuss innovative national and regional networking mechanisms and collaborative platforms which can facilitate coordination among practitioners and optimal sharing of good practices and solutions.

Moderator: Andrei Tolstopiatenko, Sr. Information

Officer, World Bank **Discussants:** Tatyana Leonova

Regional Coordinator, WBIMO,

World Bank

12:30-13:30

13:30-15:30

Lunch Break

Session 11 - Roundtable: Way forward on National and Regional Program Principles and Design

This session will bring together the high level representatives from the Central Asian countries and development partners organizations to discuss the ways forward for a potential regional climate resilience program.

Moderators: Saroj Kumar Jha, Regional Director for Central Asia, World Bank and Laszlo Lovei, Sector Director, ECSSD, World Bank

Speakers:

- · Remarks by Central Asia Countries' Ministers and dignitaries
- Remarks by representatives of development partners

Session 12: Forum Summary and Closing Ceremony

15:30-16:00 16:00-17:00

Coffee Break

Training and Dialogue: Technical Tools and Moving Forward with Regional Climate Resilience Program

9:00-10:30

Central Asia Water Resources in a Changing Climate: An Analytical Framework

Overview: Climate concerns in the Central Asia Region and making decisions under uncertainty

Data: Innovative approaches to accessing and visualizing relevant data for water resources planning and management in a changing climate (including mobile applications (Apps))

Modeling Tools: Global examples of analytical applications of relevance to the region (especially for climate-related water resources assessments)

Presenters/Trainers:

- Erick Fernandes, Adviser, World Bank
- N. Harshadeep, Senior Environmental Specialist, World Bank

10:30-11:00

Coffee Break

11:00-12:30

Central Asia Water Resources in a Changing Climate: A Collaborative Framework - Moving Ahead Together

Knowledge Networks: Innovative Networking mechanisms (e.g. collaborative platforms, and leadership training)

CAEWDP Roadmap: Outlining a vision of possible work on data, models, and collaboration in the region and interactive participant feedback

Integrating Climate Change into Land Use Management: Tools for Assessment and Action Planning for Climate Change Adaptation

Presenters/Trainers:

- Andrei Tolstopiatenko, Sr. Information Officer, World Bank
- Daryl Fields, Sr. Water and Energy Specialist, World Bank
- Malcolm Childress, Sr. Land Administration Specialist, World Bank
- Nicole Wegner, Climate Change Coordinator, GIZ Regional Program in Central Asia

12:30-13:30

Lunch Break

13:30-15:00

Regional Climate Resilience Program for Central Asia: Key Take-Aways and Way Forward

Following the Forum days, Technical Working Group and other interested stakeholders will discuss the main take-aways for the proposed Regional Climate Resilience Program for Central Asia. The Group will also discuss and agree on the next steps that would lead to the development of the program.

Moderator: Jitendra Shah, ECA Climate Change Adviser, ECSEN, World Bank