



USAID
FROM THE AMERICAN PEOPLE

AFRICAN AND LATIN AMERICAN RESILIENCE TO CLIMATE CHANGE (ARCC)

11th QUARTERLY REPORT (April - June 2014)

15 July 2014

This publication was produced for review by the United States Agency for International Development. It was prepared by Tetra Tech ARD.

This publication was produced for review by the United States Agency for International Development by Tetra Tech ARD, through a Task Order under the Prosperity, Livelihoods, and Conserving Ecosystems (PLACE) Indefinite Quantity Contract Core Task Order (USAID Contract No. AID-EPP-I-00-06-00008, Order Number AID-OAA-TO-11-00064).

This report was prepared by:

Tetra Tech ARD
159 Bank Street, Suite 300
Burlington, Vermont 05401 USA

Tetra Tech ARD Contacts:

Patricia Caffrey
Chief of Party
Tetra Tech ARD
Arlington, VA
Tel.: 802-658-3890
Patricia.Caffrey@tetrattech.com

Anna Farmer
Project Manager
Tetra Tech ARD
Burlington, Vermont
Tel.: 802-658-3890
Anna.Farmer@tetrattech.com

AFRICAN AND LATIN AMERICAN RESILIENCE TO CLIMATE CHANGE (ARCC)

11th QUARTERLY REPORT
(April - June 2014)

15 July 2014

DISCLAIMER

The views expressed in this publication do not necessarily reflect the views of the United States Agency for International Development or the United States Government.

CONTENTS

- ACRONYMS AND ABBREVIATIONS.....2**
- 1.0 PROJECT SUMMARY4**
- 2.0 SUMMARY RESULTS FOR THE PERIOD5**
 - TASK AREA 1: DEVELOPMENT OF VULNERABILITY ASSESSMENT METHODOLOGIES.....6
 - TASK AREA 2: OUTREACH, TRAINING AND SUPPORT.....9
 - TASK AREA 3: KNOWLEDGE DEVELOPMENT AND MANAGEMENT10
 - TASK AREA 4: TECHNICAL SUPPORT TO USAID MISSIONS AND OPERATING UNITS12
 - PROJECT MANAGEMENT AND ADMINISTRATION12
- 3.0 FINANCIAL MANAGEMENT14**
- 4.0 MAJOR ACTIVITIES PLANNED FOR NEXT PERIOD15**
- 5.0 ANNEXES17**
 - ANNEX I: ARCC OUTPUTS.....17

ACRONYMS AND ABBREVIATIONS

AFR	Africa Region
AM	Activity Manager
ACPC	African Climate Policy Centre
APS	Annual Program Statements
ARCC	African and Latin American Resilience to Climate Change
CCA	Climate Change Adaptation
CCAFS	Climate Change Agriculture and Food Security Program (CGIAR)
CGIAR	Consultative Group on International Agricultural Research
CIESIN	Center for International Earth Science Information Network
CO	Contracting Officer
COP	Chief of Party
COP 17	Seventeenth Conference of the Parties to the United Nations Framework Convention on Climate Change (UNFCCC)
COR	Contracting Officer's Representative
ETOA	Environmental Threats and Opportunities Assessment
FAO	United Nations Food and Agriculture Organization
FEWS NET	Famine Early Warning Systems Network
FESS	Foundation for Environmental Security and Sustainability
FGD	Focus Group Discussion
FTF	Feed the Future
GCAP	Global Climate Adaptation Partnership
GCC	Global Climate Change
GMP	Grants Management Plan
GoU	Government of Uganda
GoM	Government of Malawi

GUC	Grants Under Contract
IQC	Indefinite Quantity Contract
JPC	Joint Programming Cell
KII	Key Informant Interview
LAC	Latin America and the Caribbean Region
LDPG	Local Development Partner Group
LVI	Livelihood Vulnerability Index
M&E	Monitoring and Evaluation
NAPA	National Adaptation Program of Action
NGO	Nongovernmental Organization
PM	Project Manager
PMP	Performance Monitoring Plan
PRRGP	Property Rights and Resource Governance Program
PREPARED	Planning for Resilience in East Africa through Policy, Adaptation, Research, and Economic Development (a USAID project)
SMTS	Subject Matter Technical Specialists
SOW	Scope of Work
STAM	Senior Technical Advisor/Manager
UCT	University of Cape Town
USG	United States Government
UNDP	United Nations Development Programme
UNFCCC	United Nations Framework Convention on Climate Change
VA	Vulnerability Assessment
VIA	Vulnerabilities, Impact, and Adaption Assessment
WAVA	West Africa Vulnerability Assessment
WRI	World Resources Institute

I.0 PROJECT SUMMARY

The African and Latin American Resilience to Climate Change (ARCC) project is a three-year program funded by the United States Agency for International Development (USAID) to provide technical, analytical, and project assistance, as well as capacity building to promote adaptation to climate change, in order to improve the ability of vulnerable populations to respond to climate challenges and safeguard economic growth. The Task Order for ARCC will focus on advancing the Economic Growth Objective within the USAID Foreign Assistance Framework by promoting adaptation to climate change and integration of adaptation into other economic investments, in order to safeguard and promote sustainable, climate-resilient growth. ARCC has the following goals/objectives:

- Promote sustainable economic growth through the development of vulnerability assessment methodologies and other analyses that provide information about the greatest climate change risks to sustainable growth and adaptation options;
- Promote improved governance through the development of analysis and methodologies that increase public understanding of potential climate change impacts and broaden civil society participation in decision-making;
- Address the needs of vulnerable populations, and include gender considerations, by developing best practices in analysis of risk and mitigation of climate change impacts on these populations; and
- Provide technical support to USAID missions and operating units by providing analysis, design, and evaluation support for activities related to adaptation.

To follow, the Task Order for ARCC consists of four activity areas with predefined tasks and deliverables:

- Task Area 1: Development of Vulnerability Assessments Methodologies;
- Task Area 2: Outreach, Training and Support;
- Task Area 3: Knowledge Development and Management; and
- Task Area 4: Technical Support to USAID Missions and Operating Units.

Under these Task Areas, key activities will include the provision of assessment methodologies to guide USAID programming of adaptation-related objectives; a vulnerability assessment tool to provide specific guidance into 'Feed The Future' planning for USAID programs; knowledge management support on topics that may range from evaluation of publicly available indicators of vulnerability to research to improve downscaled modeling outputs that are important for decision-making around adaptation; and technical assistance for field missions in Africa and to a lesser extent, the Latin America and Caribbean region. This Task Order is also expected to have the flexibility to address unforeseen support needs for the Africa Bureau and the Latin America and Caribbean Bureau (LAC).

ARCC will likely be asked to focus on the following geographic areas: *Africa*: Angola, Ethiopia, Kenya, Malawi, Mali, Mozambique, Rwanda, Senegal, Tanzania, and Uganda. *Africa Regional Missions*: East Africa, Southern Africa, and West Africa. *Latin America and Caribbean*: Colombia, Ecuador, Peru, Guatemala, Haiti, and Jamaica. *Latin America Regional Missions*: Central American, Andean and the Caribbean.

2.0 SUMMARY RESULTS FOR THE PERIOD

During the 11th Quarter, the Senegal Vulnerability Assessment team received comments from USAID/Senegal on the VA report. ARCC is pending USAID/Washington comments and expects the report to be finalized in August 2014. The Senegal VA team also traveled to Senegal in June 2014 to share the VA results and validate the findings in three separate fora: 1) validation workshop with local partners in Dakar, 2) a brownbag with USAID/Senegal Mission staff, and 3) a validation workshop with local stakeholders in Eastern Senegal.

ARCC continued to work on finalizing several outputs related to the West Africa Vulnerability Assessment, including the Mali Vulnerability Map, the Mali Adaptive Practices Assessment, and the Mali Institutional Assessment: Mateo and AEDD. At USAID's request, ARCC worked to incorporate new material – namely maps and summaries – into the West Africa Coastal Vulnerability Mapping report. In early June 2014, CIESIN also completed a five-day training workshop on Climate Vulnerability Mapping.

ARCC completed the research design, field assessment, and draft report for the Western Honduras VA during this reporting period. The VA team is scheduled to travel to Honduras in July 2014 to present the findings of the assessment to USAID and other USG personnel, donors, government, and local stakeholders. The team will travel back to three sites in the western region of Honduras to share and validate the VA findings with farmers, NGOs, and other community based organizations. ARCC also submitted the final report for the Southern Honduras Vulnerability Assessment. Findings from this assessment will be shared with stakeholders in Valle and Choluteca in July.

ARCC, through subcontractor Blue Madrona, provided technical assistance to the East Africa Regional PREPARED project's Vulnerabilities, Impacts, and Adaptation Assessment. Lynnette Wood of Blue Madrona traveled to Tanzania to consult with the PREPARED Chief of Party on the current status of the assessment and to provide specific recommendations on how the project can streamline the design and implementation process. A follow-up trip is scheduled for the next quarter.

In April 2014 ARCC participated in the third annual AFR Global Climate Change Technical Officers Meeting in Nairobi, Kenya. In June 2014 ARCC accompanied Hadas Kushnir, Climate Change Advisor at USAID/Uganda in giving a presentation of the Uganda VA at the USAID Adaptation Community Meeting in Washington, DC.

Final versions of the Sahel and Cities Case Studies and Policy Briefs, prepared by FESS, were submitted to USAID and are pending USAID approval and communications clearance. FESS's Synthesis Paper will be finalized next quarter. ARCC held the Grantee Closeout Workshop in Addis Ababa, Ethiopia in May. The grantees shared their final research reports and received their grantee certificates of completion. ARCC hosted an Experts' Meeting on Climate Change Vulnerability Assessment Utility and Uptake in April in Arlington, Virginia. This was followed by a Roundtable on Uptake, hosted by WRI. ARCC received initial USAID feedback on the Compendium, and a final version will be completed in August.

ARCC received USAID approval for the USAID Demobilization and Disposition Plan. USAID approval for the no-cost extension is pending. Three ARCC staff members were off-boarded in May/June: Operations Manager, Grants Manager, and Deputy Chief of Party. A new Operations Manager was hired.

TASK AREA I: DEVELOPMENT OF VULNERABILITY ASSESSMENT METHODOLOGIES

Activities that were completed under Task Area I include:

- I. For the **Senegal Vulnerability Assessment**, ARCC received feedback on the VA Report from USAID/Senegal. USAID's comments focused primarily on the recommendations section of the assessment. USAID/Washington comments on the report are still pending. The report is expected to be finalized in August 2014.

In coordination with USAID/Senegal and USAID/Washington, ARCC also planned three activities which were held in Senegal in June: 1) a validation meeting with Senegalese research partners; 2) a brief presentation of the VA findings to USAID/Senegal; and 3) presentations of VA findings to stakeholders in the departments of the study.

Led by ARCC's Africa Technical Advisor and Senegal VA Team Leader, Dr. David Miller, ARCC held a validation meeting with Senegalese research partners, ISRA and CSE, the research consultant Mamadou Baro, and ARCC Climate Scientist Sylwia Trzaska from June 18-20, 2014 in Dakar. The objectives of this 2 ½ day workshop were to review and confirm the conclusions and recommendations of the assessment and to develop and plan for the presentations to stakeholders in the study zone. In addition to successfully achieving these objectives, the workshop built capacity and understanding among team members regarding the methods and results of the assessment.

On June 19, 2014, ARCC and VA team members presented VA results to USAID/Senegal. The meeting was attended by the USAID Mission Director, agriculture and environment technical officers, a representative of the resilience group, as well as Mission staff. The well received presentation was followed by a brief meeting to plan the presentation of the study to a larger group of national stakeholders in September.

The final activities took place from June 23-24, 2014 in the VA study area of Eastern Senegal. The team held meetings with local governmental technical staff, local government officials, and project staff in the cities of Ourosougi and Bakel in the study zone to share VA findings and generate feedback on potential adaptation options. Approximately 30 people were in attendance at the local stakeholder meetings. In two separate meetings, ARCC engaged the participants in a thorough discussion of the VA results and recommendations. The participants gained a greater understanding of the potential impacts of climate change, and the ARCC team members gained a stronger appreciation of local perspectives on the challenges they face.

ARCC also developed an abbreviated executive summary of the VA report for USAID/Senegal for use in a communication to Economic Community of West African States (ECOWAS) on Climate Smart Agriculture in National Agricultural Investment Programs.

During this reporting period, ARCC continued the review and finalization of several studies related to Mali under the **West Africa Vulnerability Assessment (WAVA)**. In response to USAID feedback, ARCC revised the Mali Vulnerability Map and on May 9, 2014 submitted a second draft to USAID. ARCC also made revisions to the Mali Adaptive Practices Assessment, prepared by Claudia LaLumia, and the Mali Institutional Assessment: Mateo and AEDD, prepared by Mark Freudenberger. Both consultants worked on revising their respective papers, and ARCC plans to submit final versions to USAID in July 2014.

In April 2014 USAID informed ARCC that the Mali Climate Change and Conflict Assessment would not go forward; therefore ARCC discontinued all negotiations with potential personnel and partners who had been identified to support the activity. USAID also informed ARCC that the Sub-Saharan Africa groundwater assessment was discontinued.

ARCC subcontractor, Center for International Earth Science Information Network (CIESIN), began to make revisions to the West Africa Coastal Mapping document based on feedback received from USAID/West Africa. This report describes patterns of vulnerability to coastal climate stressors. In an expanded version of the report, ARCC will also include regional, country, and city maps; a 4-5 page summary report; and an expanded regional report. At USAID's request ARCC provided USAID/West Africa with twenty (20) draft regional maps to share with the Mano River Union, the Environment Directorate at the Economic Community of West African States, and the Abidjan Convention. These maps were distributed at the USAID sponsored workshop entitled "West Africa Mangroves - A key to Climate Change Adaptation and Mitigation" which was held in Elmina, Ghana in May 2014.

During the reporting period, ARCC and USAID/Washington have begun brainstorming the best way to share, and with whom to share, the wealth of papers and studies produced under the WAVA. To date, ARCC and USAID confirmed that several ARCC staff and/or consultants will present the papers on a "West African Tour" to Senegal, Nigeria, and Mali in September 2014. ARCC's approach to share these documents, the exact timing of the trips, and final destinations are still to be determined. Section 5.0 Annexes contains a complete list of versions of WAVA studies submitted by ARCC to USAID during the reporting period.

From June 2-6, 2014 CIESIN organized a five-day training workshop on Climate Vulnerability Mapping in Palisades, New York. The objective of the workshop was to provide a comprehensive training in the framework, data, and methods used to develop a spatial vulnerability assessment for Kenya utilizing the spatial index approach. Data sets and potential indicators derived from them were assembled and evaluated in advance of the workshop. The primary focus of the workshop was on the methods needed to process and transform the spatial data in order to develop a spatial vulnerability index and constituent indices for exposure, sensitivity, and adaptive capacity. Participants were guided by the CIESIN instructors, with the help of a 200-page manual, in the production of a preliminary vulnerability map for Kenya. They were also trained in the advanced skills and techniques necessary to replicate this kind of geospatial analysis for other countries and regions. Participants came from Senegal, Zambia, Ghana, Mozambique, Morocco, and the United States.

2. Following the scoping trip, on April 15, 2014 ARCC submitted the research design for the **Western Honduras Vulnerability Assessment** to USAID/Honduras. As detailed in the research design, the overall purpose of the VA is: 1) to understand the historical trends and future projections for climate in Western Honduras; 2) assess how these climate projections will affect livelihoods and ecosystems in the region; and 3) identify existing and potential adaptive responses that can be integrated into USAID's programming in Western Honduras to strengthen the resilience of livelihoods and ecosystems to climate-related impacts. The five (5) analytical components of the VA include: climate, eco-hydrology and protected areas, value chains and livelihoods, phenology, and institutions.

From April 20 - May 4, 2014 the VA team traveled throughout the Western Honduras region to conduct focus group discussions with smallholder farmers and institutions (i.e. NGOs,

municipalities, water associations, and line ministries) to learn how they perceived climate change impacting their livelihoods. The team conducted focus groups in seven sites, which span four critical watersheds within the region: Rio Grande de Otoro, Lempa-Mocal, Goascaran-Palagua, and Higuito-Jicatuyo.

Following the field assessment phase, from May 19-20, 2014 the VA team convened again in ARCC's Arlington, Virginia office to share their individual, component findings with the rest of the team, as well as to cross-analyze how these findings answer the overall research questions related to exposure, sensitive and adaptive capacity. The Cross Analysis meeting was facilitated by Chief of Party, Patricia Caffrey. The LAC Activity Manager for ARCC, Christine Pendzich, also participated in the two-day meeting. On June 30, 2014 the first draft of the VA report was submitted to USAID/Honduras for review.

Also in June, ARCC started to make initial preparations for the presentation of the VA findings. When the quarter ended, USAID/Honduras had confirmed that the VA findings would be shared in four distinct fora:

- Outbrief of VA findings for USAID/Honduras scheduled for July 10;
 - Validation workshops at select sites within Western Honduras, scheduled for July 12-14;
 - Presentation of findings, options, and recommendations to the Dry Corridor Alliance scheduled for July 16; and
 - Presentation of VA findings to US Government personnel from USAID, State Department, Department of Defense, US Department of Agriculture, amongst others, scheduled for July 16.
3. On May 9, 2014, ARCC submitted the final **Southern Honduras Vulnerability Assessment** report to USAID/Honduras and USAID/Washington. At the writing of this report, the report is pending USAID communications clearance. Several members of the Southern Honduras VA assessment are scheduled to travel to Valle and Choluteca on July 17, 2014 to share the assessment findings with local stakeholders. ARCC will also present the Southern Honduras VA findings to US Government personnel on July 16, alongside the Western Honduras VA.
 4. During the last quarter, ARCC received a request from USAID/East Africa (by way of USAID/Washington) to provide technical and organizational assistance to the USAID East Africa Regional Planning for Resilience in East Africa through Policy, Adaptation, Research, and Economic Development (PREPARED) project, which is in the process of conducting a Lake Victoria Basin Vulnerability, Impacts and Adaptation Assessment (VIA). ARCC's support to the PREPARED VIA process will focus on helping PREPARED identify how the VIA planning and implementation can be improved based on ARCC's experience with designing and conducting climate change vulnerability assessments.

ARCC subcontractor, Blue Madrona, is spearheading this activity. From June 2-9, 2014 Blue Madrona President Lynnette Wood traveled to Arusha, Tanzania to meet with PREPARED Chief of Party Scott McCormick to review the VIA approach and methodology and to begin identifying the needs and expectations of the VIA stakeholders. Following the field visit, ARCC submitted a report to PREPARED detailing several observations and recommendations, some of which are highlighted below:

- PREPARED is in a good position with respect to having already achieved a high degree of credibility, legitimacy and salience of the VIA process. Steps should be taken to ensure that the overall technical approach continues to engage stakeholders at a high

level, and even to increase engagement in some cases. PREPARED should build in regular, explicit, but cost-effective consultations among sector team members during the course of the field work, not just at the conclusion of it. This will both facilitate the research, and help to ensure a more integrated product.

- Strengthening of the implementing partners to continue in the role of knowledge broker post-PREPARED should be an explicit goal of the VIA.
- The exposures should be limited to climate exposures, and the sensitivities and adaptive capacities should be carefully distinguished. In addition, adaptive strategies should never be used in place of or as proxies for adaptive capacities. Having a common vocabulary with which the VIA team, implementing partners, and VIA users all agree, will facilitate discussion and reduce confusion.
- Having clearly articulated and agreed upon research questions will be critical for guiding the Sector Teams in their work, and also for bounding the research and keeping it focused. It is highly recommended that research questions for each sector study be finalized prior to finalizing the methods and tools, and definitely prior to initiating field work. Once the Sector Teams are in place, PREPARED should conduct a facilitated workshop in which the teams are guided through the development of a research framework for the VIA.
- Careful consideration should be made to selecting and applying suitable methods to collect the data and information needed to answer and cross-validate the research questions being asked, while avoiding complex or complicated data collection methods. Organizing and documenting the "raw" data should be completed prior to analysis. Steps should be taken to ensure that all the data are safe (backed up) and secure (as data may contain some elements that are considered confidential).

In collaboration with PREPARED, ARCC and Blue Madrona developed a SOW for a second trip which is scheduled to take place in late July. The purpose of the visit will be to finalize the VIA research framework, methodology and tools and in the process train VIA Sector Team members in the design and implementation of the VIA.

TASK AREA 2: OUTREACH, TRAINING AND SUPPORT

Activities that were completed under Task Area 2 include:

1. From April 1-3, 2014 USAID held the third annual **AFR Global Climate Change Technical Officers Meeting** in Nairobi, Kenya. There were a total of forty-two (42) participants, as well as the meeting facilitator Gary Forbes, USAID AFR Activity Manager Tegan Blaine, ARCC Operations Manager Michael Wasson, and ARCC Chief of Party Patricia Caffrey. The meeting objectives were to:
 - Increase technical knowledge in key climate change topics, including integration of climate change into other USAID investments;
 - Facilitate collaboration between missions and between missions and Washington on shared issues in project design and implementation;
 - Promote a better understanding of important policy developments; and
 - Ensure mission understanding of direct funding requirements.

A variety of sessions were held, including, USAID's experience integrating climate change into sector programs and designing vulnerability assessments; updates on UN negotiations on climate change and USAID/Washington developments; and informative sessions on Power Africa and

mechanisms for funding climate change in the region. ARCC made three presentations: one on the Senegal Climate Change Vulnerability Assessment methodology; another on lessons-learned around uptake of vulnerability assessments, and the final one, led by Alex de Sherbinin from CIESIN, on Climate Change Vulnerability Mapping in Africa.

2. On June 19th, 2014, ARCC Chief of Party Patricia Caffrey and Climate Change Advisor Hadas Kushnir of USAID/Uganda gave a presentation at the **USAID Adaptation Community Meeting** at IRG Engility Inc., on the results and utility of the Uganda Climate Change Vulnerability Assessment. The presentation covered lessons learned in designing, implementing, and communicating the assessment. The event was well attended and broadcast by webinar internationally.
3. ARCC climate scientist Sylwia Trzaska was asked to develop and conduct a **Global Climate Change training course and webinar** on regional and sectoral climate change impacts, as a part of IRG Engility’s efforts to support the learning of the staff within USAID’s Global Climate Change Office. The training is scheduled to take place on July 14, 2014 at the Washington Learning Center in Virginia. Dr. Trzaska provided IRG Engility with initial talking points for the course in June, and prepared draft PowerPoint slides for the training. She will finalize and deliver the presentation for both the course and webinar during the next quarter.

TASK AREA 3: KNOWLEDGE DEVELOPMENT AND MANAGEMENT

Activities that were completed under Task Area 3 include:

1. During the quarter, ARCC subcontractor **Foundation for Environmental Security and Sustainability** (FESS) submitted their final version of the Sahel and Cities Case Studies, which ARCC then forwarded on to USAID for approval and communications clearance. FESS began drafting their final report, a synthesis paper, in June 2014. ARCC expects to submit a first draft to USAID in late July 2014.
2. Administrative closeout of the **ARCC small grants program** was completed in April and May 2014. The grantees completed their title transfer and final inventory, and all equipment purchased under the grant agreements was officially handed over to the grantees. The grantees received their Grantee Completion of Activities Certificates and final payments for their last deliverable, the Final Research Report.

Total grant disbursements for the life-of-project were \$406,256 of which \$56,782 correspond to payments made this quarter. The grantees cost share contribution over the life of the grant was \$15,025. A summary of grant activities and disbursements are presented in Table I below.

Table I. Summary of ARCC Grant Activities For This Quarter

Grantee	Deliverables Approved	Funds Disbursed This Quarter	Funds Disbursed To Date
Multiface Research and Development Centre (MRDC)	Milestone 13: Final Research Paper	\$14,817	\$148,165
Household and Community Experiences and Perceptions on Climate Change Impacts due to Floods, and Expectations on Policy Interventions in Budalangi, Western Kenya			

Multi-Features and Capacity-Enhancing Services (MFCS) Climate Change and Agricultural Adaptation Measures in the Transition Zone of Mid-Ghana	Milestone 13: Final Research Paper	\$27,017	\$135,084
Association pour la Gestion de l'Environnement et le Développement (AGED) Household and Community Experiences and Perceptions on Climate Change Impacts due to droughts, and Expectations on Policy Interventions in Sahel Region, Northern Burkina Faso	Milestone 13: Final Research Paper	\$14,948	\$123,007
GRAND TOTAL		\$56,782	\$406,256

From May 11-17, 2014, Sarah Thessing and Deputy Chief of Party Kelly Miller traveled to Addis Ababa, Ethiopia to conduct a two and a half day Grant Closeout Workshop. The training focused on five key areas:

- Sharing the grantee research findings
- Reflecting on lessons learned from the grant process
- Developing tools to better communicate and share research
- Identifying how to search for funding opportunities
- Defining next steps for future research

At the end of the Closeout Workshop, Sarah Thessing and Kelly Miller met with Dr. Fatima Denton, Director at the African Climate Policy Centre (ACPC) and others at ACPC to provide an informal outbrief on the closeout event. ARCC and ACPC also shared our overall impressions of ACPC's technical support and the grantees' overall performance and achievements. Both ARCC and ACPC expressed that the Grants Program was an effective mechanism for building organizational and technical capacity to do climate change adaptation research.

In May 2014 Sarah Thessing shared the final research reports with USAID/Washington, USAID country mission staff, and ACPC. These reports will also be available on the ARCC Eldis portal during the next quarter.

3. Progress continued on the **ARCC Compendium**. This document will highlight ARCC's vulnerability assessment experiences, and include country VA case studies, papers that present and discuss the principal cross-cutting learning themes, and papers that detail lessons-learned related to the implementation of analytical components (e.g., climate, institutional, socio-economic, and biophysical) in climate change vulnerability assessments. Since the last quarterly report, the Senegal case study was developed and integrated into the Compendium. The Compendium was peer reviewed by four experts in climate change vulnerability. Comments received from the peer review have helped guide revisions. The Compendium was sent to USAID/Washington for initial comments on May 18, 2014. ARCC received feedback from AFR Activity Manager, Tegan Blaine, on June 6, 2014. The Compendium will be circulated for review and comments to a wider audience at USAID during the next quarter. ARCC expects the final version of the Compendium will be completed, approved, and cleared in August 2014.

4. ARCC hosted an **Experts' Meeting on Climate Change Vulnerability Assessment Utility and Uptake** on April 15-16, 2014 in Arlington, Virginia. There were a total of 41 participants from around the globe who gathered to share their experiences in implementing vulnerability assessments, and more specifically how the assessment results were used by decision makers to inform their programs and policies. Meeting participants found the meeting very useful and evaluated it with an overall rating of 8.7 out of 10. On May 29, 2014 ARCC provided USAID with a two-page meeting summary that highlighted the key takeaways. ARCC distributed this summary document to the Expert Meeting participants.
5. ARCC subcontractor World Resources Institute (WRI) hosted a **Roundtable on Linking Vulnerability Assessments and Decision Making** at their DC office on June 13, 2014. The roundtable further explored some of the concepts discussed during the Experts' Meeting on Climate Change Vulnerability Assessment Utility and Uptake (referenced above). The roundtable event was attended by 24 participants from outside the ARCC consortium, including USAID, multilateral development institutions, and development (domestic and international) professionals from the US public and private sectors.
6. ARCC made revisions to or submitted for review twenty-three (23) deliverables during the quarter many of which were second and third drafts of previously submitted technical background papers for the West Africa vulnerability assessment but also included the Compendium and other technical papers (see Annex I for a complete list of all deliverables).

TASK AREA 4: TECHNICAL SUPPORT TO USAID MISSIONS AND OPERATING UNITS

Activities completed under Task Area 4 include:

1. Three policy overviews on **Potential Climate Change Impacts on Biodiversity in Uganda, Climate Change Impacts and Agriculture Infrastructure in Uganda, and Climate Change Impacts on Health in Uganda** were researched and drafted during the quarter. These policy overviews will provide USAID's development partners and other organizations working in biodiversity, agriculture value chains, and health with an improved understanding of how climate change might affect communities and people targeted by their programs and valuable recommendations on how to strengthen the adaptive capacity of programs in Uganda. The policy overviews build on the climate change analysis results conducted in the Uganda Climate Change Vulnerability Assessment. The final drafts of the overviews are expected in the next quarter.

PROJECT MANAGEMENT AND ADMINISTRATION

The following are key project management and administration activities which took place during the reporting period:

- Recruited and on-boarded Gayle Thomas-Powell as new Operations Manager.
- Delivered logistics and facilitation for the AFR GCC Technical Officers meeting in Kenya.
- Organized and facilitated the 2014 Experts Meeting at the Holiday Inn in Arlington.
- Organized and facilitated the ARCC Grants Closeout event in Ethiopia.
- Coordinated logistics and international travel for the Western Honduras VA research mission, cross-analysis meeting and validation workshops.
- Coordinated logistics and international travel for the Senegal VA validation workshops.

- Negotiated and executed a subcontract with Blue Madrona for providing technical assistance to the East Africa Regional PREPARED project.
- Initiated the procurement and planning for the ARCC Compendium/End of Project Event next quarter.
- Submitted a budget realignment and request for no-cost extension and Demobilization and Disposition Plan for USAID approval. ARCC received USAID approval for the Demobilization and Disposition Plan on June 23, 2014. ARCC is still pending USAID approval for the no-cost extension.
- Managed for outputs from subcontractors – ACDI/VOCA, CIESIN, WRI, FESS, ISRA, CSE and Blue Madrona.
- Off-boarded Operations Manager Michael Wasson, Grants Manager Sarah Thessing, and Deputy Chief of Party Kelly Miller.

The following project management and administration activities are anticipated during the following quarter:

- Manage subcontractors/consultants for the Western Honduras, Senegal, and West Africa VAs.
- Manage Blue Madrona subcontracts for ARCC Compendium and East Africa Regional PREPARED activities.
- Coordinate logistics and international travel for the ARCC End of Project Event.
- Continue file closeout of consultant and subcontract records in preparation for project closeout.
- Coordinate logistics and international travel for the ARCC West Africa VAs Outreach event.

3.0 FINANCIAL MANAGEMENT

TETRA TECH ARD African and Latin American Resilience to Climate Change (ARCC) Contract #: AID-OAA-TO-11-00064		
TOTAL BUDGET SUMMARY BY YEAR		
	Approved Budget	Actuals Through June 30, 2014
Salaries & Wages	\$3,332,910	\$2,929,106
Fringe	\$839,080	\$617,154
Travel, Transportation & Per Diem	\$1,043,142	\$953,788
Equipment & Supplies	\$102,467	\$70,041
Subcontracts / Grants	\$4,638,805	\$4,120,125
Program Activity Costs	\$187,697	\$181,647
Other Direct Costs	\$348,248	\$341,986
Indirect Costs	\$1,921,889	\$1,522,054
Sub Total	\$12,414,238	\$10,735,902
Fixed Fee	\$620,712	\$537,231
Total Est. Cost Plus Fixed Fee	\$13,034,950	\$11,273,133
ARCC Program Area		
	Actuals Through June 30, 2014	
Operations	\$ 5,456,164	
Latin America & Caribbean	\$ 999,796	
Africa	\$ 4,817,172	
TOTAL	\$ 11,273,132	

4.0 MAJOR ACTIVITIES PLANNED FOR NEXT PERIOD

Next quarter ARCC expects to complete the final reports for the Senegal VA and Western Honduras VAs. ARCC will also host its End of Project Event and complete the West Africa Vulnerability Assessment (WAVA) Tour. Our general activity plan for the next quarter is as follows:

Activity Plan				
Task Areas	Activities	Lead ARCC Team Member/ Partner	Date/Month	Output
TA I	Finalize Senegal VA Report	David Miller	August 2014	Senegal VA Report
TA I	Complete study on approaches to assessing the future potential of moisture and soil management adaptive practices in Mali using agronomic modeling Finalize maps and summaries for the West Africa Coast Vulnerability Mapping Report Share outputs of WAVA with USAID and other stakeholders (“WAVA Tour”), including the development of several briefs, summaries, and presentations	David Miller David Miller/ Matthew Edwardsen/ CIEISIN	July – September 2014	West Africa VA Outputs & Mali Technical Outputs
TA I	Conduct validation workshops, present VA findings to USG and local stakeholders, and finalize Western Honduras VA Report	Patricia Caffrey	July – August 2014	Western Honduras VA Report and Presentations
TA I	Share findings of Southern Honduras VA report in-country.	Patricia Caffrey	July 2014	Southern Honduras VA Presentations
TA I	Provide technical assistance to the Kenya PREPARED VIA process	David Miller/ Blue Madrona	July – August 2014	Report/Training
TA2	Develop course materials and conduct training and webinar for IRG Engility’s Global Climate Change training for USAID staff	Sylwia Trzaska	July 2014	Training and Webinar

TA3	Submit first and final version of the Synthesis Paper	Patricia Caffrey / FESS	July – August 2014	Climate Change & Conflict Synthesis Paper
TA 3	Edit Compendium based on USAID comments, then finalize for official launch at ARCC End of Project Event	Compendium Working Group: Leif Kindberg, Patricia Caffrey, Lynnette Wood, and Heather McGray	August 2014 – September 2014	Compendium on ARCC Experiences
TA3	Continue to share publications through Eldis website. Update the Development Experience Clearinghouse as publications are approved.	Leif Kindberg	July – September 2014 (ongoing)	ARCC approved publications
TA3	Finalize agenda and logistics for ARCC End of Project Event	Patricia Caffrey /Leif Kindberg/ Lauren Redfield	July – September 2014	ARCC End of Project Event
TA 4	Finalize thematic papers for USAID/Uganda Mission on climate change and: 1) infrastructure for marketing and processing agricultural products, 2) health, and 3) biodiversity	Leif Kindberg	July 2014	Uganda Thematic Papers

5.0 ANNEXES

ANNEX I: ARCC OUTPUTS

Title	Date of Original Submission	Date of Final Submission
2012 Expert's Meeting Report - Full	20-Mar-12	9-May-12
Uganda Annexes	1-Sep-13	Approved for distribution on September 11, 2013
Uganda scenarios (6)	30-Jun-13	3-Oct-13
Uganda Vulnerability Assessment Report (Full)	24-Jan-13	Approved for distribution on September 11, 2013
Uganda Climate Section	29-Jul-13	Approved for distribution on September 11, 2013
Uganda Executive Summary (4 page)	29-Jul-13	Approved for distribution on September 11, 2013
Uganda Executive Summary (6 page)	29-Jul-13	Approved for distribution on September 11, 2013
USAID Workshop Summary on: Information & Capacity for Adaptation Decision Making in Agriculture	9-May-13	Approved for distribution on June 11, 2013
USAID Workshop Summary on: CCVA Recent Approaches and Results	9-May-13	Approved for distribution on June 12, 2013
Malawi Vulnerability Assessment Report Annexes	1-Sep-13	Approved for distribution on September 12, 2013
Malawi Vulnerability Assessment Report (executive summary)	1-Sep-13	Approved for distribution on September 12, 2013
Malawi Vulnerability Assessment Report (full report)	16-May-13	Approved for distribution on September 12, 2013
ARCC Implementing Mechanism Fact Sheet	14-Jun-13	Approved for distribution on September 6, 2013
ARCC Program Brief	14-Jun-13	Approved for distribution on September 6, 2013
Evaluation of Organizational Capacity and Opportunities for Climate Change Adaptation Investments in Kenya	22-May-13	Approved for internal distribution on August 26, 2013

DRR and CCA Synergy in USAID/Ethiopia Programming	4-Jun-13	Approved for internal distribution only on June 11, 2013
Background Paper on Vulnerability Assessment Methodologies	1-Mar-12	27-Jun-12
Understanding Vulnerability - Towards a Framework on Adaptation	1-Aug-12	NA
Vulnerability Assessment Options: A Review of Approaches	29-May-12	29-May-12
Evaluation of Organizational Capacity and Opportunities for Climate Change Adaptation Investments in Rwanda	20-May-13	Approved for internal distribution only on June 25, 2013
Synthesis paper - Climate Change and Conflict in Africa and Latin America: Findings and Preliminary Lessons from Uganda, Ethiopia, and Peru	21-Dec-12	Approved for external distribution on December 6, 2013
Dominican Republic Vulnerability Assessment Report (Full)	31-May-13	30-Sep-13
Dominican Republic Vulnerability Assessment Report (Executive Summary)	1-Sep-13	1-Sep-13
Stakeholder Participation in Climate Change Adaptation Planning	2-Jul-13	Approved for external distribution on January 17, 2014.
Analyzing Climate Change Adaptation Options Using Multi-Criteria Analysis	25-Jan-13	Approved for external distribution on January 17, 2014.
Methods for Economic Analysis of Climate Change Adaptation Interventions	19-Nov-12	Approved for external distribution on January 17, 2014.
From Assessment to Implementation: Approaches for Adaptation Option Analysis	19-Nov-12	Approved for external distribution on January 17, 2014.
Ensuring Condition-Appropriate Seed (Climate Change Fact Sheet, 2 pages)	19-Nov-12	TBD
Expansion of Income Generating Activities (Fact Sheet)	14-Dec-12	TBD
Improved Post Harvest Handling and Storage (Fact Sheet)	14-Dec-12	TBD
Promoting Conservation Agriculture (Fact Sheet)	14-Dec-12	TBD
Strengthening Agricultural Value Chains (Fact Sheet)	14-Dec-12	TBD

Supporting Mixed Farming Systems (Fact Sheet)	14-Dec-12	TBD
Investigate Crop Insurance Schemes (Fact Sheet)	21-Dec-12	TBD
Improve Extension Services (Fact Sheet)	22-Dec-12	TBD
Expansion of Integrated Pest Management (Fact Sheet)	23-Dec-12	TBD
Improving Vulnerability Assessment and Climate Change Adaptation by Applying Impact Assessment Processes - Ten Principles (Summary Paper)	4-Jan-13	TBD
Increase Nutrition Specific Interventions (Fact Sheet)	18-Jan-13	TBD
Mali Climate Vulnerability Mapping	14-March-14	Approved for external distribution on June 10, 2014
The Status and Possible Evolution of Climate Projections in West Africa	26-Aug-13	11-Dec-13
Background Paper: Regional Climate Change Vulnerability Assessment for West Africa	12-Jun-13	Approved for external distribution on May 29, 2013
Summary Introduction to Mali Climate Change Vulnerability	TBD	TBD
Expected Impacts of Changes in Climate on Pests and Diseases Afflicting Selected Crops in Mali	24-Jan-14	TBD
Expected Impacts of Changes in Climate on Pests and Diseases Afflicting Livestock in Mali	18-Oct-13	TBD
Water Resources in Mali	22-Aug-13	14-Feb-14
Mali Water Resources: Key Issues in the Context of Climate Change	14-Feb-14	14-Feb-14
Malian Adaptive Practices: Organizational Survey and Focus Groups	14-March-14	TBD
Climate Change and Conflict in Mali	TBD	TBD
Summary Introduction for Transboundary Water Issues	TBD	TBD
West African Coastal Vulnerability to Climate Change: Biophysical and Institutional Analysis	25-Sep-13	TBD
Transboundary River Basins in West Africa in Light of Climate Change	19-Sep-13	TBD
An Assessment of Groundwater Management in West Africa in the Light of Climate Change	11-Nov-13	TBD

Summary Introduction for Agriculture and Climate Change	TBD	TBD
An Approach to Evaluating the Performance of Agricultural Practices Under Climate Change in the Sahel	26-Aug-13	TBD
A Review of Technologies and Management Practices Promoted in Sahel Region as Climate Change Adaptation Practices	TBD	TBD
Agricultural Adaptive Practices Impact Evaluation	7-May-14	TBD
An Approach to Conducting Phenological Screening of the Impact of Climate Change in the West African Sahel	26-Aug-13	TBD
Agronomic Profiles of 15 Crops Important in the Sahel	28-Feb-14	TBD
Review of Phenological Characteristics in Common Crop Models	24-Feb-14	TBD
Expected Impacts of Changes in Climate on Pests and Diseases Afflicting Selected Crops in the Sahel	24-Jan-14	TBD
Expected Impacts of Changes in Climate on Pests and Diseases Afflicting Livestock in the Sahel	18-Oct-13	TBD
Mapping the Economic Vulnerabilities to Climate Change on the West African Coast: Phase I – Primary Vulnerabilities and Data Availability	9-Aug-13	Work completed.
Mali Institutional Assessment: Meteo and AEDD	21-March-14	TBD
Mapping the Economic Vulnerabilities to Climate Change on the West African Coast: Phase 2	TBD	TBD
The Impact of Climate Change on Small Holder Irrigation Systems in Sub-Saharan Africa	TBD	TBD
Senegal Vulnerability Assessment Report (Full)	11-March-14	TBD
Latin America and Caribbean (LAC) Climate Change Summary Report	21-Oct-13	Approved for internal use only. March 4, 2014
Global Climate Change Donor Investment in LAC	21-Oct-13	Approved for internal use only. March 4, 2014
Literature Review for the ARCC Honduras Climate Change Vulnerability Assessment	15-Nov-14	TBD
Vulnerability and Resilience to Climate Change in Southern Honduras	24-Dec-14	14-May-14
Western Honduras Climate Change Vulnerability Assessment Report	TBD	TBD

Climate Change and Conflict in West African Cities: A Policy Brief on Findings from Lagos, Nigeria and Accra, Ghana (a.k.a. <u>Cities Policy Brief</u>)	7-Dec-13	27-Jan-2014
Climate Change and Conflict in West African Cities: Findings from Lagos, Nigeria and Accra, Ghana (a.k.a. <u>Cities Case Study</u>)	30-Oct-13	Approved for external distribution May 9, 2014
Climate Change and Conflict in the Sahel. A Policy Brief on Findings from Niger and Burkina Faso. (a.k.a. <u>Sahel Policy Brief</u>)	13-Jan-14	Approved for external distribution May 9, 2014
Climate Change and Conflict in the Sahel. Findings from Niger and Burkina Faso. (a.k.a., Sahel Case Study)	21-Feb-14	28-March-14
FESS-WAVA Synthesis Paper (a.k.a., Sahel and Cities Synthesis Papers)	15-Feb-14	14-March-14
Integrating Climate Change Adaptation into Biodiversity and Forestry Assessments and Programs	18-Jan-13	TBD
Downscaling Climate Projections - Review of Existing Methods	15-Jul-13	TBD
Adaptation and Governance	14-Dec-12	TBD
Design and use of Composite Indices in Assessments of Climate Change Vulnerability and Resilience	4-Jan-13	TBD
Working Paper on Spatial Climate Change Vulnerability Assessments: A Review of Data, Methods and Issues	14-Jun-13	TBD
Strength in Diversity: the case for a broad view of successful adaptation to climate change	13-Sep-13	TBD
Improving Analysis of Climate Change Adaptation Networks and Institutions in Africa (Report and Summary and Database)	29-May-13	19-Dec-13
Compendium w/ Case Studies	19-May-14	TBD
Uganda Brief on Infrastructure and Climate Change	14-May-14	TBD
Uganda Brief on Health and Climate Change	14-May-14	TBD
Uganda Brief on Biodiversity and Climate Change	14-May-14	TBD
Ghana Grantee Final Research Paper	28-Feb-14	23-June-14
Kenya Grantee Final Research Paper	28-Feb-14	23-June-14
Burkina Faso Grantee Final Research Paper	31-Dec-14	23-June-14
Addressing Global Food Security Under A Changing Climate	12-Sep-13	NA

The Role of An Ecosystems Lens in Assessing Vulnerability and Enabling Adaptation (Working Title)	21-Aug-13	NA
Climate Change Adaptation and Development: How the Climate Lens Influences Decision Making and Practice	30-Aug-13	TBD
Climate Change Issues Affecting Small Holder Agriculture (a.k.a., Agricultural Interventions Matrix) and Overview	8-Apr-13	TBD
Improving Vulnerability Assessment and Climate Change Adaptation by Applying Impact Assessment Processes - Ten Principles	1-Mar-12	TBD
Analyzing Climate Change Adaptation Options Under Uncertainty	25-Jan-13	TBD
Experts' Meeting on Climate Change Vulnerability Assessment Utility and Uptake	15-May-14	28-May-14

U.S. Agency for International Development

1300 Pennsylvania Avenue, NW

Washington, D.C. 20523

Tel: (202) 712-0000

Fax: (202) 216-3524

<http://www.usaid.gov>