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# CLIMATE CHANGE RESILIENT DEVELOPMENT

## QUARTERLY IMPLEMENTATION REPORT

OCTOBER 2012 – DECEMBER 2012

**January 18, 2013**

This report was produced for review by the United States Agency for International Development (USAID). It was prepared by International Resources Group (IRG).



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### **DISCLAIMER**

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# ACRONYMS

AGU	American Geophysical Union
ALM	Adaptation Learning Mechanism (website)
AMEs	Associations des Mères-Elèves
AP	Adaptation Partnership
APEs	Associations des Parents-Elèves
CCAFS	CGIAR Research Program on Climate Change, Agriculture and Food Security
CCRD	Climate Change Resilient Development Task Order
CEQ	Council on Environmental Quality
CIMPACT-DST™	Climate Impacts Decision Support Tool
COMESA	Common Market for Eastern and Southern Africa
CoP	Community of Practice
CRISP	Climate resilient infrastructure services program
CSP	Climate Services Partnership
DCHA	Bureau for Democracy, Conflict and Humanitarian Assistance
DL	Data Library
E3	Bureau for Economic Growth, Education and the Environment
EGU	European Geosciences Union
ELI	Environmental Law Institute
EGAT	Bureau for Economic Growth, Agriculture and Trade (USAID)
E.O.	Executive Order
FCMC	Forest Carbon, Markets, and Communities Task Order
FY	Fiscal Year
GCC	Global Climate Change
GFCS	Global Framework for Climate Services
GLOF	Glacial Lake Outburst Flood
GM	Grants Manager
GPR	Ground penetrating radar studies
GUC	Grants Under Contract

HMGWP	High Mountain Glacial Watershed Program
HQ	Headquarters
ICCS2	(Second) International Conference on Climate Services
ICF	ICF Incorporated, LLC
ICIMOD	International Centre for Integrated Mountain Development
ICT	Information and Communication Technology
IQC	Indefinite Quantities Contract
IRG/Engility	International Resources Group/Engility
IRI	International Research Institute for Climate and Society
ISET	Institute for Social and Environmental Transition
IUCN	International Union for Conservation of Nature
IQC	Indefinite Quantities Contract
KACC	Khumbu Alpine Conservation Council
KM	Knowledge management
M&E	Monitoring and evaluation
NAP	National Adaptation Plan
NEPAD	The New Partnership for Africa's Development
NGO	Non-governmental organization
PMP	Performance Management Plan
RFA	Request for Applications
SAC	Senior Advisory Committee
SIWW	Singapore International Water Week
SOW	scope of work
SS	South-South
TMA	Tanzania Meteorology Agency
TMI	The Mountain Institute
UNDP	United Nations Development Programme
UNFCCC	United Nations Framework Convention on Climate Change
USAID	United States Agency for International Development
USG	U.S. Government
UT	University of Texas at Austin

V&A	Vulnerability and Adaptation
WASH	Water, sanitation and hygiene
Water II IQC	Integrated Water and Coastal Resources Management Indefinite Quantities Contract
WG	Working Group
WMO	World Meteorological Organization



# A. INTRODUCTION

This report summarizes the activities undertaken by the consortium led by International Resources Group (IRG/Engility) during the quarterly reporting period of October 2012 – December 2012 under the Integrated Water and Coastal Resources Management Indefinite Quantities Contract (Water II IQC) Climate Change Resilient Development (CCRD) Task Order. The report covers project management and implementation activities undertaken and/or completed during the reporting period. The CCRD quarterly Performance Management Plan (PMP) report, current CCRD organizational chart, and quarterly financial report are provided as Annexes. The remaining sections are divided into four sections: 1) Project Management; 2) Objective 1 activities; 3) Objective 2 activities; and 4) Objective 3 activities.

The report includes updates on activities and tasks described in the CCRD Year Two Work Plan:

## ***Project Management, Planning, and Evaluation:***

Task PM-1 Develop Year Two Work Plan

Task PM-2 Update and Implement Performance Management Plan (PMP)

Task PM-4 Conduct Advisory Committee Meetings

Task PM-6 Develop & Disseminate CCRD Knowledge Management (KM) Products

Task PM-7 Implement Grants Under Contract Program

## ***Objective 1: Support for USAID Missions and Bureaus***

Task 1.1.1 Revise Vulnerability and Adaptation Manual

Task 1.1.2 Develop Climate Briefs and Annexes

Task 1.1.3 Develop Lessons Learned on Mainstreaming Climate Adaptation

Task 1.1.4 Prepare Case Studies to Demonstrate the Mainstreaming Guidance

Task 1.1.5 New Directions in Pilots and Research

Task 1.2.3 Support the United Nations Development Programme (UNDP) Adaptation Learning Mechanism Website

Task 1.3.1 Provide Capacity Building Support on Mainstreaming V&A

Task 1.3.3 Support Development of USAID's Federal Agency Climate Change Adaptation Plan

Task 1.3.4 Provide support for USAID Integration Pilot in Kazakhstan

Task 1.4.1 Design a Health Program for Inclusion in the climate services program

## ***Objective 2: Coordinate with Other U.S. Government (USG) Agencies to Support Mainstreaming***

Task 2.1.1 Conduct Adaptation Partnership Workshops

Task 2.2.1 Facilitate Adaptation Partnership Communities of Practice (CoPs)

Task 2.2.2 Develop Adaptation Partnership Materials

## ***Objective 3: Identify and Respond to Emerging Issues and Fill Gaps***

Task 3.1.1 Support Preparation of National Adaptation Plans (NAPs)

Task 3.1.2 Develop and Pilot Fast Track Implementation Concept

Task 3.2.2 Develop the High Mountain Glacial Watershed Program (HMGWP)'s CoP

Task 3.2.3 Design and Conduct the Climber-Scientist Competitive Solicitation

Task 3.2.4 Implement CoP Pilot Projects and Research

Task 3.3.2 Coordinate Activities of the Climate Services Partnership

Task 3.3.3 Compile and Disseminate Current Climate Services Knowledge

Task 3.3.4 Conduct Case Studies and Assessments of Climate Services

Task 3.3.5 Economic Valuation of Climate Services

Task 3.3.6 Climate Information Guide

Activity 3.4 Climate Resilient Infrastructure Services

Task 3.4.1 Identification of Pilot Cities

Task 3.4.2 CRIS Support To pilot Cities To Accelerate Climate Risk Management

Task 3.4.4 Global City-to-City Information Exchange

A documents CD is provided with this report and contains all reports and presentations drafted and/or finalized during the First Quarter of FY 2013. In addition, performance indicators and achievements for the reporting period are provided in Annex I, an organizational chart is provided in Annex II, and a quarterly financial report is provided in Annex III.

## B. PROJECT MANAGEMENT, PLANNING, AND EVALUATION

Project management activities during the first quarter of Fiscal Year (FY) 2013 focused on finalizing the Year Two Work Plan, holding the quarterly fall Senior Advisory Committee (SAC) meeting and planning for the upcoming winter meeting, continued development of web pages and sites related to CCRD and the Adaptation Partnership and Communities of Practice (CoP), issuing and monitoring small grants awards, and recruiting a full-time project-dedicated Climate Change Adaptation and Development Specialist.

### **Task PM-1 Develop Year Two Work Plan**

During the fourth quarter, CCRD staff revised the existing draft Year Two Work Plan, based on comments from USAID and partners, and submitted a revised draft. The Year Two Work Plan covers the period of August 2012 – July 2013.

### **Task PM-2 Update and Implement Performance Management Plan (PMP)**

During the first quarter, CCRD worked with USAID to revise the PMP to reflect targets that had been set by USAID for Year 1. CCRD also assisted USAID with proposing new targets for Year 2.

### **Task PM-4 Conduct Advisory Committee Meetings**

The fall Senior Advisory Committee Meetings were held at IRG/Engility on October 18-19, 2012. The fall SAC was forward-looking. The first day was devoted to specific technical areas, most of which are featured in the CCRD Work Plan, while the second day was designed to examine opportunities for undertaking cross-cutting work. During both days, committee members identified options for increasing the value of CCRD's current activities and adding new stand alone or complementary activities. In developing the agenda for this meeting, USAID urged CCRD to draw more heavily on Senior Advisors in exploring new directions for CCRD. As a result, senior advisors were requested to prepare two-page papers and PowerPoint presentations to support the two-page papers. These papers succinctly described current/recent work (by CCRD, USAID, and other donors/non-governmental organizations (NGOs)), assessed the value added of this work, if a CCRD activity; explored opportunities for CCRD; and described potential linkages with other CCRD, USAID, donor, or NGO activities. The main thrust of PowerPoint presentations were on opportunities and linkages.

During this reporting period, CCRD staff also began to prepare for the winter SAC, scheduled for January 24-25, 2013. During previous SAC meetings, we have covered several topics, in part because of the meeting's role in the work planning process. This meant that we have often had to cut off discussion to ensure equal time for all topics. As we do not have to start working on the Year Three work plan during the winter SAC, CCRD proposed that fewer topics be covered, in greater depth, with more time allotted to discussion. In addition, the theme of integration is being woven into the discussion of each topic, in order to look for opportunities to build on previous work and combine programmatic elements, and encourage CCRD partners to work collaboratively across organizational lines. The three proposed topics for discussion at the winter SAC are: Mainstreaming climate into development planning; Climate-Resilient Infrastructure Services Program (CRISP); and Fast Track Implementation.

### **Task PM-6 Develop and Disseminate CCRD Knowledge Management Products**

During the first quarter, CCRD has put great effort into improving the layout and functionality of the HMGWP and CSP CoP websites. A redesign of the HMGWP site is in the end stages of design, and will more clearly highlight the activities undertaken and information gathered through the HMGWP. The

CSP site redesign is also well underway. Emphasis for the site will be placed on the mapping feature, which will include various filters to give a quick and descriptive visual overview of partner activities around the world. Both of these CoPs will also make greater use of webinar and online discussion features to engage their CoP members. The HMGWP site will be the first to use the discussion function for its Steering Committee meeting in January 2013; CSP will host its first webinar in February 2013.

Work continued on the CCRD project website. USAID decided that our team should move forward with designing and implementing a new project website to serve the purpose of a place for information sharing while the USAID website is still developing its full functionalities. A concept note to define the site's objectives and primary functions was drafted and is with USAID for their comment and approval before we begin to develop the wireframes for the site.

### **Task PM-7 Implement Grants Under Contract Program**

This quarter, CCRD awarded fourteen (14) small grants under the High Mountain Glacial Watershed Program and Central America Climate-Resilient Agriculture Program.

# C. OBJECTIVE I: SUPPORT FOR USAID MISSIONS AND BUREAUS

Objective I of CCRD is to provide support for USAID Missions and Bureaus. During the first quarter of FY 2013, CCRD continued work on the climate mainstreaming guidance and supporting Annexes, conducted discussions with USAID on decision and tool typologies, finished the Infrastructure Fact Sheets and Synthesis Paper, entered the final stages of the Water, Sanitation, and Hygiene (WASH) case study in Iloilo in the Philippines, and completed country vulnerability profiles as part of the USAID Climate Change Adaptation Plan.

## ACTIVITY I.1 GUIDANCE, PILOTS, AND RESEARCH

### Task I.1.1 Revise Vulnerability and Adaptation (V&A) Manual

During the first quarter, in collaboration with USAID, CCRD developed the final draft of the guidance on vulnerability and adaptation, and finalized the title as Climate-Resilient Development: A Guide to Understanding and Addressing Climate Change. The guidance has been distributed for final review by the Global Climate Change (GCC) Office. Based on final comments from USAID, CCRD will make necessary edits, and prepare a production ready draft. CCRD partner ICF International (ICF) distributed an updated draft of the technical Annex on climate vulnerability assessment for review.

### Task I.1.2 Develop Climate Briefs and Annexes

CCRD staff made progress during the quarter on four Annexes, and finalized a series of Infrastructure Fact Sheets. A draft final version of the Water Annex was formatted for external review and the remaining three Annexes are at various advanced stages of development.

#### Water Annex

During this quarter, Jason Vogel of Stratus Consulting (Stratus) revised the Water Annex to accommodate additional reviewer comments and to align the Annex with the Climate-Resilient Development guidance. Mr. Vogel developed a spreadsheet of all reviewer comments to track the review, developed an executive summary, and finished revising the Annex.

#### Coastal and Marine Annex

The Coastal Annex was distributed for review by USAID and other external reviewers by the GCC Office. Based on these comments, the Coastal Annex is being revised and made consistent with both the main guidance and the Water Annex by CCRD partner Stratus. The next draft will be distributed for review by the GCC Office next quarter.

#### Identifying and Reducing Vulnerability to Climate Change for Disadvantaged Populations Annex

The outline for the Annex was revised following an internal review of the first draft of the Annex. The revised outline is currently under review and a revision to the draft will be completed during the second quarter.

## **Governance Annex**

During this quarter, Jessica Troell and Bruce Myers (Environmental Law Institute or ELI) and Marc Cassidy (IRG/Engility) prepared the first draft of the Governance guidance, titled “Governing for Resilience: A Guide to Climate-Adaptive Development Decisions. This draft was reviewed internally by CCRD and the USAID lead (Jonathan Cook) and the review team developed a revised outline for the document to link it more closely with the mainstreaming framework..

### **Infrastructure Fact Sheets and Synthesis Paper**

The purpose of this task is to develop materials for USAID mission staff that will: a) raise awareness about the potential impacts of climate change on infrastructure, b) provide basic information to missions on these impacts and the range of adaptation options available to address them, and c) promote the use of CCRD resources and technical support to help missions incorporate climate considerations into their programs and investment decisions.

The CCRD team finalized a set of nine Infrastructure Fact Sheets and an Overview, incorporating comments from USAID. The final Fact Sheets include transportation, buildings, flood control structures, cultural heritage assets, potable water, sanitation systems, solid waste management, energy systems, and information and communication technology. A limited number of these materials were produced as hard copies and distributed to attendees at the USAID Infrastructure Workshop session on adaptation held December 11, 2012 in Washington D.C. In the next quarter, the CCRD team will work with USAID to develop outreach materials as directed.

### **Task I.1.4 Prepare Case Studies To Demonstrate The Mainstreaming Guidance**

The CCRD Team, Jenny Frankel Reed from the GCC Office, Joel Smith (Stratus), Jason Vogel (Stratus), Jessica Troell (ELI), and Phil Brown (IRG/Engility consultant), prepared a draft report on the WASH case study in Iloilo, Philippines, following up on the July site visit. The draft report provides background on Iloilo and describes water security and governance conditions. The report identifies and analyzes 22 options for improving water security in Iloilo.

The team recently received reviews from in-country staff and will begin revisions in the second quarter. Further revisions will build on modified criteria to evaluate the recommended options as well as packaging adaptation options according to themes relevant to different anticipated audiences.

### **Task I.1.5 New Directions in Pilots and Research**

Initial planning and discussion has commenced regarding ways to incorporate CCRD’s guidance documents into the small grants activities. Future solicitations are likely to explicitly call for use or consideration of the guidance. CCRD will also explore ways to infuse consideration of the guidance into currently funded grants. In these ways, CCRD will obtain case studies of the use of the guidance, and will also receive feedback on ways to improve its implementation.

### **Prepare Background, White and Research Papers**

The CCRD team prepared prospectuses for background, white, and research papers focused on climate change and development. The objectives of the papers are to describe innovative approaches that may be explored further within CCRD and to articulate ideas or concepts that have the potential to expand knowledge of the climate adaptation community. The team kicked off the formal idea solicitation process for brief descriptions of ideas from all CCRD team members. The ideas underwent a review process by a core team. The next step will be preparation of 2-page prospectuses of the concepts that were approved by the core team.

## **ACTIVITY 1.2 INFORMATION, TOOLS, AND SCIENCE AND TECHNOLOGY**

### **Task 1.2.3 Support the United Nations Development Programme Adaptation Learning Mechanism Website**

Progress on the ALM site has been stalled while commitment and an understanding of who and what resources will be available to maintain the most interactive features of the site is being determined. There is hesitation to develop a dynamic site if social interaction functions will not be fully utilized and maintained. A conversation with CCRD and UNDP will be scheduled in the coming quarter, and will also likely draw on USAID for assistance in defining administrative responsibilities.

## **ACTIVITY 1.3 TECHNICAL ASSISTANCE AND CAPACITY BUILDING SUPPORT**

### **Task 1.3.1 Provide Capacity Building Support on Mainstreaming V&A**

#### **Niger and Burkina Faso Desk Study**

The CCRD team conducted a desk study on major vulnerabilities and adaptation options for Niger and Burkina Faso. The team delivered a summary report of the existing literature on the climate change trends and projections relevant for Niger and Burkina Faso; key climate change vulnerabilities and adaptation challenges; national priorities; and recommendations for sectors, key adaptation entry points, and actors that should be the focus of a more in depth assessment process. The study focused on the following sectors: agriculture and food security; natural resources management; water and WASH; health and nutrition; disaster risk management; rural infrastructure; and climate and early warning information. The background paper, Climate Vulnerabilities and Development in Burkina Faso and Niger, will inform the ongoing USAID Joint Planning Cell (JPC) process for the Sahel, through which the agency is developing strategies and programs to increase the resilience of poor populations in marginal agricultural and agropastoral zones in both countries.

### **Task 1.3.3 Support Development Of USAID's Federal Agency Climate Change Adaptation Plan**

The purpose of this task is to provide support for the development of USAID's Federal Agency Climate Change Adaptation Plan, under Executive Order (E.O.) 13514, Federal Leadership in Environmental, Energy, and Economic Performance.

During this reporting period, CCRD finalized the Country Vulnerability Profiles by incorporating all USAID input. A consolidated spreadsheet documenting versions and responses was also finalized. The CCRD team submitted a compiled Annex to USAID for submission to CEQ and worked on formatting and branding the individual Profiles, which will be used as outreach materials. At CCRD's direction, the team will work to develop dissemination and communication strategies related to the Adaptation Plan and Country Vulnerability Profiles in the next quarter. In addition, upon receipt of CEQ comments, the CCRD team will support the GCC Office in reviewing and responding to these comments as requested.

### **Task 1.3.4 Provide support for USAID Integration Pilot in Kazakhstan**

CCRD COP, Glen Anderson, traveled to Astana, Kazakhstan for start-up meetings with USAID, UNDP and stakeholders and collaborators (see trip report in document CD). The meetings were valuable in refining the role of CCRD in supporting the Integration Pilot in the areas of climate information and forecasting, climate impacts and vulnerability in the wheat sector, and options for addressing vulnerability. Dr. Anderson also began work on the design and agendas for four stakeholder workshops to be convened during the next quarter.

## **ACTIVITY I.4 SUPPORT FOR GENDER DEVELOPMENT**

### **Task I.4.1 Design a Health Program for Inclusion in the climate services program**

In June 2012, IRG/Engility was requested by USAID to develop concept notes for Health Work under the CCRD program. This request was in response to the need to better understand the role climate plays in driving disease burden and develop early warning systems that can identify vulnerable areas with elevated risks to prioritize early intervention and response efforts. During this quarter, several brief concept outlines were prepared by the International Research Institute for Climate and Society (IRI) at Columbia University outlining a few of the key climate / health-related activities that might be beneficial to USAID. IRI collaborated with other team members to develop concept papers that describe the current and potential application of climate services in the health sector to identify climate impacts and vulnerability, and design early warning systems and adaptation plans and identify potential follow-on activities to demonstrate the benefits of climate services in this sector. The concept papers were submitted to USAID on August 8, 2012 and are provided in the document CD.

# D.OBJECTIVE 2: COORDINATE WITH OTHER US GOVERNMENT AGENCIES TO SUPPORT MAINSTREAMING

Objective 2 activities, which entail coordinating with other USG agencies to support mainstreaming, focused during the reporting period on support for the Adaptation Partnership (AP), including convening one workshop in Washington DC, the expansion of three existing CoPs, finalizing one workshop report, and preparing materials for dissemination at the 18th session of the Conference of the Parties (COP18) for the United Nations Framework Convention on Climate Change (UNFCCC), in Doha, Qatar.

## **ACTIVITY 2.1 ADAPTATION PARTNERSHIP WORKSHOPS**

### **Task 2.1.1 Conduct Adaptation Partnership Workshops**

One AP workshop was convened during the first quarter with assistance and financial support from the Department of State and USAID, in November in Washington, DC. The CCRD team also supported an International South-South (SS) Learning Workshop in cooperation with CGAR, CCAFFS, WMO, CSP and USAID in Dakar, Senegal. The AP workshops have attracted over 150 participants from more than 20 developing countries. Planning for one follow-on workshop is underway, to take place this year in Addis Ababa.

#### **Building Urban Climate Change Resilience in Asia (Bangkok)**

The final report for this workshop was completed in October 2012 and uploaded to the AP web site along with the workshop presentations.

#### **Climate Change and Security (Washington, DC)**

Due to Superstorm Sandy, the Climate Change Adaptation and Peacebuilding in Africa workshop was held on a modified schedule (November 1 – 2, 2012) and with fewer people than were originally scheduled to attend (28 rather than 40). Despite this last minute change, the two-day workshop was comprised of lively plenary discussions, small group exercises and a role play simulation that was developed specifically for this meeting. The workshop report is being completed by the Woodrow Wilson Center. The Wilson Center, USAID, the US Department of State, and the Institute for Security Studies (ISS) are in discussion about when and where a follow-on workshop should be held.

### **International SS Learning Workshop: Scaling Up Good Practice in Climate Services for Farmers in Africa and South Asia (Dakar, Senegal)**

The International SS learning Workshop: Scaling up Good Practice in Climate Services for Farmers in Africa and South Asia, was held outside of Dakar, Senegal, on December 10-12, 2012. The purpose of the workshop was to capture and share lessons and evidence about how climate information services can be used to improve the lives of smallholder farmers; to foster collaboration between and within sub-Saharan Africa and South Asia; to identify critical gaps in the design, delivery, and use of climate-related information among smallholder farmers; and to initiate a process toward strengthening and scaling-up climate information and advisory services for food security in sub-Saharan Africa and South Asia. CCRD attended the workshop, and facilitated the attendance of eight representatives from six countries in Africa.

## **ACTIVITY 2.2 ADAPTATION PARTNERSHIP COMMUNITIES OF PRACTICE**

### **Task 2.2.1 Facilitate Adaptation Partnership Communities of Practice**

During the first quarter of FY2013, a significant effort was made on behalf of CCRD to improve the website functions that will be used to facilitate the High Mountain Glacial Watershed Program (HMGWP) and Climate Services Partnership (CSP) CoPs. New designs for the sites were initiated in the first quarter and will be implemented in the second quarter of FY2013 (see Task PM-6). Partner interaction will be encouraged in the coming quarter with increased use of online discussion, webinar, and forum tools.

### **Task 2.2.2 Develop Adaptation Partnership Materials**

During this reporting period, CCRD finalized and produced the report for the AP workshop held in Bangkok, Thailand, entitled “Building Urban Climate Change Resilience in Asia,” which took place July 31 – August 2, 2012. CCRD also prepared the report summarizing the workshop in Washington, DC, entitled “Climate Change and Security,” which took place November 1-2, 2012. This report will be finalized and produced during the next quarter. Finally, CCRD staff prepared 270 USB thumb drives for dissemination at the COP18, which took place in Doha November 26 – December 7, 2012. The drives were pre-loaded with information on the AP; country profiles of “Review of Current and Planned Adaptation Action” for Africa, Asia, and LAC; and technical papers on mainstreaming and CoPs.

# E. OBJECTIVE 3: IDENTIFY AND RESPOND TO EMERGING ISSUES AND FILL GAPS

Progress was made on the three activities under Objective 3, identifying and responding to emerging issues and filling gaps. CCRD finalized work products following the Jamaica workshop, prepared the final report for stakeholder consultations in Nepal and technical reports for the High Mountain Glacial Watershed Program, and convened a follow-up workshop in Senegal on climate services as well as several climate services reports. The newest activity under Objective 3 – the Climate Resilient Infrastructure Services Program or CRISP, was initiated with work planning activities and the preparation of a session at the USAID annual infrastructure workshop.

## **ACTIVITY 3.1 SUPPORT ADAPTATION PLANNING AND IMPLEMENTATION**

### **Task 3.1.1 Support Preparation of National Adaptation Plans**

CCRD, in collaboration with USAID, has been supporting a process for developing an integrated policy framework for the Government of Jamaica (GOJ) that incorporates climate considerations. During this quarter, discussions have been carried out between USAID and the GOJ regarding next steps. A number of activities have been proposed including support for writing the policy framework and assistance with developing a stronger climate information service program (which will be in conjunction with ongoing PPCR activities). USAID and CCRD also attempted to support regional stakeholder workshops in Jamaica in October but efforts were thwarted by hurricane Sandy.

During this quarter, CCRD finalized the Workshop Report by integrating feedback by USAID/Jamaica and the GOJ. A complementary comment/response spreadsheet was developed to track revisions. CCRD also drafted a short video of Jamaica and provided comments for revisions. The video will likely be finalized in the next quarter. In the next quarter, USAID and CCRD will also regroup and decide how the team can most effectively support Jamaica as they develop their climate change policy framework.

### **Task 3.1.2 Develop and pilot fast track implementation concept**

CCRD articulated the concept of fast track implementation via a presentation to the GCC team. This concept will help to catalyze implementation action through the streamlining of certain aspects of the standard set of diagnostics and through a concrete set of steps to undertake adaptations to address high risk / high vulnerability challenges. The next phase for CCRD is to develop a concept paper that outlines approaches for further pursuit of this concept. Concurrently, aspects of this concept are being incorporated into the planning for Climate Resilient Infrastructure Services Program (CRISP).

## **ACTIVITY 3.2 GLACIERS AND MOUNTAINS**

### **Task 3.2.2 Develop the HMGWP's Community of Practice**

#### **CoP Membership/Expectations**

Additional CoP members were sent the introductory email and information about the goals of the HMGWP. These individuals included the “Mountain Partnership” as well as members of the American Anthropologist Association who attended a session on climate change adaptation in the mountains during the annual meeting in November. The current CoP mailing list has 87 active members and 122 people interested in the program (Participant List\_November2012.xlsx). In an effort to further improve the CoP services, a CoP Steering Committee was formed. See “CoP Steering Committee Overview.docx” for further details about the objectives of the Steering Committee. The first Steering Committee discussion will take place the second week of January.

#### **CoP Platform**

Kate Voss held a conference call with IRG/Engility's web team (Rosamund Mische John, Radha Arunkumar, and Meghan Hartman) on Friday, October 26 to discuss revisions for the Adaptation Partnership website design (see “final\_Engility Website Design Outline.docx”). Based on recommendations from the conference call, the web team submitted comments/ideas to the website design team, who is now developing a prototype for the new website. Once the prototype is ready, a second round of revisions will take place and the final website will be launched in January. The current AP site is being updated with Expedition Logs from the September/October fieldwork in Nepal.

#### **CoP Services/Expansion**

The final second quarterly newsletter (Summer 2012) was sent to the Community of Practice on October 2, 2012 (“HMGWP\_Summer\_Final.pdf”). The third quarterly newsletter (Fall 2012) is currently in review with Meghan Hartman and will be sent to the CoP as soon as final revisions and design are completed (“text\_Newsletter 3\_Fall 2012\_v2.docx”). In addition to the newsletters, the first HMGWP CoP webinar was developed on the topic of Glacial Lake Rapid Reconnaissance. The webinar is currently in review with Meghan Hartman and will be launched once final revisions are made, hopefully in December 2012 or early January 2013. A second webinar is being planned for the end of February 2013 or early March 2013 on the topic of alpine conservation, with a focus on the Khumbu Alpine Conservation Council.

#### **CoP Meetings**

Dr. Jorge Recharte finalized conversations with Peru's National Water Authority, Glaciology Unit, CARE International and the University of Zurich to solidify plans regarding the “Month of Glaciology” in July 2013. A concept note for the 3<sup>rd</sup> CoP conference, the “Living Laboratory of the Andes” was developed (“v5\_Peru2013\_Concept Note.docx”). The 2013 Peru conference will be discussed with the newly developed Community of Practice Steering Committee to determine whether the goals, modules, and activities of the conference meet the needs of the HMGWP CoP. A “Save the Date” was developed and will be sent to the Community of Practice once the invite list is finalized (“Save the Date\_v3.docx”).

#### **CoP Outreach and Services**

The Fall 2012 newsletter focused on the HMGWP's community engagement activities. The newsletter featured several “Expedition Logs” from the September/October Nepal fieldwork, particularly the vulnerability and adaptation community consultations. In addition, the current risk perception studies taking place in the Cordillera Blanca of Peru were highlighted. In an effort to highlight the work of the Community of Practice, the newsletter also include an interview with Jeff LaFreniere regarding his research at Volcan Chimborazo in Ecuador. Finally, the Fall Newsletter discussed the outcomes of the October 8-2012 Imja Lake Risk Reduction Partners Meeting in Nepal, released the “Save the Date” for the 2013 Peru Conference, provided information about upcoming events, and summarized the fieldwork

in September/October in Nepal. Future newsletters will continue to include news, updates, case studies, stories from the field, best practices, tools, funding opportunities, and upcoming events. The first HMGWP webinar (currently in review by IRG/Engility) highlights the Glacial Lake Rapid Reconnaissance (GLRR) work, particularly with the ground-penetrating radar and bathymetry technology. The webinar discusses the specific equipment used to conduct the GLRR, the results, and the next steps for connecting the results to action. Once the final revisions are made, the webinar will be launched and a Discussion Board/Forum will be opened for the CoP to discuss and ask questions about the GLRR. Content for the CoP is continuously collected and posted to the CoP platform/website. During the September/October fieldwork in Nepal, a daily “expedition log” was maintained and is being retroactively posted to the CoP platform. As additional content is collected from CoP members, it is uploaded and shared via the CoP platform.

### **CoP Presence at Workshops/Conferences**

The HMGWP poster and oral presentation session on “Climate Change in Mountain Environments” at the American Geophysical Union was completed on Monday, December 3 (poster presentations, see (1) Emerging Glacial Lakes in the Cordillera Blanca, Peru: A Case Study at Artesón Glacier Rachel Chisolm, Daene McKinney, Jesús Gomez, Katalyn Voss Paper Number: 1482704 - Chisolm- AGU poster final.pdf and (2) Importance of field work in natural disaster risk assessments in high mountains Marcelo Somos-Valenzuela, Daene C. McKinney, and Alton C. Byers, Paper GC11A-0959, Somos- AGU poster final.pdf) and Friday, December 7 (oral presentations). The two sessions highlighted the work of many Community of Practice members and sparked much dialogue among CoP members (see “HMGWP at AGU.docx” for a description of the poster and oral presentations). To complement the conference sessions, an informal “happy hour” was convened for relaxed conversations and to catch-up with CoP members.

### **Task 3.2.3 Design and Conduct the Climber-Scientist Competitive Solicitation**

TMI and UT continued to monitor the progress of the Climber-Scientist Small Grants. This included responding to numerous emails from grantees and CCRD staff regarding the initiation of the grants. A second-round Climber-Scientist Small Grants solicitation was developed and is under review by Deborah Tepley and Glen Anderson see “Climber-Scientist Small Grants Solicitation-2-Dec 2012.docx”).

### **Task 3.2.4 Implement CoP Pilot Project and Research**

Activities that commenced during the reporting period include the following:

- **Glacial Lake Handbook:** Ing. Cesar Portocarrero completed a handbook describing examples of Peru’s successful control of potentially dangerous glacial lakes since the 1950s, following devastating floods in the 1940s that killed over 10,000 people in the Cordillera Blanca region. The handbook is intended to be a catalogue of engineering control methods, from the simplest of drainage canals (e.g., Laguna Cohup) to the engineering wonder at Laguna Paron, where a tunnel was drilled through 1,000 m of solid rock and fitted with lake level control valves. Approximately 18 case studies are included. TMI is working with IRG/Engility to complete any necessary editing, formatting, and for the final publication and distribution of the handbook. (see Glacial Lake Management Handbook (30July2012).docx)
- **Risk Perception Study:** Dr. Jorge Recharte and Ing. Gabriela Lopez completed this activity in the rural and urban areas historically impacted by a Palcacocha lake glacial lake outburst flood in the 1940s, and which continues to represent a major threat today. Interviews with key informants in three communities located below Palcacocha Lake (Unchus, Llupa y Marian) were analyzed. Including mapping of institutional stakeholders in the city of Huaraz, and review of secondary literature. Results yielded information risk perceptions posed by Palcacocha Lake. The final report was completed and submitted to IRG/Engility in August, 2012.

- **High Mountain Glacial Watershed Issues Paper:** Dr. Jack Ives provided a detailed outline for an HMGW Issues Paper that covers high mountain geography, physical and social attributes and characteristics, contemporary problems, research gaps, and resource bibliography. The outline was completed on July 11, 2012 and provided to IRG/Engility and USAID. Dr. Don Alford has been recruited to write the full paper using the Ives conceptual piece as a general guideline. He will be assisted by Alton Byers, Jack Ives, Martin Price, Dirk Hoffman, Jorge Recharte, Andrew Taber, and Daene McKinney. Once the draft has been completed, TMI anticipates working with IRG/Engility for the final editing, layout, publication, and distribution. (see TMI editing draft 9-12-12.docx)
- **Ground Penetrating Radar (GPR) surveys:** Prepared report for Huascarán National Park on the GPR surveys conducted at Pastoruri and Arteson glaciers and Lake Palcacocha to map the thickness of glacial ice at quickly retreating glaciers and the remains of the breached glacial lake moraine. (see Final Report Huascarán National Park 2012 Research 31 December 2012.docx)
- **International Workshop, Peru, July 2013:** Planning continued for this workshop to be held in Peru in July 2013 in the Cordillera Blanca of Peru. HMGWP coordinator, Meghan Hartman worked with TMI staff to organize meetings for her upcoming TDY mission in January 2013 to Peru to identify and select local contractors and work with TMI and UT on the agenda.

## ACTIVITY 3.3 CLIMATE SERVICES

### Task 3.3.2 Coordinate Activities of the Climate Services Partnership

During this quarter, the final report for the second International Conference on Climate Services (ICCS2) was completed, and distributed to the conference participants and broader Climate Services Partnership (CSP) network. It is included in the document CD. This also includes the report from the Development Day workshop that the CSP secretariat organized in coordination with CCRD staff and other partners.

Following up on these events the Secretariat has developed a survey to be distributed to participants, to solicit their input on strengths and weaknesses of the conference regarding agenda, organization, format, etc. We will use this information to plan future events, aiming to steadily improve on the ICCS experience, and maximize benefits to participants. We also are using this approach to engage the partnership more actively in developing the agenda for future meetings. Planning for ICCS3 is already beginning, engaging interested CSP members and key institutions in Jamaica (the host). A copy of the above-mentioned survey is included in the document CD.

As further follow-up to the Development Day workshop and ICCS2, the Secretariat has developed a set of proposed priority activities and action-items that respond to the principal findings of the workshop/conference, and more generally support CSP objectives – a draft is included in the document CD. These have already been introduced to the CSP Coordinating Group, and further consultations will continue with these partners, and the broader CSP network. The aim is to solicit both interest and active participation in these activities that will effectively define the agenda for CSP going forward. In conjunction, Activity 3.3 (“Climate Services Partnership”) in the CCRD Year 2 Work Plan has been developed to support many of the activities.

CSP/IRI was represented at the Extraordinary Session of the WMO Congress, and associated Dialogue for Climate Services Users and Providers, held in late October 2012. Attending were Steve Zebiak, Cathy Vaughan, and Haresh Bhojwani for the CSP Secretariat and IRI; Molly Hellmuth (ICF) was another CCRD supported participant. Engagement with the GFCS process has been a principal thrust of CSP outreach since the outset, as we see a complementary role for what can be undertaken through formal

intergovernmental channels, and what CSP can contribute through informal arrangements, broad (nongovernmental) partnerships and members' on-the-ground experience. The Secretariat organized a CSP side event session at the Dialog event, including representatives of the Red Cross Climate Center (RCCC), CCAFS, CIIFEN, plus the President of WMO (rep. from Health and Climate Foundation had to cancel attendance). Attached in the document CD is the side event agenda and the PPT presentation on CSP delivered by Steve Zebiak. The event gave new visibility to the CSP, and discussions also figured in the report of the WMO President, David Grimes, to the Extraordinary Congress, in support of GFCS engagement with CSP in its implementation. Later in the Congress session there was the opportunity for IRI/CSP to deliver a formal statement reinforcing this point.

At the Congress and Dialogue events we were able to conduct several other side meetings with existing and potential CSP members, including senior representatives from WMO Development and Regional Activities, ACMAD, CMCC (Euro Mediterranean Centre on Climate Change), UNDP/BCPR, and the GFCS project office.

During this quarter (December 10-12, 2012), we held the joint CCAFS/WMO/USAID/CSP workshop on Scaling Up Climate Services for Farmers in Africa and South Asia, in Saly, Senegal. Attached in the document CD is the workshop agenda (the final report is not yet available). CSP engaged in this process as a sponsor, participating in conceptualization, planning, agenda development, invitation process, support, and workshop management. The event allowed the assessment work on climate services in Mali by CCRD, and similar assessments in India by CCAFS to be presented and discussed; additionally other case studies were presented, key challenges and issues were discussed, aspects of good practices identified. Emerging from the workshop is a set of program ideas for regional or interregional collaborations in farmer-focused climate services. Workshop participants will continue developing ideas, and will have the chance to compete for small grants to be provided through USAID (through CCRD) to develop concepts into more advanced project initiatives/proposals. CSP can support this process through facilitating the small grants process; serving as a resource and point of contact for needed expertise/partners; and providing the means to exchange knowledge/experience between these project groups and the wider global CSP network.

The CSP was also represented at the American Geophysical Union meeting in December, via an invited presentation in a climate services related session. Steve Zebiak was unable to attend in person, but CSP partner L. Buja (CSP Coordinating Group) was able to give the presentation on behalf of the Secretariat.

A number of additional bilateral meetings/conference calls were undertaken over the period, regarding new partner development, workshop or project planning, institutional linkages, or resourcing. Noteworthy among the organizations engaged were: Climate Services Center, Germany; World Bank; European Space Agency; CLIM-RUN (European climate services project); UKMO; ICEM (Energy and Meteorology partnership); UNEP-Financial Initiative/Sustainable Business Institute; GIZ, World Vision.

Three conference calls of the CSP Coordinating Group were undertaken during this period, primarily focusing on outcomes of ICCS2/Development Day, and possible follow-up actions, plus the proposed CSP Knowledge Exchange. Call summaries are provided in the document CD.

### **Task 3.3.3 Compile and Disseminate Current Climate Services Knowledge**

The CSP secretariat has been working with IRG/Engility's web team, led by Rosamund Mische John, to further develop the CSP website. We have also worked with Fernanda Zemoglio to develop ideas regarding the improvement of our interactive database. A list of requested improvements, from the website development tracker, is included in the document CD. Mock-ups for a possible redesign of the interactive map, and for an upgrade in the look and feel of the site, are also included.

### **Task 3.3.4 Conduct Case Studies and Assessments of Climate Services**

The CSP presented a synthesis of case studies at the GFCS Climate Services Dialog in Geneva in October 2012. The summary document is included in the document CD, along with the associated power point presentation.

The CSP has also added several new case studies to its collection. While they are in the last stages of editing, the list includes case studies from the International Federation for the Red Cross and Red Crescent, the German Climate Service Center, the US National Oceanic and Atmospheric Administration, the Beijing Climate Center, the Netherlands Meteorological Institute, and the Centre for Climate Risk and Opportunity Management in Southeast Asia, and Ebonyi State University.

During the quarter, Ed Carr has been working on the Mali Agrometeorological Program Assessment. There have been several principal tasks:

- 1) Management of data entry and database: This has involved following up with CCAFS (both in the US and Mali) to ensure data entry proceeded at an appropriate pace, facilitating the resolution of database problems, and working with Stratus on building queries for the data. Stratus provided Ed Carr with flat files of the database, including sub-datasets that were more manageable and included only key variable. They also provided queries and cross tabs of key variables to assist Ed in identifying relationships across villages and potential impacts from the GLAM program. Stratus also prepared summary statistics and advice on approaches to compare villages and coded key variables with open ended responses for use in the preliminary analysis.
- 2) Preliminary analysis of field data: while the data from the field assessment is not yet fully inputted, the completion of data input for the interviews from the field survey enabled some initial analysis, which informed the presentation and other activities undertaken at the Senegal workshop (see below).
- 3) Editing of science and institutional assessments: While directly conducting the field assessment, Ed also has overarching responsibility for the overall program assessment. In this capacity, he has read over, edited, and provided feedback to the authors of the draft science assessment (IRI) and the draft institutional assessment (CCAFS).
- 4) Presentation of the assessment at the Scaling up “Climate Services for Farmers in Africa and South Asia” in Senegal in December 2012: This entailed creating a presentation on the assessment, making the presentation itself, and contributing to discussions on how to scale up the assessment. While he could not present many findings at this meeting, the discussion of CCRD’s assessment methodology was a critical contribution, as we are establishing appropriate assessment practices for this emerging area of inquiry. The presentation generated significant interest, and Ed expects that CCRD will be called upon to support some similar programs in the near future.

### **Task 3.3.5 Economic Valuation of Climate Services**

Under Task 3.3.5, IRG/Engility and Stratus carried out the work described below and engaged in discussions on future efforts related to the economic valuation of climate services.

#### **Literature Survey and Synthesis Paper on Valuing Climate Services**

Janet Clements and Aaron Ray of Stratus revised the draft report on economic valuation of climate services across economic sectors in response to comments and feedback obtained while presenting and discussing the project at the International Conference on Climate Services (ICCS2) in Brussels, Belgium in September during the previous reporting period. In addition, Clements and Ray also revised and updated the matrix of studies related to the value of climate services that were reviewed during the course of the project. The matrix now includes a total of 152 studies. Finally, their activities included revising and submitting an abstract of the project for acceptance and publication in a peer-reviewed journal. The paper has been accepted in *Environment and Society: Advances in Research*.

### **Task 3.3.6 Climate Information Guide**

During this period, a second draft of the Guidance Note on Hydromet Services, commissioned by the World Bank was completed. Following discussions among USAID/E3, IRI, and WB on the topic of collaboration on climate services guidance under the CSP umbrella, Steve Zebiak provided a review of the Guidance Note, with CCRD support. Additional reviews and synthesis of guidance materials among a broader set of development partners is planned later in Year 2 of CCRD.

## **ACTIVITY 3.4: CLIMATE RESILIENT INFRASTRUCTURE SERVICES PROGRAM**

During this quarter, CCRD developed and delivered a work plan for the Climate Resilient Infrastructure Services program (CRIS) to USAID. CRIS will promote increased climate resilience of urban areas by supporting a novel combination of top-down and bottom-up approaches to move quickly and effectively to implement urban climate risk management in individual cities, while multiplying the success and lessons learned from these pilot cities by sharing lessons learned with other cities confronting similar issues. CRIS will also manage a small grants program to directly fund implementation actions to improve climate resilience in city neighborhoods and build capacity for adaptation planning, advocacy, and implementation at the local level.

Substantial work was done this quarter to refine the focus of CRIS to ensure that it meets USAID objectives, engage CCRD partners, and design a staffing team that can best implement the CRIS work plan. This involved multiple meetings with USAID to solidify the scope of CRIS activities, meetings and discussions with IRG/Engility and Cascadia staff, and internal staffing and budget meetings. CRIS staff also attended the USAID Infrastructure Workshop to raise awareness among USAID field staff about the resources CRIS will provide to urban areas in developing countries, and to learn more about the state of practice in country and regional missions.

### **Task 3.4.1: Identification of Pilot Cities**

CCRD conducted internal discussions and discussions with USAID staff to develop an approach and criteria for identifying pilot cities under Task 3.4.1.

In the coming quarter (Q2FY13), CCRD will:

- Draft and finalize criteria for city selection.
- Develop a short-list of cities that may meet these criteria. This process will leverage the knowledge and contacts of the full CCRD team and of USAID staff in headquarters, regions, and missions. CCRD will consult with USAID partners to receive input and suggestions.
- Explore the suitability of short-listed cities for participation and select two pilot cities. This review and selection will be conducted through phone conversations with relevant city staff, potential partners, stakeholders, and members of the international development community.
- Based on this assessment and in consultation with USAID, CRIS will select two cities for participation.

### **Task 3.4.2: CRIS Support To pilot Cities To Accelerate Climate Risk Management**

In this quarter, CCRD began to identify potential technical support needs and resources available to pilot cities. In the coming quarter CRIS will initiate work with the first pilot city to identify city objectives and develop a work plan. This work will include planning meetings with city staff by phone and web conference, and in-country consultations.

### **Task 3.4.4: Global City-To-City Information Exchange**

In this quarter CCRD submitted a workshop proposal to ICLEI's Resilient Cities Congress, taking place in Bonn, Germany from May 31st to June 2nd, 2013. The topic of the workshop proposal is pre-planning for post disaster reconstruction. It proposes presentations by a representative of USAID's CRIS program, representatives from organizations engaged in disaster response and reconstruction (e.g. Red Cross , USAID, University of Massachusetts at Boston), and a representative from a city that was recently impacted from a natural disaster. The presentations will be followed by a fishbowl-format dialogue among participants that will include stakeholders involved in post-disaster rebuilding, including representatives of city governments, donor agencies, and responders.

CCRD completed a set of Infrastructure Fact Sheets and an Overview, incorporating comments from USAID. A limited number of these materials was produced in hard copy and distributed to attendees at the USAID Infrastructure Workshop session on adaptation held December 11, 2012 in Washington D.C.

In the coming quarter, CCRD will begin to flesh out the structure of the global city-to-city information exchange. This will involve research and consultations with other partners engaged in capacity development efforts and with USAID staff. CCRD will identify currently planned workshops and conferences that may be appropriate venues for CRIS information sharing, highlighting pilot activities and the small grant program, and training.

# ANNEX I. CCRD PERFORMANCE INDICATORS AND ACHIEVEMENTS

During the first quarter of FY 2013, implementation activities supported six of the eleven performance indicators specified in the CCRD Performance Management Plan. Below: a summary of CCRD performance indicator achievements is provided, followed by a summary table.

**Indicator #1: Number of people with increased capacity to adapt to the impacts of climate variability and change as a result of USG assistance (mandatory for Adaptation funding)**

No performance results during this quarter.

**Indicator #2: Number of people receiving training in climate change supported by USG assistance (Person-hours of training completed in climate change supported by USG assistance)**

Support for Indicator #2 (and #5) resulted from two workshops 1) the Senegal International SS Learning Workshop: Scaling Up Good Practice in Climate Services for Farmers in Africa and South Asia, and 2) the Climate Change Adaptation and Peacebuilding in Africa Workshop in Washington DC (136 people, 93 men, 43 women; 3124 hours of training, 2142 hours of training for men, 982 hours of training for women).

**Indicator #3: Number of laws, policies, strategies, plans, agreements, or regulations addressing climate change officially proposed, adopted, or implemented as a result of USG assistance**

No performance results during this quarter.

**Indicator #4: Amount of investment leveraged in U.S. dollars from private and public sources, for climate change as a result of USG assistance**

CCRD benefitted from the financial contributions of numerous public and private organizations for Adaptation Partnership workshops and follow-on activities. Not all organizations providing leverage have been forthcoming in sharing cost information. In those instances, an estimate of the value of leverage is provided based on CCRD's experience in convening similar events such as international conferences and workshops.

**Adaptation Partnership (\$131,125)**

- The Senegal International SS Learning Workshop: Scaling Up Good Practice in Climate Services for Farmers in Africa and South Asia, December 2012 – Co-financing by CCAFS, WMO, ICRISAT, and CCAFS/ICRISAT. A number of individual organizations also provided contributions by covering their own costs of participation and that of a few other participants, namely CDKN, IRI, the CSP, Reading University and others. USAID contribution is not included- \$131,125

**Indicator #5: Number of institutions with improved capacity to address climate change issues as a result of USG assistance**

See discussion for Indicator #2.

**Indicator #6: Number of days of USG funded technical assistance in climate change provided to counterparts or stakeholders**

- CCRD attended the International SS Learning Workshop in Senegal, and facilitated the attendance of eight representatives from six countries in Africa. (3 days)

**Indicator #7: Number of climate adaptation tools, technologies and methodologies developed, tested, and/or adopted as a result of USG assistance**

No performance results during this quarter.

**Indicator #8: Number of climate vulnerability assessments conducted**

No performance results during this quarter.

**Indicator #9: Number of people registering to participate in adaptation-related communities of practice**

Two of the communities of practice established with support from CCRD – The High Mountain Glacial Watershed Program and Central America agriculture registered 9 new members during this quarter.

**Indicator #10: Number of people logging on to/accessing the adaptation-related websites supported with USG assistance**

CCRD monitored visits to the Adaptation Partnership website, including the three communities of practice, and the new Climate Services Partnership website.

**Indicator #11: Number of adaptation financing proposals benefitting from USG assistance**

No activities during this quarter.

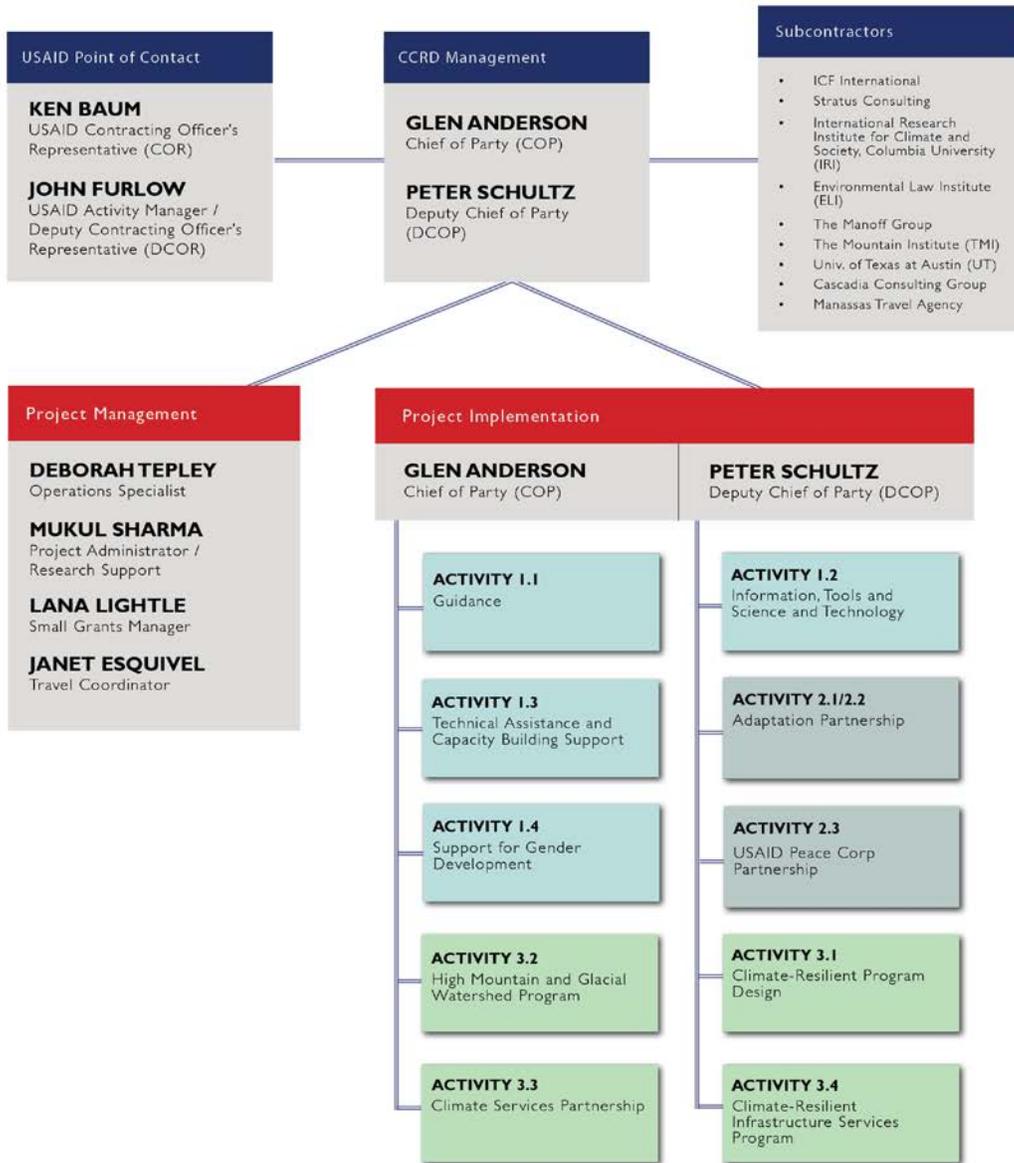
### CCRD Performance Indicators and Achievements

#	Indicator	Unit	FY 2012 Actuals	FY 2013 Targets	Achievement – FY 2013				Remarks	CCRD Cumulative FY 2012 – FY 2013
					QTR 1	QTR 2	QTR 3	QTR 4		
1	Number of people with increased capacity to adapt to the impacts of climate variability and change as a result of USG assistance (mandatory for Adaptation funding) <b>MEN</b>	number	48	610						48
	Number of people with increased capacity to adapt to the impacts of climate variability and change as a result of USG assistance (mandatory for Adaptation funding) <b>WOMEN</b>	number	9	165						9
2	Number of people receiving training in climate change supported by USG assistance (Person-hours of training completed in climate change supported by USG assistance) <b>MEN</b>	number / hours	376/ 7,913	1397/ 26,040	93 / 2,142				International SS Learning Workshop: Scaling Up Good Practice in Climate Services for Farmers in Africa and South Asia, Dakar, Senegal (Qtr 1)	469 / 10,055
	Number of people receiving training in climate change supported by USG assistance (Person-hours of training completed in climate change supported by USG assistance) <b>WOMEN</b>	number / hours	148/ 2,736	619/ 11,656	43 / 982				Climate Change Adaptation and Peacebuilding in Africa Workshop, Washington DC (Qtr 1)	191 / 3,718
3	Number of laws, policies, strategies, plans, agreements, or regulations addressing climate change officially proposed, adopted, or implemented as a result of USG assistance	number		15						

#	Indicator	Unit	FY 2012 Actuals	FY 2013 Targets	Achievement – FY 2013				Remarks	CCRD Cumulative FY 2012 – FY 2013
					QTR 1	QTR 2	QTR 3	QTR 4		
4	Amount of investment leveraged in U.S. dollars from private and public sources, for climate change as a result of USG assistance	dollars	\$440,000	\$600,000	\$131,125				Climate-Smart Agriculture Program Design Workshop (Qtr 1)	\$571,125
5	Number of institutions with improved capacity to address climate change issues as a result of USG assistance	number	272	75	79				See Indicator #2 Remarks	351
6	Number of days of USG-funded technical assistance in climate change provided to counterparts or stakeholders	days	171	390	5				International SS Learning Workshop: Scaling Up Good Practice in Climate Services for Farmers in Africa and South Asia, Dakar, Senegal (Qtr 1) Climate Change Adaptation and Peacebuilding in Africa Workshop, Washington DC (Qtr 1)	176
7	Number of climate adaptation tools, technologies and methodologies developed, tested, and/or adopted as a result of USG assistance	number	6							6
8	Number of climate vulnerability assessments conducted	number	5							5
9	Number of people registering to participate in adaptation-related communities of practice	number	80		9				High Mountain Community of Practice Members (Qtr 1) Central America Climate Resilient Agriculture (Qtr 1)	89
10	Number of people logging on to/accessing the adaptation-related websites supported with USG assistance	number	7,687		2,046				Qtr 1: Adaptation Partnership Google Diagnostics data for period. 65 out of the 2,046 visitors were viewers for the HMGWP page. 553 out of the	9,733

#	Indicator	Unit	FY 2012 Actuals	FY 2013 Targets	Achievement – FY 2013				Remarks	CCRD Cumulative FY 2012 – FY 2013
					QTR 1	QTR 2	QTR 3	QTR 4		
									2,046 visitors were viewers for the CSP page. 24out of the 2,046 visitors were viewers for the Central America COP page	
II	Number of adaptation financing proposals benefitting from USG assistance	number								

# ANNEX II. ORG CHART



**PROJECT MANAGEMENT**

GLEN ANDERSON

WORK PLAN	G.ANDERSON / KEN BAUM
PMP	G.ANDERSON / K. BAUM
STRATEGIC PLANNING /SAC	G.ANDERSON / JOHN FURLOW
REPORTING	DEBORAH TEPLY / K. BAUM
COMMUNICATIONS, OUTREACH, AND COMMUNITIES OF PRACTICE (CoPs)	ROSAMUND MISCHJE JOHN / JENNY FRANKEL-REED
POC FOR SUBCONTRACTORS/CONSULTANTS	D. TEPLY / K. BAUM
SMALL GRANTS	LANA LIGHTLE / K. BAUM

**PROJECT IMPLEMENTATION**

GLEN ANDERSON / PETER SCHULTZ

<b>ACTIVITY 1.1: GUIDANCE</b>	G.ANDERSON / J. FRANKEL-REED		
<b>1.1: GUIDANCE, BRIEFS, AND ANNEXES</b>	YOON KIM / J. FRANKEL-REED	<b>I.1: CASE STUDIES</b>	G.ANDERSON
REVISE V&A MANUAL	Y.KIM / J. FRANKEL-REED	CASE STUDIES TO DEMONSTRATE THE MAINSTREAMING GUIDANCE	G.ANDERSON
WATER ANNEX	BOB RAUCHER / J. FRANKEL-REED	WASH CASE STUDY	J. TROELL
COASTAL AND MARINE ANNEX	Y.KIM / JONATHAN COOK		
DIFFERENTIATED VULNERABILITIES ANNEX	R. MISCHJE JOHN / ANDRE MERSHON	<b>I.1: NEW DIRECTIONS IN PILOTS AND RESEARCH</b>	P. SCHULTZ / J. FURLOW
GOVERNANCE ANNEX	JESSICA TROELL / J. COOK	<b>I.1: WORKSHOPS</b>	P. SCHULTZ / J. FURLOW
DEVELOP LESSONS LEARNED ON MAINSTREAMING CLIMATE ADAPTATION	MIKE SAVONIS / J. FRANKEL-REED		
INFRASTRUCTURE LESSONS LEARNED PILOT	M. SAVONIS / K. BAUM		
YEAR 2: KM / ROLLOUT OF NEW GUIDANCE	A. MERSHON		
YEAR 2: V&A 201 TRAINING	A. MERSHON		
YEAR 2: DRR CLIMATE GUIDANCE BRIEF	NORA FERM		
YEAR 2: LEDS GUIDANCE BRIEF	ASHLEY ALLEN		
YEAR 2: SECURITY/CONFLICT GUIDANCE BRIEF	J. FURLOW		
YEAR 2: URBAN/INFRASTRUCTURE GUIDANCE BRIEF	K. BAUM / N. FERM		
YEAR 2: RISK MANAGEMENT (INCLUDING DRR) GUIDANCE BRIEF	N. FERM		
YEAR 2: HEALTH GUIDANCE BRIEF	J. FRANKEL-REED		
YEAR 2: PROJECT DESIGN & MANAGEMENT (INCLUDING FINANCING AND M&E) GUIDANCE BRIEF	J. COOK		
<b>ACTIVITY 1.2: INFORMATION, TOOLS AND SCI AND TECH</b>			
UNDERSTAND USAID BUREAU AND MISSION NEEDS FOR CC ADAPTATION TOOLS	P. SCHULTZ / J. FRANKEL-REED		
MAINTAIN GCC OFFICE HELP DESK	P. SCHULTZ / J. FRANKEL-REED		
UNDP ALM WEBSITE	C. MACK / A. MERSHON		
	R. MISCHJE JOHN / J. FRANKEL-REED		
<b>ACTIVITY 1.3: TECHNICAL ASSISTANCE AND CAPACITY BUILDING SUPPORT</b>			
PROVIDE CAPACITY BUILDING SUPPORT ON MAINSTREAMING V&A	G.ANDERSON / A. MERSHON		
SUPPORT DEVELOPMENT OF USAID'S FEDERAL AGENCY CLIMATE CHANGE PLAN	JOANNE POTTER / N. FERM		
PROVIDE SUPPORT FOR USAID INTEGRATION PILOT IN KAZAKHSTAN	G.ANDERSON / J. FRANKEL-REED		
<b>ACTIVITY 1.4: SUPPORT FOR GENDER DEVELOPMENT</b>			
TECHNICAL ASSISTANCE TO THE OFFICE OF GENDER EQUALITY AND WOMEN'S EMPOWERMENT	IRI / NATALIE ELWELL & A. MERSHON		
<b>ACTIVITY 2.1/2.2: ADAPTATION PARTNERSHIP</b>	P. SCHULTZ	<b>2.2: ADAPTATION PARTNERSHIP CoP</b>	R. MISCHJE JOHN
<b>2.1: ADAPTATION PARTNERSHIP</b>	R. MISCHJE JOHN	FACILITATE ADAPTATION PARTNERSHIP CoP	R. MISCHJE JOHN
CONDUCT ADAPTATION PARTNERSHIP WORKSHOPS	R. MISCHJE JOHN	DEVELOP AP MATERIALS	D. TEPLY / N. FERM
CLIMATE CHANGE AND SECURITY WORKSHOP	R. MISCHJE JOHN		

<b>ACTIVITY 3.1: CLIMATE RESILIENT PROGRAM DESIGN</b>			
SUPPORT PREPARATION OF NATIONAL ADAPTATION PLANS (NAPS)	P. SCHULTZ		
DEVELOP AND PILOT FAST TRACK IMPLEMENTATION CONCEPT	Y. KIM		
	P. SCHULTZ		
<b>ACTIVITY 3.2: HIGH MOUNTAIN AND GLACIAL WATERSHED PROGRAM</b>			
<b>3.2: HIGH MOUNTAIN AND GLACIAL WATERSHEDS</b>	G.ANDERSON		
DEVELOP THE GLOBAL HIGH MOUNTAIN GLACIAL LAKE PARTNERSHIP CoP	MEGHAN HARTMAN		
DESIGN AND CONDUCT THE CLIMBER-SCIENTIST SMALL GRANT COMPETITION	CoP SECRETARIAT / THE MOUNTAIN INSTITUTE / THE UNIVERSITY OF TEXAS AT AUSTIN		
ESTABLISH THE CLIMBER-SCIENTIST SMALL GRANTS COMPETITION	CoP SECRETARIAT - TMI/UT		
IMPLEMENT CoP PILOT PROJECTS AND RESEARCH	TMI/UT		
NEPAL RECONNAISSANCE	TMI/UT		
PERU RISK PERCEPTION ASSESSMENT	TMI/UT		
CoP WORKSHOP PLANNING	TMI/UT		
PREPARATION OF MAINSTREAMING PAPER	M. HARTMAN		
<b>ACTIVITY 3.3: CLIMATE SERVICES PARTNERSHIP</b>			
<b>3.3: CLIMATE SERVICES</b>	G.ANDERSON		
COORDINATE ACTIVITIES OF THE CLIMATE SERVICES PARTNERSHIP	FERNANDA ZERMAGLIO		
COMPILE AND DISSEMINATE CURRENT CLIMATE SERVICES KNOWLEDGE	S. ZEBIAK		
CONDUCT CASE STUDIES AND ASSESSMENTS OF CLIMATE SERVICES	INTERNATIONAL RESEARCH INSTITUTE FOR CLIMATE AND SOCIETY STAFF		
ECONOMIC VALUATION OF CLIMATE SERVICES	IRI STAFF		
CLIMATE INFORMATION GUIDE BOOK	G.ANDERSON		
PILOT NATIONAL-LEVEL CLIMATE SERVICES ANALYSIS	IRI STAFF		
DEVELOP CLIMATE SERVICES PRODUCT FOR AGRICULTURAL SECTOR	S. ZEBIAK/IRI		
CLIMATE SERVICES TECHNICAL BACKSTOPPING OF DEVELOPMENT PROGRAM	S. ZEBIAK/IRI		
<b>ACTIVITY 3.4: CLIMATE-RESILIENT INFRASTRUCTURE SERVICES PROGRAM</b>			
IDENTIFICATION OF PILOT CITIES	P. SCHULTZ		
PROVIDE CRIS SUPPORT TO PILOT CITIES TO ACCELERATE CLIMATE RISK MANAGEMENT	J. POTTER		
DESIGN AND IMPLEMENT A SMALL GRANTS PROGRAM TO SUPPORT LOCAL FAST TRACK IMPLEMENTATION	J. POTTER		
FACILITATE GLOBAL CITY-TO-CITY INFORMATION EXCHANGE TO MULTIPLY SUCCESSFUL CLIMATE RISK MANAGEMENT	J. POTTER		
EVALUATE CRIS ACTIVITIES AND RECOMMEND NEXT STEPS	J. POTTER		





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