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QUARTERLY REPORT

CLIMATE CHANGE RESILIENT DEVELOPMENT

QUARTERLY IMPLEMENTATION REPORT

FISCAL YEAR 2015 – QUARTER TWO



April 10, 2015

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QUARTERLY IMPLEMENTATION REPORT

JANUARY 2015 TO MARCH 2015

IQC CONTRACT NO. AID-EPP-I-00-04-00024

TASK ORDER NO. AID-OAA-TO-11-00040

APRIL 10, 2015

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ACRONYMS

ACMAD	African Centre of Meteorological Application for Development
ACRD	Advancing Climate-Resilient Development
ADN	Santo Domingo National District (Ayuntamiento del Distrito Nacional)
ALM	Adaptation Learning Mechanism (website)
AP	Adaptation Partnership
CAASD	Corporacion del Aque ducto y Alcantarillado de Santo Domingo (Corporation for Water and Sewer of Santo Domingo)
CCRD	Climate Change Resilient Development Task Order
CDCS	Country Development Cooperation Strategy
CEDEPAS	El Centro Ecu m é n i c o de Promoción y Acción Social
CGIAR	Consultative Group on International Agricultural Research
CONDES	National Sustainable Development Council
CoP	Community of Practice
COP	UNFCCC Conference of the Parties
COR	Contract Officer’s Representative
CRD	Climate Resilient Development
CRIS	Climate Resilient Infrastructure Services Program
CSP	Climate Services Partnership
DBMS	Database Management System
Engility-IRG	International Resources Group/Engility
FES	Foundation for Ecological Security
FTI	Fast-Track Implementation
FY	Fiscal Year
GCC	Global Climate Change
GFCS	Global Framework for Climate Services
GLOF	Glacial Lake Outburst Flood
GUC	Grants Under Contract
HiMAP	High Mountain Adaptation Partnership
ICC	Institute for Climate Change research (Guatemala)
ICCS4	Second Fourth International Conference on Climate Services

ICF	ICF Incorporated, LLC
ICT	Information and Communication Technology
IDDI	Instituto Dominicano de Desarrollo Integral
IEDRO	International Environmental Data Rescue Organization
INGC	National Institute of Disaster Management (Mozambique)
IQC	Indefinite Quantities Contract
IRAP	International Research Institute for Climate and Society
IRI	International Research Institute for Climate and Society
IT	Information Technology
JMS	Jamaica Met Service
KM	Knowledge management
LAPA	Local Adaptation Plan for Action
M&E	Monitoring and evaluation
MKM	Milieukontakt Macedonia
NAP	National Adaptation Plan
NARC	Nepal Agriculture Research Council
NDRI	Nepal Development Research Institute
NGO	Non-governmental organization
NOAA	National Oceanic and Atmospheric Administration
NSRI	National Space Research Institute (Kazakhstan)
NTNC	National Trust for Nature Conservation
PAD	Project Appraisal Document
PMP	Performance Management Plan
Q2	Quarter Two
RMIT	Royal Melbourne Institute of Technology
SNIP	National System of Public Investment (Peru)
SUNY	State University of New York
TA	Technical assistance
TDY	Temporary Duty
TERI	The Energy and Resources Institute
TMI	The Mountain Institute
UNC	University of North Carolina at Chapel Hill
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
V&A	Vulnerability and Adaptation
Water II IQC	Integrated Water and Coastal Resources Management Indefinite Quantities Contract
WG	Working Group
WIO	Western Indian Ocean
WIOMSA	Western Indian Ocean Marine Science Association
WMO	World Meteorological Organization
WVU	West Virginia University
WW	Weather Wizards
YMCI	Yayasan Mercy Corps Indonesia

A. INTRODUCTION

This report summarizes the activities undertaken by the consortium led by International Resources Group (Engility-IRG) during the quarterly reporting period of January 2015 – March 2015, 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 Performance Management Plan (PMP) report, small grants report, and financial report are provided as Annexes. The remaining sections are divided into four sections: 1) Project Management; 2) Objective One activities; 3) Objective Two activities; and 4) Objective Three activities.

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

Project Management, Planning, and Evaluation:

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

Task PM-7 Implement Grants Under Contract (GUC) 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 1.2.3 Support the United Nations Development Programme (UNDP) Adaptation Learning Mechanism Website

Task 1.3.1 Provide Capacity Building Support on Mainstreaming V&A

Task 1.3.4 Provide support for USAID Integration Pilot in Kazakhstan

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

Task 3.1.1 Support Preparation of National Adaptation Plans (NAPs)

Task 3.2.2 Develop the High Mountain Adaptation Partnership's (HiMAP) Community of Practice

Task 3.2.4 Implement Community of Practice (CoP) Pilot Projects and Research

Task 3.3.2 Coordinate Activities of the Climate Services Partnership (CSP)

Task 3.3.5 Economic Valuation of Climate Services

Task 3.3.7 National/Regional-level Climate Services Development

Task 3.4.2 Climate Resilient Infrastructure Services Program (CRIS) Support to Pilot Cities to Accelerate Climate Risk Management

Task 3.4.4 Global City-to-City Information Exchange

Task 3.4.5 Provide Information and Technical Resources to USAID Staff

Task 3.4.6 Evaluate CRIS Activities and Recommend Next Steps

This report and all reports and presentations drafted and/or finalized during the second quarter of Fiscal Year (FY) 2015 are provided to United States Agency for International Development (USAID) through the internal site: www.ccrdproject.com.

B. PROJECT MANAGEMENT, PLANNING, AND EVALUATION

Project management activities during the second quarter of FY15 focused on hosting the USAID Advancing Climate-Resilient Development (ACRD) and implementing CCRD small grants.

TASK PM-6 DEVELOP AND DISSEMINATE CCRD KNOWLEDGE MANAGEMENT PRODUCTS

USAID Advancing Climate-Resilient Development Symposium

The CCRD communications team, along with leadership from Chief of Party Glen Anderson and other CCRD partners, collaborated with the USAID Global Climate Change (GCC) Office to develop, plan, and host the USAID *Advancing Climate-Resilient Development Symposium* on March 16-19, 2015. With GCC leadership from Contract Officer's Representative (COR) Jonathan Cook and former COR John Furlow, who is on detail at the United States Department of State, nearly 350 people participated online and in-person at the four-day event in Washington, D.C. The Symposium brought together climate change adaptation and international development experts and decision-makers to: 1) share lessons learned from USAID's Climate Change Resilient Development (CCRD) project, 2) exchange adaptation-related approaches and experiences, and 3) identify new ways to advance climate-resilient development around the world.

Attendees of the Symposium included a range of U.S. Government (USG) agency staff, international development practitioners, NGOs, and international speakers from countries such as Costa Rica, Macedonia, Peru, and Vietnam. Distinguished guests at the U.S. Department of State event included Rear Admiral Jonathan White, Navy Task Force Climate Change Director; Captain James Goudreau, Navy Acting Deputy Assistant Secretary; and Brigadier General Stephen Cheney, American Security Project Chief Executive Officer. The Symposium hosted 50 speakers throughout the week, and sessions were held at the Wilson Center, United States Department of State, Cosmos Club, and Carnegie Endowment for International Peace.

USAID's Climate-Resilient Development Framework (click here for [PDF](#)), developed under the CCRD project, was discussed during the Symposium launch Monday, March 16, at the Wilson Center, where a number of presenters reviewed the Framework and its various sectoral annexes. Following Monday's sessions, the remainder of the Symposium includes themed events focusing on the global Adaptation Partnership ([AP](#)), the High Mountains Adaptation Partnership ([HiMAP](#)), urban climate resilience, and [Climate Services](#). CCRD projects have included AP Workshops in Thailand, Costa Rica, and Nepal; glacial lake management and local adaptation planning in Nepal and Peru (HiMAP); Climate Resilient Infrastructure Services in the Dominican Republic, Peru, and Mozambique, and the Climate Impacts Decision Support Tool in Vietnam (urban); and climate services-related reports, partnerships, and country assessments in Mali and Senegal (Climate Services).

Analytics from the symposium social media include 299 tweets, 19 tweeters, and 31,624 combined followers of tweeters.

A webpage was set up for those interested to receive CCRD project updates including monthly invitations to the Adaptation Community Meeting (<http://www.ccrdproject.com/subscribe>). Several deliverables will come

out of the Symposium, including an in-depth assessment report, archived files of all session notes, photos, video, and webinars throughout the event. Follow-up will be distributed to the Adaptation Community with several resources from the Symposium.

Dissemination of Knowledge Management Products

In preparation for the USAID Symposium, the CCRD communications team, led by Communications Manager Michael Cote, finalized several technical reports and Climate Resilient Development Framework sectoral-specific annexes. Deliverables finalized during the quarter are listed in the chart below.

Additionally, to streamline the CCRD Library, a new CCRD Roadmap was implemented to the project management website with assistance from Stratus Consulting (<http://www.ccrdproject.com/ccrd-library>). The final year of the CCRD project included a communications goal within the CCRD Communications Framework to “influence relevant adaptation audiences to consider and adopt the CRD approaches created by CCRD and, secondarily, to create a legacy of the CCRD project as a whole.” Packaging all Knowledge Management (KM) products through CCRD’s streamlined process and sharing with the adaptation community – such as at the USAID Advancing Climate-Resilient Development Symposium – is in direct response to these goals. In addition to continuing to disseminate products across external adaptation and development networks, CCRD deliverables will be hosted within a new USAID GCC website, Climatelinks.org. CCRD collaborated with the Climatelinks team led by GCC’s Amy Daniels at the Symposium to assist with spreading the word about the April soft launch as well as registering 200 people to participate in the beta testing.

TASK PM-7 IMPLEMENT GRANTS UNDER CONTRACT PROGRAM

The CCRD project management team has begun the process of closing out all small grants, with the exception of a few that are still being implemented (below). Formal guidance on closeout including monitoring and evaluation, preparing files for audit, and financial closeout was created and disseminated to project staff. Activities over the last quarter and until project close will consist primarily of collecting final deliverables, conducting field audits of existing and recently completed grants, and preparing files for audit. Of the grants that are still being implemented the following activities took place in the last quarter:

University of Colorado Boulder (I): The team spent the last few months working with the CCRD team and USAID to identify a USAID project or mission to pilot the infrastructure tool. From this review, it was the goal that the team would be able to implement any changes required, or go directly to a field trial with end-users. Based on discussions with USAID it was decided to forgo the testing since the period of performance ends at the end of April and rather build on the working program started last summer in Central America. The team will still present the demo to USAID and discuss opportunities for collaboration following the CCRF program.

Royal Melbourne Institute of Technology (RMIT) University: A multi-disciplinary team from RMIT University, Melbourne, in collaboration with two Pacific port authorities in Fiji and Papua New Guinea, Swire Shipping, and climate data providers, completed this USAID-funded resilience project in 2014. An extension of the project has been granted to end April 2015. The extension was granted to: 1) Scope the data availability for extension of the tool, 2) Build relationships with local data providers such as Island Met Services, and engage with CSIRO in order to access new Climate Futures data for the proposed new case study areas, and 3) Initiate discussions with World Bank, ADB, the Secretariat of the Pacific Community, and other identified potential funders, about project extension funds and the hosting of the tool to ensure its regional profile and sustainability. Tasks completed this quarter included: 1) Book chapter finished with reviewers comments incorporated, and final draft sent to editors, 2) RMIT eResearch team ensured that the CSS-Pacific tool is running smoothly and established secure (through 2015) housing for tool online, 3) final report was prepared to be sent to all stakeholders and potential future funders, 4) Work on a framework for local climate data has commenced and will be completed by

end of March, and 5) ongoing discussions with potential future funders (ADB, World Bank, PIANC Environmental Commission, DFAT Australia) regarding extension of the tool to whole of Pacific

University of Colorado Boulder (II): The team is continuing analysis of data from structured and non-structured observation. This includes data from local scale observation (conducted during 12 weeks spent in two villages in Monduli and Longido Districts between July – December 2014) and from national scale observation (conducted during attendance of multi-day adaptation planning meetings and participatory mapping exercises involving district government officials and representatives from national offices, agencies, and ministries, local, national, and international NGOs, as well as at an international climate conference attended by Tanzanian government officials, civil servants, scientists, NGOs, and a range of other stakeholders from April – December 2014). In the second quarter of 2015, all deliverables have been received and the grant is in the process of being closed out.

Nepal Development Research Institute: A two-day workshop and follow on five-day training on utilizing met-data to develop agro-advisories services in Nepal was held from January 4-10 in Kathmandu, Nepal. The workshop included 32 participants from different government, non-government, and private sectors of Nepal and India. The objective of the two events was to share knowledge and experience in the identification and production of agro-advisories. The subsequent training had 18 participants and focused on technical assistance from Indian experts on utilizing data and information from hydro-met departments to produce country specific advisories.

Roving seminars were also conducted from January 25-28 in the four selected pilot sites in Sinurjoda and Bananiya. The goal of the seminars was to inform farmers of the project and its importance, introduce the mechanism through which they will receive agro-advisories, and collect feedback on their preference for crop types and messaging during the pilot stage.

The first agro-advisory was delivered on February 3, 2015 and sent to 100 farmers through SMS text service. Further advisories will be delivered over the next three months and then feedback will be again collected from farmers on how (if) those advisories affected decision making.

Science Foundation for Livelihoods and Development: The major activity in February in the 'Improving Climate Services for Farmers in Africa and South Asia (ICSFASA) project was the holding of the Asia Regional Workshop on February 2nd and 3rd in Pune, India. The workshop was attended by delegates from Farmers' Associations, climate scientists, universities, research institutions, academia, communication specialists, media and gender experts from Nepal, India and Africa.

During the month arrangements for holding the Third Project workshop due to take place in Addis Ababa is underway and this is the second major activity that will continue in March to be held in the third week of April 2015. The exact dates will be communicated soon to enable publicity and advance preparations.

A full report of the Africa Workshop held in Kampala, Uganda last year is being circulated to all stakeholders as is workshop outcomes and recommendations as the full report is prepared.

C.OBJECTIVE 1: SUPPORT FOR USAID MISSIONS AND BUREAUS

Under Objective 1, CCRD provides support for USAID Missions and Bureaus. During the second quarter of FY15, the CCRD team continued work on supporting annexes to the CRD Framework as well as provided support for the USAID integration pilot in Kazakhstan, including support for the development of a Geoportal within the National Space Research Institute. CCRD team members also traveled to Macedonia to continue work with Milieukontakt Macedonia (MKM) on better integrating climate resilient development into their Green Agenda process.

ACTIVITY 1.1 GUIDANCE, PILOTS, AND RESEARCH

TASK 1.1.1 REVISE VULNERABILITY AND ADAPTATION (V&A) MANUAL

The CRD Framework document was completed on March 24, 2014.

TASK 1.1.2 DEVELOP CLIMATE BRIEFS AND ANNEXES

During this quarter, the Coastal Annex was finalized and approved by USAID prior to the ACRD symposium. A final draft of the Governance Annex was delivered to USAID for approval. Ed Carr and the Stratus Consulting team began addressing comments from the USAID GCC office on the Marginal Populations Annex and a final external review draft is in preparation.

TASK 1.1.6 EVALUATION APPROACHES FOR ADAPTATION AS DEVELOPMENT

CCRD partners Stratus Consulting and ICF International developed a draft survey consisting of a series of questions that will help to capture practical lessons from CCRD activities, which can be applied to future adaptation projects. Specifically, the survey asks about the process CCRD activities used in scoping, assessing, designing, etc.; the way stakeholders were involved; and, importantly, what worked and what did not. The ultimate goal is to use the responses to produce a series of "how-tos" that can accompany the CRD framework. The team is awaiting feedback on the draft before producing a final version that will be distributed to activity leads.

ACTIVITY 1.2 INFORMATION, TOOLS, AND SCIENCE AND TECHNOLOGY

TASK 1.2.3 SUPPORT THE UNITED NATIONS DEVELOPMENT PROGRAMME (UNDP) ADAPTATION LEARNING MECHANISM (ALM) WEBSITE

Content and migration logs have been cleaned and Aten is now poised to complete the site including testing by May 2015.

ACTIVITY 1.3 TECHNICAL ASSISTANCE AND CAPACITY BUILDING SUPPORT

TASK 1.3.1 PROVIDE CAPACITY BUILDING SUPPORT ON MAINSTREAMING V&A

Green Agenda

In January 2015, CCRD team members Mukul Sharma and Charlotte Mack traveled to Skopje, Macedonia to assist the USAID-funded local NGO, Milieukontakt Macedonia, in revising their Green Agenda planning process and guidance manual to incorporate elements of the Climate-Resilient Development Framework to better address climate change concerns in municipal development plans. As the storyboards were being developed, the team became concerned with the way the CRD Framework had been incorporated into the revised Green Agenda. Rather than being integrated throughout the processes and building on existing commonalities between the two approaches, the CRD framework had been inserted into two steps in the middle of the existing process. Not only are there many organic synergies between the CRD Framework and the original Green Agenda but in its current form there were unnecessary overlaps within the process.

It was decided to re-think through how to better mainstream the CRD Framework into the Green Agenda for climate change. In response, they developed two different approaches for doing so. The team agreed that the focus of this trip should be to re-storyboard the Green Agenda to better integrate climate change. It was also agreed that the complementary trainings would be developed at a later date.

The team spent the remainder of the trip working with MKM staff to re-storyboard the Green Agenda in order to better represent both the CRD framework as well as the Low Emissions Development Strategy Framework. A large portion of the time was spent flushing out the specific stakeholders, activities, outputs, outcomes, and trainings at each step of the Green Agenda with Maja Markovska and Stole Georgiev. The revised storyboard was the ultimate deliverable of this trip.

The updated Green Agenda and supporting training modules will be completed in quarter three.

Advancing Climate-Resilient Development Symposium

During the March ACRD Symposium, MKM team members Igor Slavkoski, Aleksandar Karaev, and Vladimir Ognjanovski, presented as part of the monthly Adaptation Community Meeting series. MKM's often hilarious presentation began with background on the CCRD USAID/Macedonia collaboration from the first training with Nora Ferm in Macedonia up to Charlotte and Mukul's most recent trip this quarter. Alek then provided detail on what the Green Agenda is and its importance as a tool for increasing capacity of civil society and raising awareness around climate change issues at the local level in Macedonia. Most interestingly the group also presented on how small-size pilot projects have been a critical part of the Green Agenda in order to develop clear ownership among the communities, build trust, and motivate stakeholders to take further action.

TASK 1.3.3 SUPPORT DEVELOPMENT OF USAID'S FEDERAL AGENCY CLIMATE CHANGE ADAPTATION PLAN

In order to respond to Executive Order 13677: Climate-Resilient International Development, USAID has convened weekly meetings for a small working group and monthly meetings for a large working group to develop an approach for climate vulnerability screening of USAID planning and investments, including at the Country Development Cooperation Strategy (CDCS) and Project Appraisal Document (PAD) levels. During this quarter, CCRD partner ICF provided coordination support and technical input

to the initial discussions on screening entry points, required inputs, methodology, processes, actors, and monitoring and enforcement. Key deliverables include a survey of existing climate information that can be used as input, a schematic and summary matrix of the discussions' key results, and a detailed recommendation on the screening methodology.

TASK 1.3.4 PROVIDE SUPPORT FOR USAID INTEGRATION PILOT IN KAZAKHSTAN

During project year three of CCRD, staff Glen Anderson and Charlotte Mack met with staff from USAID, UNDP, and the National Space Institute to continue planning a collaboration to construct and operationalize a geoportal to support decision-making in agriculture and other sectors. SpatialDev, a small firm based out of Seattle, was competitively selected to carry out the development of the GeoPortal in collaboration with CCRD and the Kazakhstan National Space Research Institute (NSRI).

Mr. Jubal Harpster, along with Adam Roberts of SpatialDev, traveled to Almaty Kazakhstan for a five-day in-person meeting with the project team at the NSRI. Mr. Harpster met with several members of the project team including Yerlan Zhumabayev, Azamat Kauazov, and Firuz Ibragimov representing UNDP. Following brief introductions, the team walked through several relevant project examples demonstrating previous work that is closely aligned with the requirements for the new GeoPortal. Through exploration of the project examples and some live sites, the team was able to discuss the proposed geoportal.

The team spent a significant amount of time discussing critical success factors for Information Technology (IT) projects, including operating environments, maintenance plans, the desired end users, and most importantly, the source data. The team also discussed the importance of senior level management buy-in to the objectives of the project to be present at a larger meeting later in the week.

In early March SpatialDev provided designs for the mobile (farmer view) component of the GeoPortal along with the other components, such as the development server environment, cloud based server specifications, configured frameworks, and high level understanding of the security environment. The team at NSRI reviewed this information and provided feedback as needed.

During the quarter, the CCRD team also began preparations for a study tour for members of NSRI to visit Seattle to work with the SpatialDev team to fully understand the development of the GeoPortal. This would ensure that long after CCRD, NSRI would be able to troubleshoot and solve any issues that arise.

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

Under Objective 3, CCRD continued activities on the four emerging areas. The National Adaptation Plan (NAP) working group completed an academic submission on using CRD to help frame NAPs as well as provided technical assistance to GiZ (Deutsche Gesellschaft für Internationale Zusammenarbeit) and the government of Cambodia. Under The High Mountain Adaptation Partnership (HiMAP), work continued on mainstreaming the Local Adaptation Plan for Action (LAPA) in Nepal. The various working groups of the CSP made significant progress as well as hosted a study tour for Jamaican delegates in Uruguay. The CRIS program continued implementation activities in pilot cities in Peru, Dominican Republic, and Mozambique, including a study tour throughout Mozambique.

ACTIVITY 3.1 SUPPORT ADAPTATION PLANNING AND IMPLEMENTATION

TASK 3.1.1 SUPPORT PREPARATION OF NATIONAL ADAPTATION PLANS

The NAP working group submitted a manuscript in January on using climate resilient development to help frame national adaptation planning to the journal *Climate and Development*. The manuscript focuses on USAID's role in applying CRD to NAPs and describes how stakeholder workshops were used to initiate the NAPs process in Jamaica, West Africa, and Tanzania. CRD staff worked closely with USAID staff Jonathan Cook and John Furlow on drafting the manuscript.

Joel Smith and Jonathan Cook traveled to Phnom Penh, Cambodia February 17-27, 2015 to work with GiZ on support to the Cambodian government on national adaptation planning. USAID has provided financial support to GiZ for them to offer support to Cambodia on national adaptation planning. Mr. Smith and three staff from GiZ met with representatives from Cambodian national government ministries and other donors to identify interventions that GiZ could provide. It was agreed that support would be provided to the Ministry of Environment in:

- Providing technical support to the Ministry of Economy and Finance on integrating climate considerations into national planning and budgeting activities
- Supporting sustainable development planning by the national government
- Seeking funding from the Green Climate Fund

In addition, GiZ will pursue supporting the Ministry of Health in integrating climate change into its activities. This may focus on development of indicators to support monitoring and evaluation.

ACTIVITY 3.2 GLACIERS AND MOUNTAINS

TASK 3.2.2 DEVELOP THE HIGH MOUNTAIN ADAPTATION PARTNERSHIP'S COMMUNITY OF PRACTICE (CoP)

Daene McKinney made the presentation, *Investigating the Evolution of Imja Lake with Lake Expansion and Debris Covered Melt Models*, in January at the NASA-CAS workshop in Kathmandu, Nepal on.

Alton Byers made a presentation on the HiMAP to some 300 participants of the February 20-22, 2015 Entrepreneur's Organization Annual Meeting in Kathmandu. Alton also presented on three themes during the ACRD Symposium including the South/South Andean-Asian Mountains Global Knowledge Exchange at the State Department, Local Adaptation Plans of Action in Nepal and Peru, and an Introduction to the High Mountains Adaptation Partnership at the Woodrow Wilson Center.

TASK 3.2.4 IMPLEMENT CoP PILOT PROJECT AND RESEARCH

NEPAL REGIONAL LOCAL ADAPTATION PLAN FOR ACTION

Alton Byers and Shailendra Thakali continued to refine the Khumbu LAPA summary as per the directions of USAID. The final Nepali summary was published in Kathmandu on February 25, 2015. The English LAPA summary was prepared for publication using USAID formats and guidelines and disseminated throughout the ACRD symposium.

Daene McKinney, Alton Byers, and University of Texas (UT) Austin graduate student Amanda Cuellar completed and submitted the final draft of the Case Studies and Lessons Learned Technical Report: *HiMAP Local Adaptation Plans of Action: Case Studies and Lessons Learned in Nepal and Peru, Final Report*.

KHUMBU VALLEY GLACIAL LAKE OUTBURST FLOOD (GLOF) RECONNAISSANCE, RISK MODELING, AND COMMUNITY-BASED RISK MANAGEMENT AND MITIGATION

Final results of the enhanced GLOF model of Imja Lake are reported in the paper accepted for publication in the Hydrologic and Earth Science Systems. The paper is titled *Assessing Downstream Flood Impacts Due to a Potential GLOF from Imja Lake in Nepal*.

Daene McKinney and UT Austin graduate student David Rounce completed and submitted the final draft of the Imja Lake Hydrology Model Technical Report. The technical report is titled *Investigation of the Imja Glacial Lake Outburst Flood Risk and Potential Remediation Measures, Khumbu, Nepal, Summary Report*.

ACTIVITY 3.3 CLIMATE SERVICES

TASK 3.3.2 COORDINATE ACTIVITIES OF THE CLIMATE SERVICES PARTNERSHIP

Fourth International Conference for Climate Services (ICCS4): During this quarter, the English edition of the ICCS4 Conference Report has been completed and disseminated to the CSP community. Another edition, in Spanish, is also under preparation, and will be completed shortly. The CSP web team has also added information including photos, blog posts, and interviews with participants and speakers from ICCS4 to the CSP website.

Working Groups (WG): The WG on Climate Services Ethics has reviewed the findings of the parallel session on ethics at ICCS4 and is currently developing plans for next steps in the process of vetting the white paper with the broader climate services stakeholder communities. The group is anticipating additional findings of the Ethics Survey, which was distributed this quarter, and in the process of being analyzed. During the next quarter, a survey findings report will be produced. With this input, the WG may undertake revisions to the white paper and will then approach targeted individuals/institutions for more in-depth review and feedback, all of which will guide the further revision of the paper. Ultimately, the white paper is intended to catalyze a process advanced through the Global Framework for Climate

Services (or other relevant professional bodies) on the development of community standards/guidelines on climate services ethics.

The WG on Research Priorities has discussed themes and conclusions coming from a survey issued in the last months of 2014. The group will draft a paper that can be distributed this year.

The WG on Evaluation has drafted a paper that compares the various climate service evaluations supported under CCRD, identifies gaps and lessons learned, and offers suggestions for where future work on climate service evaluation should focus. This paper is expected to be completed in the upcoming quarter.

Secretariat Activity: During this period, the eighth edition of the CSP Newsletter was developed and is currently targeted for distribution in early April 2015. CSP Newsletters are now being distributed to over 2,000 recipients on an ongoing basis.

The CSP was represented through Steve Zebiak and Cathy Vaughan at the ACRD Symposium. Zebiak presented on the Adaptation Partnership contributions to climate services, and its role in shaping the CSP and Vaughan presented on the CSP work on climate services evaluation, and case studies. In addition, Lisa Goddard summarized CCRD-supported work in the International Research and Applications (IRAP) project, and Walter Baethgen provided the keynote presentation for the climate services sessions.

During this period, the CSP secretariat held consultations with several partner organizations, including National Oceanic and Atmospheric Administration (NOAA), Global Framework for Climate Services (GFCS), World Bank, Red Cross, USAID, Climate Development Knowledge Network, and German Foreign Ministry, regarding future CSP activities that might be sustained following the completion of CCRD. We further dedicated a CSP Coordinating Group call – held January 23, 2015 – to this subject. From these discussions (in addition to the findings from ICCS4 on the subject), specific CSP work areas having especially high value to our members were identified, and a number of suggestions were made for future collaborations.

TASK 3.3.5 ECONOMIC VALUATION OF CLIMATE SERVICES

CCRD is collaborating with the World Meteorological Organization (WMO) and the World Bank to prepare a publication on valuing the benefits of climate services titled *Valuing Weather and Climate: Economic Assessment of Meteorological and Hydrological Services*. During the reporting period, the publication's lead editor, Glen Anderson, and technical editor, Jamie Carson, prepared the final version for submission to WMO for production and translation. The book will be released to the public during the World Meteorological Congress in Geneva in May 2015.

Glen Anderson and Jeff Lazo (NCAR), along with two trainers funded by the WMO conducted a training workshop on the design of socio-economic benefits studies on met/hydro services. The one-week training workshop was convened in St. Johns, Antigua & Barbuda from February 23-27, 2015. Workshop participants included representatives of National Meteorological Services in Honduras and 13 Caribbean countries.

TASK 3.3.7 NATIONAL/REGIONAL-LEVEL CLIMATE SERVICES DEVELOPMENT

Subtask 3.3.7.4 National-level Climate Services development in Jamaica

Glenroy Brown of the Jamaica Met Service presented at the ACRD Symposium on the Jamaica agricultural climate services initiative and the drought forecasting tools developed under this program.

A Jamaica delegation was supported to participate in a study tour to Uruguay on March 9-12, 2015. The delegation included Jacqueline Spence (Jamaica Met. Service), Vaughn Barnaby (Rural Agriculture

Development Authority), Michelle Sherwood (Ministry of Agriculture and Fisheries), and Dianne Dormer (ACDI-VOCA, self-funded). With support from IRI (led by Walter Baethgen), the tour provided an opportunity to meet with the Ministry of Livestock, Agriculture and Fisheries, the National Institute of Agricultural Research, the Meteorological Service, as well as farm field visits. Through these exchanges, a variety of policy issues, technical programs, and products were discussed, along with opportunities for further discussion and collaboration.

Finally, IRI led work to scope an assessment of the Jamaica agricultural climate services program (to be supported under the ongoing IRAP project). Cathy Vaughan developed a draft assessment template and visited partners in Jamaica to refine objectives and plans. A plan is currently being developed to conduct an evaluation beginning in the summer of 2015, with guidance around the general monitoring and evaluation that the working group should administer to continue to evaluate the efficacy of the drought tool moving forward.

ACTIVITY 3.4: CLIMATE RESILIENT INFRASTRUCTURE SERVICES PROGRAM

Task 3.4.2 CRIS Support to Pilot Cities to Accelerate Climate Risk Management

In FY15 Q2, CCRD partners ICF International and Cascadia Consulting worked with five pilot cities in Mozambique, Peru, the Dominican Republic, and Vietnam. The work in Mozambique, Peru, and the Dominican Republic focused on implementation of the CRD Framework and CRIS tools, generating momentum through peer learning, and developing Action Plans to guide future work. In Vietnam, Cascadia begin drafting a sustainable maintenance mechanism for the Vietnam Climate Impacts Decision-Support Tool (CIMPACT-DST).

More specific information on each of the pilot cities' activities follows.

Peru

Piura

A TDY to the Municipality of Piura took place from March 1-10, 2015 focusing on briefing and engaging the new administrations of the Municipality and the Regional Government of Peru, and advancing implementation of CRIS tools. The trip also initiated the next phase of work, which will be conducted with additional support from USAID/Peru through a buy-in to the CCRD contract.

The team met with Piura's new mayor, Oscar Miranda Martino (who took office January 1, 2015) and key staff. The mayor expressed active support of the program and designated a new point of contact, Oscar Ibañez. The team also met with the Infrastructure Manager of the Regional Government of Piura, Ing. Civil Richard Rafael Lescano, to discuss coordination between the Regional Government and the work being done within the Municipality of Piura.

The team also met with experts and senior municipal staff involved in the implementation of Peru's National System of Public Investment (SNIP) to better understand national guidance released in December 2014 by the Ministry of Finance that requires climate risk to be addressed in all project proposals for public funding. Drawing on tools developed to support the Piura pilot, technical support will be provided to the Municipality of Piura in developing their procedures to comply with this requirement.

The team disseminated the initial Climate Information Database to municipal offices and oriented staff on its use to inform departmental decisions. Municipal staff members will be tracking their comments on the tool and provide feedback to the team on suggested improvements/refinements.

The team agreed on three work streams and objectives for the next phase of work with the Municipality of Piura:

1. **Public Investment Process:** Demonstrate a replicable methodology for considering climate change in project profile studies that are developed for approval under SNIP; provide feedback to revise tools for application in SNIP profile studies to meet climate change requirements. Municipal staff members worked with the team to identify a “base case” project to test the application of the CRIS tools and implement necessary revisions.
2. **Programs, Operations, and Policy:** Increase climate resilience of municipal obras, programs, and services by applying tools; identify and support opportunities for policies and guidance that support climate resilient infrastructure services.
3. **Climate Information:** Advance the climate information database interface and supporting data for specific municipal decisions and processes.

Trujillo

The team has maintained communications with the Municipality of Trujillo, and has re-established a Point of Contact in the new municipal administration, which came into office during January 2015. During the teams’ visit to Peru in March 2015, they coordinated with the USAID/Peru Mission regarding next steps with Trujillo. The Mission subsequently talked with Sr. Francisco Huerta, General Manager of Metropolitan Transportation in Trujillo, and confirmed that the Municipality is interested in continuing work with the CRIS program, pending the anticipated buy-in.

During the next quarter, the the synthesis of lessons learned from Trujillo as part of the CRIS lessons learned report will be finalized.

Dominican Republic

Santo Domingo

Analysis of existing regulations for the Corporacion del Acueducto y Alcantarillado de Santo Domingo (CAASD) with respect to the development of climate change requirements for contractors continued to be developed. The last trip will be held next quarter, from April 6-10, 2015 and will focus on establishing a plan for CAASD to consider incorporating climate change considerations into requirements or terms and conditions for contractors involved in water infrastructure design. This final trip will close out the pilot activities in the National District.

Mozambique

Nacala-Porto

The major event of this quarter was a study tour that brought together seven municipal stakeholders from Nacala-Porto, Quelimane, and Pemba to facilitate peer interaction and knowledge sharing about climate change adaptation at the municipal level. The study tour included stops in Quelimane, Beira, and Maputo, Mozambique, from February 23-27, 2015. Support was received from local coordinator, Momade Amade, and technical expert, Dr. Antonio Queface, in organizing and conducting the trip.

While in Quelimane and Beira, the study tour group met with municipal representatives and NGOs to share experiences regarding climate-related development challenges and opportunities and to participate in site visits of on-the-ground climate impacts and implemented adaptation measures. While in Maputo, the study tour group met with the National Sustainable Development Council (CONDES) to understand the council’s role in the national-level climate change adaptation and opportunities for collaboration. The tour also met with a group of international donors at the UNDP’s monthly Environment and Climate

Change Working Group meeting to present on the local climate-related context in Nacala-Porto and the municipality's experience participating as a pilot city. Finally, the group attended a demonstration of the USAID Coastal City Adaptation Project's early warning SMS system. In the next quarter, the study tour report will be finalized, summarizing the activities and outcomes of the study tour and communicate next steps identified by the participants.

Following the study tour, the team traveled to Nacala-Porto to meet with municipal leadership, facilitate a discussion on action planning, and meet with the Mozambique CCRD small grant recipient. An action planning working session was held, during which representatives from the Municipality of Nacala-Porto, local NGOs, and the National Disasters Management Institute (INGC) identified and prioritized activities to be undertaken following the completion of the pilot program. Nine activities were prioritized, including: creating a network of municipalities to facilitate the exchange of climate resilience best practices and lessons learned, conducting more trainings in the municipality on climate resilience concepts, and positioning the municipality to access funding for climate risk reduction activities.

In the upcoming quarter, the Nacala-Porto's Action Plan for post-CRIS activities will be finalized and delivered to the municipality. The team will also send study tour participants, host cities, and participating organizations a synthesis report of key findings, outcomes, and next steps. Where possible, other materials, such as those from the climate financing writeshop held in November 2015, will be shared with interested cities and organizations.

Vietnam

In FY15 Q2, CCRD partner Cascadia worked with local partner Vietnam Institute for Urban-Rural Planning (VIUP) to begin drafting a sustainable maintenance mechanism for the CIMPACT-DST tool. In 2014, CIMPACT-DST was customized, disseminated, and applied to several urban planning projects, and in 2015 efforts are focused on helping our Vietnamese partners explicitly plan for tool use, maintenance, updating and expansion after CCRD ends.

Cascadia and VIUP also began planning for several upcoming meetings and trainings in Hanoi. The meetings will allow community and government stakeholders to vet and refine the proposed sustainable tool update and maintenance mechanism. The trainings are scheduled to take place in 6 new provinces that have not previously received targeted trainings on CIMPACT-DST, and the goal is to continue building support and disseminating use of the tool for urban planning activities throughout the country.

TASK 3.4.3 FAST TRACK IMPLEMENTATION SMALL GRANTS PROGRAM

CCRD partner ICF continued implementation of the CRIS small grants program in FY15 Q1. This involved the following key accomplishments:

- Completed final close-out activities for Yayasan Solo Kota Kita.
- Coordinated close-out activities for two other CRIS grantees, TERI (India) and IDDI (Dominicans Republic). Final close-out activities are expected to be completed in FY 2015 Q3.
- Continued monitoring grants implemented by CEDEPAS, a Peruvian NGO, in Piura, Peru and ACIEGERS, a Mozambican social development NGO in Nacala-Porto, Mozambique.

TASK 3.4.4 GLOBAL CITY-TO-CITY INFORMATION EXCHANGE

Peer Learning Activities

This quarter, the CRIS program implemented the peer learning study tour in Mozambique. Details on the study tour are covered in Task 3.4.2 as part of the Nacala-Port pilot.

Two abstracts submitted on the CRIS program were accepted for presentation at ICLEI's 2015 Resilient Cities Congress. The two sessions accepted were: "Financing Resilience: What Can We Do to Support City-level Adaptation" and "Climate-Resilient Development: Lessons in Urban Infrastructure from Four Cities." These sessions will take place at the Congress in Bonn, Germany on June 8 to 10, 2015. The CRIS team will prepare for and conduct these sessions in FY15 Q3.

TASK 3.4.5 PROVIDE INFORMATION AND TECHNICAL RESOURCES TO USAID STAFF

This quarter, CCRD partner ICF developed a draft memorandum summarizing the outcomes and differences from playing *Accelerating Adaptation* – the game developed as part of the Climate Resilient Infrastructure Services (CRIS) program – in Peru, in Macedonia, and at the USAID Infrastructure workshop in Washington, DC. The memo highlights differences between playing the game with representatives from USAID Missions compared with representatives from USAID pilot cities. It also summarizes a series of lessons learned and potential next steps for continued use of the game. This memorandum is expected to be submitted in the next quarter along with final game materials (which includes detailed facilitation notes).

ANNEX I. CCRD PERFORMANCE INDICATORS AND ACHIEVEMENTS

During FY 2015-Q1, implementation activities supported nine performance indicators specified in the CCRD Performance Management Plan. Below is a summary of CCRD performance indicator achievements, 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). This indicator is the most stringently measured under CCRD. Measuring adaptive capacity requires an initial baseline assessment of the targeted capacity(ies) and a post-intervention assessment. Due to the need for post-intervention assessment and follow-up, some interventions are not reported until a later reporting period.

- (1) No data to report this quarter

Indicator #2: Number of stakeholders receiving training in climate change supported by USG assistance (Person-hours of training completed in climate change supported by USG assistance). Training is defined as a learning activity involving 1) a setting intended for teaching or transferring knowledge, skills, or attitudes; 2) formally designated instructors or lead persons; 3) a defined curriculum, learning objectives, and outcomes. Meetings or other efforts that could have educational value but do not have a defined curriculum or objectives are not considered training.

- (1) IRI Jamaica Delegation in Uruguay Study Tour (3 people, 1 man, 2 women, 60 hours of training, 20 hours of training for men, and 40 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.

- (1) Agreement of cooperation between the Nepali Development Research Institute and Nepal Agricultural Research Council for the agro-advisory services program in the Dhanusha District

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. 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.

World Meteorological Organization (\$12,000)

- (1) Funding for two WMO trainers as well as participation of a handful of participants for the workshop on the design of socio-economic benefits studies on met/hydro services. The one-week training workshop was convened in St. Johns, Antigua & Barbuda from February 23-27, 2015.

Indicator #5: Number of institutions with improved capacity to address climate change issues as a result of USG assistance. Measuring improved institutional capacity requires an initial baseline assessment of the targeted capacity(ies) and a post-intervention assessment. Due to the need for post-intervention assessment and follow-up, some interventions are not reported until a later reporting period.

Support for indicator #5 resulted from two workshops/trainings:

- (1) *14* institutions including Honduran Institute of Earth Sciences, Honduran National Emergency Entity (COPECO), and Tres Valles (Sugar), along with many others following participation in Zamorano's blended learning training course of climate, water and development which integrates both climate and non-climate elements to determine water availability in the region. Training took place in December 2014 but assessed institutional capacity in Q2.
- (2) *Four* institutions (Nepal Agriculture Research Council, National Rice Research Institute, Nepal Department of Hydrology and Meteorology, and Upveda Technology) following participation in training on utilizing met-data to develop agro-advisories services in Kathmandu, Nepal. Topics included content sourcing and documentation, using IT mechanisms for dissemination of climate services, crop simulation models.
- (3) *Two* institutions (Jamaica Rural Agriculture Development Authority and Jamaica Ministry of Agriculture and Fisheries) following participation in the Uruguay study tour. Ministry reps met with stakeholders from the Uruguay Ministry of Livestock, Agriculture and Fisheries, the National Institute of Agricultural Research, the Meteorological Service, as well as farm field visits. Through these exchanges, a variety of policy issues, technical programs, and products were discussed, along with opportunities for further discussion and collaboration.

Indicator #6: Number of days of USG funded technical assistance (TA) in climate change provided to counterparts or stakeholders. Includes the transfer of knowledge and/or expertise by way of staff, skills training, research work and financing to support quality of program implementation and impact, support administration, management, representation, publicity, policy development and capacity building. Generally, workshops/meetings that are not counted under Indicator #2 (climate change training) are included here.

- (1) *14* days of TA for Charlotte Mack and Mukul Sharma for assist the USAID-funded local NGO, Milieukontakt Macedonia, in revising their Green Agenda planning process and guidance manual to incorporate elements of the Climate-Resilient Development Framework to better address climate change concerns in municipal development plans.
- (2) *10* days of TA for Jubal Harpster and Adam Roberts of SpatialDev for in-person meetings in Almaty, Kazakhstan with the project team at the Kazakhstan National Space Research Institute. The team walked through several relevant project examples demonstrating previous work that is closely aligned with the requirements for the new GeoPortal. Through exploration of the project examples and some live sites, the team was able to discuss the proposed geoportal.
- (3) *Eight* days of TA for Joel Smith work with GiZ on support to the Cambodian government on national adaptation planning. USAID has provided financial support to GiZ for them to offer support to Cambodia on national adaptation planning. Mr. Smith and three staff from GiZ met

with representatives from Cambodian national government ministries and other donors to identify interventions that GiZ could provide.

- (4) *Six* days of TA for John Snyder and Molly Hellmuth for participation in study tour sessions to promote peer learning on climate resilience with the Municipalities of Nacala-Porto, Pemba, Quelimane, and Beira; international donors, and central government agencies.
- (5) *Two* days of TA for John Snyder and Molly Hellmuth for working sessions with the Municipality of Nacala-Porto to develop an Action Plan for the continuation of climate resilience activities following the end of the CCRD program.
- (6) *Two* days of TA for Joanne Potter and Judsen Bruzgul for working sessions with staff of the Municipality of Piura to download and orient staff to the Climate Information Database framework, to understand the CRIS tools, and to develop an agreed approach to implement and refine the tools to address SNIP requirements.
- (7) *One* day of TA for Joanne Potter and Judsen Bruzgul for working sessions with staff of the Municipality of Piura to orient new managers to the CRIS program and tools.

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

- (2) No data to report this quarter

Indicator #8: Number of climate vulnerability assessments conducted.

- (3) No data to report this quarter

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

The Climate Services Partnership established five new contacts. For a list of contact names and emails please refer to Cathy Vaughan at IRI cvaughan@iri.columbia.edu.

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

- CCRD Project Website: 464 (FY15-Q1) and 2,235 users (FY15-Q2)
- Climate Services Partnership: 1,908 (FY15-Q1) and 1,530 users (FY15-Q2)
- High Mountain Adaptation Partnership: 1,103 (FY15-Q1) and 1,095 users (FY15-Q2)
- Central America Climate Resilient Agriculture: 19 (FY15-Q1) and 10 users (FY15-Q2)
- Adaptation Partnership: 910 (FY15-Q1) and 1,076 users (FY15-Q2)

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

- (1) No data to report this quarter

CCRD Performance Indicators and Achievements

#	Indicator	Unit	FY 2012 Actuals	FY 2013 Actuals	FY 2014 Actuals	Achievement – FY 2015					CCRD Cumulative FY 2012 – FY 2015	
						FY 2015 Targets	QTR 1	QTR 2	QTR 3	QTR 4		FY 2015 Total
1	Number of stakeholders with increased capacity to adapt to the impacts of climate variability and change as a result of USG assistance (mandatory for Adaptation funding) MEN	Number	48	4	113	70	0	0				165
	Number of stakeholders with increased capacity to adapt to the impacts of climate variability and change as a result of USG assistance (mandatory for Adaptation funding) WOMEN	Number	9	0	39	30	0	0				48
2	Number of people receiving training in climate change supported by USG assistance (Person-hours)	Number/ Hours	376/ 7,913	1,665/ 36,585.50	1,383/ 15,542	600/ 10,000	231/ 2,703	1/20				3,656/ 62,763.50

#	Indicator	Unit	FY 2012 Actuals	FY 2013 Actuals	FY 2014 Actuals	Achievement – FY 2015					FY 2015 Total	CCRD Cumulative FY 2012 – FY 2015
						FY 2015 Targets	QTR 1	QTR 2	QTR 3	QTR 4		
	of training completed in climate change supported by USG assistance) MEN											
	Number of people receiving training in climate change supported by USG assistance (Person-hours of training completed in climate change supported by USG assistance) WOMEN	Number/ Hours	148/ 2,736	890/ 21,311	931/ 11,459	300/ 5,000	136/ 2,240	2/40				2,107/ 37,786
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		11	8	9	2	1				23
4	Amount of investment leveraged in US dollars from private and	Dollars	\$440,000	\$804,425	184,388	\$420,000	\$114,000	\$12,000				\$1,554,813

#	Indicator	Unit	FY 2012 Actuals	FY 2013 Actuals	FY 2014 Actuals	Achievement – FY 2015					FY 2015 Total	CCRD Cumulative FY 2012 – FY 2015
						FY 2015 Targets	QTR 1	QTR 2	QTR 3	QTR 4		
	public sources, for climate change as a result of USG assistance											
5	Number of institutions with improved capacity to address climate change issues as a result of USG assistance	Number	272	386	104	14	11	20				807
6	Number of days of USG-funded technical assistance in climate change provided to counterparts or stakeholders	Days	171	141.50	325	120	43	43				723.50
7	Number of climate adaptation tools, technologies and methodologies developed, tested, and/or adopted as a result of USG assistance	Number	6	19	56	14	19	0				100
8	Number of climate vulnerability assessments conducted	Number	5	1	12	N/A	0	0				18

#	Indicator	Unit	FY 2012 Actuals	FY 2013 Actuals	FY 2014 Actuals	Achievement – FY 2015					FY 2015 Total	CCRD Cumulative FY 2012 – FY 2015
						FY 2015 Targets	QTR 1	QTR 2	QTR 3	QTR 4		
9	Number of people registering to participate in adaptation-related Communities of Practice	Number	80	349	644	N/A	137	5				1,215
10	Number of people logging on to/ accessing the adaptation-related websites supported with USG assistance	Number	7,687	9,908	24,744	N/A	N/A	10,350				52,689
11	Number of adaptation financing proposals benefitting from USG assistance	Number		3	5	N/A	0	0				8

ANNEX II. SMALL GRANTS

Name-Number	Title	Type	Amount	Status
Adam French (University of California, Santa Cruz): CCRDCS0001	Integrated and Participatory Risk Management in Peru's Lake Paron Glacier Basin	Climber-Scientist Small Grants (Individual Grant)	\$24,818	Closed
Ulyana Nadia Horodyskyj (University of Colorado (UC) at Boulder): CCRDCS0002	Quantifying Supraglacial Lake Changes: Contributions to Glacial Ice Volume Loss and Runoff Inputs to Rivers in Nepal and Tibet	Climber-Scientist Small Grants (Individual Grant)	\$31,527	Closed
Shah Raees Khan (University of Manitoba): CCRDCS0003	Understanding Vulnerabilities to Environmental Hazards in Mountain Areas: A Case Study of Climate Change Analysis on Livelihoods in Northern Pakistan	Climber-Scientist Small Grants (Individual Grant)	\$24,985	Retracted
Laura Read (Tufts University): CCRDCS0004	Tres Cuencas Commonwealth	Climber-Scientist Small Grants (Individual Grant)	\$25,962	Closeout process
Raúl Augusto Loayza Muro (Universidad Peruana Cayetano Herida): CCRDCS0005	Natural acid and metal leaching in Andean headwaters: an interdisciplinary approach to evaluate water quality and potential sources for remediation in a climate change context in the Cordillera Blanca (Peru)	Climber-Scientist Small Grants (Individual Grant)	\$24,997.60	Closeout process
ATREE (India-Nepal): CCRDCS0006	Climate change in Kanchenjunga TCA: Vulnerabilities and adaptive capacities	Climber-Scientist Small Grants (Institutional Grant)	\$93,700	Closeout process
The Research Foundation for the State University of New York (SUNY) (Mongolia-Altai): CCRDCS0007	Engaging Climber-Scientists and Indigenous Herders on Grazing and Climate Change Issues in the Altai Mountain Region of Mongolia	Climber-Scientist Small Grants (Institutional Grant)	\$99,655	Closeout process
Resources Himalaya Foundation (Nepal): CCRDCS0008	Building Climate Change Resilience Capacity of Mountain People in Nepal	Climber-Scientist Small Grants (Institutional Grant)	\$97,823.53	Closeout process
Geo-Science Innovations (Nepal): CCRDCS0009	Investigation of the Seti River disaster (May 5, 2012) and assessment of past and future mountain hazards facing Pokhara, Nepal and upstream communities	Climber-Scientist Small Grants (Institutional Grant)	\$100,000	Closeout process
Institute of Environmental Engineering (Eidgenössische Technische Hochschule ETH), Zurich, Switzerland: CCRDCS0010	Including the Sherpa Factor in Water Resources Projections in the Nepalese Himalaya	Climber-Scientist Small Grants (Institutional Grant)	\$99,590	Closeout process
Stephanie Spray (Harvard University): CCRDCS0011	Snow River Film Project	Climber-Scientist Small Grants (Individual Grant)	\$28,610	Closeout process
Private Institute for Climate Change Research	Develop a mechanism for Climate Change Technology Transfer for staple	Costa Rica Small Grants (Institutional Grant)	\$127,511.29	Closed out

Name-Number	Title	Type	Amount	Status
(ICC); part of the Guatemalan Sugar Association (Asociación de Azucareros de Guatemala - ASAZGUA) CCRDCR0001	crops within the Guatemalan Pacific slopes.			
Tropical Agricultural Research and Higher Education Center (CATIE) CCRDCR0002	Strengthening the resilience of cattle farms to climate variability and climate change in Honduras, Nicaragua and Costa Rica	Costa Rica Small Grants (Institutional Grant)	\$171,570.83	Closed out
Pan American School of Agriculture, also known as Zamorano (university) CCRDCR0003	Building capacity for climate-resilient agriculture in the dry corridor of northern central America	Costa Rica Small Grants (Institutional Grant)	\$159,362.50	Closed out
International Environmental Data Rescue Organization (IEDRO) : CCRDSS0001	West Africa Data Rescue and Digitization Facility	Sole Source Small Grants (Institutional Grants)	\$106,321.75	Closeout process
AGRHYMET Regional Center: CCRDSS0002	Improving Resilience to Climate Impacts in West Africa Through Improved Availability, Access and Use of Climate Information: Dialogue With User	Sole Source Small Grants (Institutional Grants)	\$29,978.00	Closed
Western Indian Ocean Marine Science Association (WIOMSA): CCRDSS0003	Training on Vulnerability Assessment, Scenario Planning and analyzing adaptation strategies - 2014 WIO Climate Capacity Building Program	Sole Source Small Grants (Institutional Grants)	\$62,036.00	Closeout process
The Mountain Institute (TMI): CCRDSS0004	The Everest Alliance-Cooperatively protecting and restoring the Mt. Everest ecosystem from villages to summit	Sole Source Small Grants (Institutional Grants)	\$18,065.65	Closed
Trustees of Columbia University in the City of New York: CCRDSS0005	Training on Vulnerability Assessment, Scenario Planning and analyzing adaptation strategies - 2014 WIO Climate Capacity Building Program	Sole Source Small Grants (Institutional Grants)	\$49,348.00	Closeout process
The Energy and Resources Institute (TERI): CCRDCRIS0001	Urban Infrastructure Inventory and Rapid Vulnerability Assessment for Resilience Planning in Two Coastal Cities in India	The Climate Resilient Infrastructure Services (CRIS) Program (Institutional Grants)	\$136,630.91	Closeout process
Yayasan Kota Kita Surakarta: CCRDCRIS0002	Vulnerability Assessment, Infrastructure Inventory, Resilience Planning and Capacity Building for the City of Manado, Indonesia	The Climate Resilient Infrastructure Services (CRIS) Program (Institutional Grants)	\$108,874	Close out process
Yayasan Mercy Corps Indonesia (YMCI): CCRDCRIS0003	CRISPI Climate Resilient Infrastructure Services Program - Indonesia	The Climate Resilient Infrastructure Services (CRIS) Program (Institutional Grants)	\$149,990	Retracted
Thailand Environment Institute (TEI): CCRDCRIS0004	Public-Private Partnerships for Climate Resilient Infrastructure: Barriers and Opportunities in the Phuket Tourism Sector	The Climate Resilient Infrastructure Services (CRIS) Program (Institutional Grants)	\$122,852	Retracted
Instituto Dominicano de Desarrollo Integral (IDDI): CCRDCRIS0005	Increasing Resilience to Climate Change of Santo Domingo's Services Infrastructure	The Climate Resilient Infrastructure Services (CRIS) Program (Institutional Grants)	\$146,673.98	Closeout process
Western Kentucky University: CCRDACD0002	Tropical Andean Climate Change Adaptation and Ecosystem Services Monitoring, Cordillera Blanca, Peru	Academic Grants (Institutional Grants)	\$100,000	Active
University of Colorado: CCRDACD0008	An on-line planning tool for climate change resiliency development support	Academic Grants (Institutional Grants)	\$99,941	Active
RMIT University, Australia:	Decision-support toolkit: towards	Academic Grants	\$99,828	Active

Name-Number	Title	Type	Amount	Status
CCRDACD0005	climate smart seaports in the Pacific Islands	(Institutional Grants)		
West Virginia University: CCRDACD0004	Climate Forecasting, Adaptation Backcasting: Promoting Resilient Adaptation in Malawi	Academic Grants (Institutional Grants)	\$99,826	Active
University of Michigan - School of Natural Resources and Environment: CCRDACD0007	Water Demand Management for Improved Adaptation by Small Farmers in Semi-Arid India	Academic Grants (Institutional Grants)	\$99,941	Active
Red Cross / Red Crescent Climate Centre: CCRDACD0003	From Vulnerability Assessments to Adaptive Action: A demand-driven approach to forecast-based decisions for development	Academic Grants (Institutional Grants)	\$99,829	Closeout process
University of North Carolina at Chapel Hill: CCRDACD0006	Diagnosing the vulnerability of drinking water infrastructure to synergistic climate related hazards in coastal cities	Academic Grants (Institutional Grants)	\$99,995	Active
Pan American School of Agriculture "El Zamorano": CCRDACD0009	Water, Climate and Development Training program	Academic Grants (Institutional Grants)	\$90,525	Closeout process
University of Colorado Boulder: CCRDACD0001	Identifying Constraints to and Opportunities for Co-production of Climate Information for Improved Food Security among Agro-pastoral Populations in Tanzania	Academic Grants (Institutional Grants)	\$50,625	Closeout process
Nepal Development Research Institute (NDRI)- CCRDSCS0001	Strengthening Generation and Dissemination of Climate-Based Agro-Advisories for Smallholder Farmers in South Asia	Climate Services (Institutional Grants)	\$149,585	Active
Science Foundation for Livelihoods and Development (SCIFODE)- CCRDSCS0002	Laying the Foundation for Establishing Networks Linking Farmers Across Africa and South Asia for Demand-driven Climate Services.	Climate Services (Institutional Grants)	\$149,990	Active
University of Reading - CCRDSCS0003	Investigating the potential and opportunities for scaling up climate services for farmers in Africa	Climate Services (Institutional Grants)	\$149,939	Active
North CEDEPAS- CCRSCRISII0001	"Strengthening the institutional framework for the validation and incorporation of FIT methodology in the Provincial Municipality of Piura	The Climate Resilient Infrastructure Services (CRIS) Program ROUND II (Institutional Grants)	\$68,959.75	Active

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