



United Nations  
Economic Commission for Africa

*Report on*  
*Mapping of Climate Information Services*  
*(CIS) Institutions*

*Report period: May to June 2018*



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## **Acknowledgment**

*This report was made possible by the contribution of people from different institutions who contributed their time and efforts for the success of the CIS mapping. The author would like to acknowledge colleagues: Dr. Bonizella Biagini, Ms. Annalisa Viray - United Nations development programme, Mr. Gerald Kairu, MS. Felicite Vodounhessi, Mr. Frederik Pischke - Global Water Partnership, Dr. Desire Kagabo, Mr. Jonathan Hellin, Ms. An Notenbaert - CGIAR, Dr. Yvonne Uwase Munyangeri, Dr. Débísí Àràbà, Mr. Mark Lundy, Dr. Peter Laderach - International Center for Tropical Agriculture (CIAT), Mr. Nelson Kimazi - United Nations Environment Programme, Dr. Vincent Bado - International Crops Research Institute for Semi-Arid Tropics (ICRISAT), Dr. James Dalton, Ms. Claire Warmenbol, Mr. Matthias Daun, Mr. Branko Wehnert, Mr. Klemens Riha, Dr. Matthias Bartels, Dr. Gerhard Lichtenthaler, Ms. Annelie Janz, Ms. Ruth Moraa, Dr. Mathias Braun - Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), Mr. Albert Nikiema – Food and Agriculture Organization of the United Nations (FAO), Mr. Robert O’Sullivan - Winrock International, Ms. Susanna De Sousa - UN World Food Programme, Ms. Arenas-Calle, challinor - University of Leeds, Dr. James Hansen, Ms. Alison Rose – Climate change, Agriculture and Food Security (CCAFS), Mr. Henry Rene Diouf - United Nations Development Programme (UNDP), Mr. Paris Kazis – World Food Program, Dr. Frank Rutabingwa, Mr. Charles Muraya, Dr. Yoseph Amha, and Mr. Amanuel GebereMariam – African climate policy center (ACPC) who provided insight and expertise that greatly assisted the CIS mapping.*

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## **1. INTRODUCTION**

Climate information (CI) and climate information services can be used to make Africa resilient to climate change through well-informed Agriculture, Water, Energy, Infrastructure, and Health sector decision-makers and planners across the different dimensions. Consequently, understanding of Climate services (CS) is essential in making informed and appropriate plans to deal with climate-related impacts. Moreover, Climate services have to be provided to people and organizations with timely, tailored climate-related knowledge and information that is vital for the day-to-day decision-making. Although, CS is very important to many countries they do not have a systematic process of packaging, translating and disseminating climate services that are responsive to different stakeholders. Some challenges are an inadequate budget, infrastructure, and human resource as well as the limited incorporation of CS into the country's national development planning among many others. However, it is highlighted most initiatives and interventions on climate information and services on the continent are fragmented and mainly uncoordinated. Thus, implying the urgent need for coordination of multiple actors implementing, funding and promoting climate services. Consequently, development of a regional platform that engages Global Framework for Climate Services (GFCS) and the African Climate Policy Centre (ACPC) as partners for ensuring a platform with content that is demand driven and accessible and user-friendly commenced.

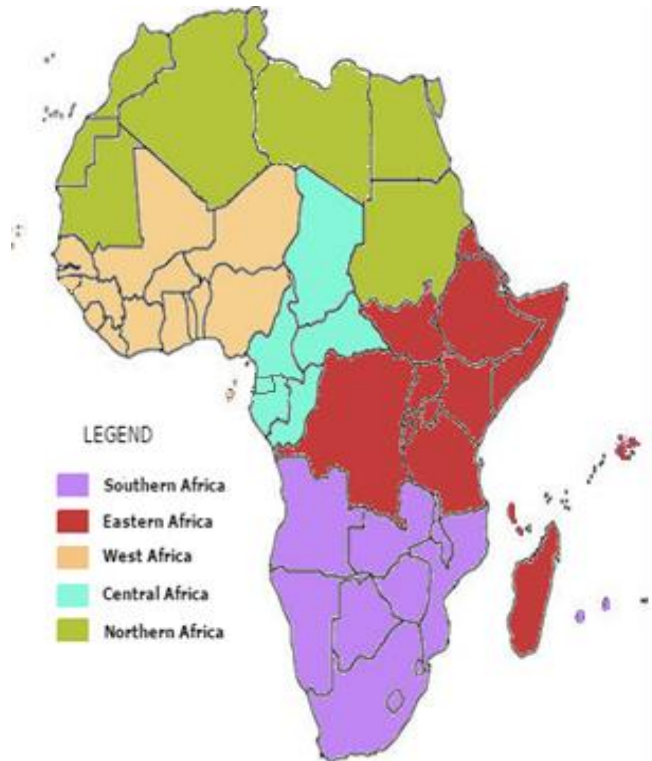
## **2. CLIMATE SERVICE MAPPING**

To accomplish the objectives of enhancing the coordination of CS activities in the continent, primary task focused on the development of an inventory of initiatives, programmes and projects based on a template that was originally produced by Global Framework for Climate Services (GFCS). The mapping of CIS project/initiatives/programme, so far one-hundred seventy six project/initiatives/programme had been identified.

## 2.1. Regional Classification

The Projects/ Initiatives/ Programmes location have been categorized according to the UN regional classification system. Which are classified into five regions such as Eastern Africa, Central Africa, North Africa, Southern Africa and West Africa.

**Eastern Africa includes fourteen countries:** the Republic of Burundi, the Union of Comoros, the Democratic Republic of the Congo, the Republic of Djibouti, the Federal Democratic Republic of Ethiopia, the state of Eritrea, the Republic of Kenya, the Republic of Madagascar, the Republic of Rwanda, the Republic of Seychelles, the Federal Republic of Somalia, the Republic of South Sudan, the United Republic of Tanzania, and the Republic of Uganda.



**Central Africa includes seven countries:** the Republic of Cameroon, the Republic of Chad, the Central African Republic,

**Figure 1 UN Regional Classification** the Republic of the Congo, the Republic of Equatorial Guinea, the Gabonese Republic, and the Democratic Republic of Sao Tome and Principe.

**North Africa includes seven countries:** the People's Democratic Republic of Algeria, the Arab Republic of Egypt, Libya, the Islamic Republic of Mauritania, the Kingdom of Morocco, the Republic of Sudan, and the Republic of Tunisia.

**Southern Africa includes eleven countries:** the Republic of Angola, the Republic of Botswana, the kingdom of Lesotho, the Republic of Malawi, the Republic of Mauritius, the Republic of Mozambique, the Republic of Namibia, the Republic of South Africa, the Kingdom of Swaziland, the Republic of Zambia, and the Republic of Zimbabwe.

**West Africa includes fifteen countries:** the Republic of Benin, Burkina Faso, Republic of Cabo Verde, the Republic of Côte d'Ivoire, the republic of Gambia, the Republic of Ghana, Guinea, the

Republic of Guinea-Bissau , the Republic of Liberia, the Republic of Mali, the Republic of the Niger, the Federal Republic of Nigeria, the Republic of Senegal, the Republic of Sierra Leone, and Togo.

- ❖ Note that Projects/initiatives/ Programme have been also classified by mandate coverage for easy of organizing.

## **2.2. Data Mining and Interpretation**

For the acquisition of the information, data mining which comprised identifying active pipeline and proposed project/initiatives/programme, an objective of the project/ initiative, activities, development partners, implementing agencies, funding, timelines, as well as geographical coverage had been undertaken to understand the demand on CIS.

The mapping of CIS project/initiatives/programme had been undertaken by establishing a mode of communication with several institutes and organizations, thus so far one-hundred seventy six project/initiatives/programme had been identified. Furthermore, to accomplish the tasks the method of data collection through secondary sources had been deployed. These sources include websites, softcopies, and e-mail communication with different institutions/organizations. It was found that the line of communication through email was very instrumental for the collection of the needed data. The data provide by this institutes/organizations are further cross-checked with the information at hand. Moreover, links and coordinates to projects/ initiatives/programs location were collected for developing interactive (Google type) map.

### **2.2.1. Currency Conversion**

The data that was collected were analyzed through Microsoft excel. Moreover, XE currency convertor was used for converting the different currencies to USD. XE is part of Euronet Worldwide (NASDAQ: EEFT) family, which includes Ria and HiFX, who are recognized as formidable leaders in currency exchange (<https://xe.com/currencyconverter/>). This conversion has made it possible to understand the different exchange rate and make possible the amount that is being invested in Africa on CIS.

**Table 1 Currency Exchange Rate**

Currency Exchange

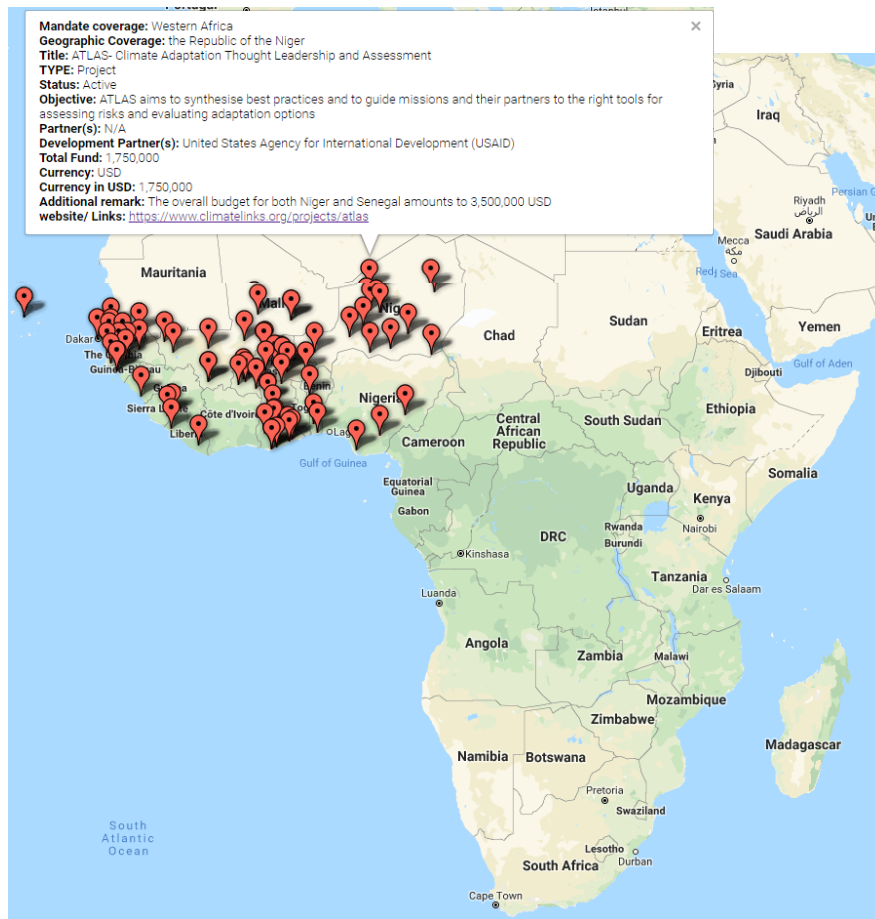
<b>Norwegian Krone – USD</b>	1 NOK = 0.122378 USD
<b>Swiss Franc – USD</b>	1 CHF = 1.01291 USD
<b>Euro – USD</b>	1 EUR = 1.16912 USD
<b>Rwandan Franc - USD</b>	1 RWF = 0.00115406 USD
<b>British Pound - USD</b>	1 GBP = 1.32839 USD

Source:(XE currency Convertor)

### 2.2.2. Interactive Map

The interactive map had been developed on the United Nation website/ ACPC under the WISER page. The data that were collected were interpreted by using Google Fusion Tables that is a web service provided by Google for data management. This fusion tables was used for gathering, visualizing and sharing data tables for creating the interactive map. The interactive map currently shows different projects, programmes, and initiatives on the Western Africa sub-region and can be accessed through the link <https://www.uneca.org/wiser/pages/cis-projectsprogrammesinitiatives>.

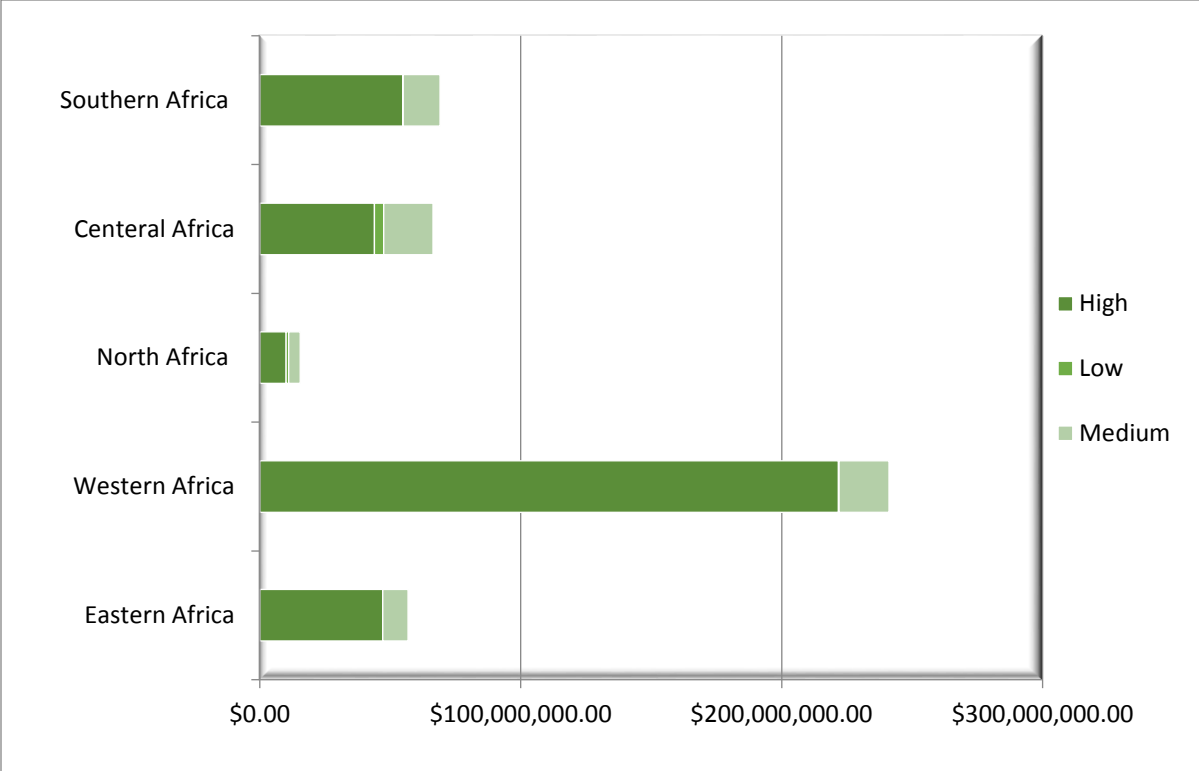




**Figure 2 Showing West Africa CIS Projects/ Program/ Initiatives**  
 Source: (Author, 2018)

### 2.3. Implication of the Climate Service Mapping

The mapping highlighted that most project/initiatives/programme are rigorously focused on Eastern and Western Africa sub-regions followed by southern Africa indicating more investment on CIS in the aforementioned sub-regions. The mapping further highlighted that project/initiatives/programme are highly focused on areas of *capacity building*, seconded by *adaptation and mitigation* followed by *research* activities. This is depicted additionally in the sub-regions of Eastern, Western, and Southern Africa. Whereas, the sub-regions Central, and northern Africa implicated both capacity building and adaptation and mitigation project/ initiative are going simultaneously.



**Figure 3 Funding in Sub regions**

Source: (Author, 2018)

The five sub-regions overall funding on CIS on different sectors so far shows 1,872,675,068 USD. The above figure indicates there are high budget funding development in the Western sub-region and while the other four sub-regions are somewhat in medium range investment category.

**3. Conclusion**

In the future, the continuation of data mining and acquisition need to be upheld to achieve the objective of the WISER project. Moreover, as time is crucial for acquiring data and developing the map for the Eastern, Central, Northern and Southern sub-regions time extension is mandatory. It is also recommended that the established communication with the different institutes continue and collaboration on activities involving CIS and climate change related issues.

## ANNEX 1

**Table 2 List of Contributors form Different Institutions**

<b>Project Title</b>	<b>Contacts</b>
<b>Climate Information For Resilient Development and Adaptation to Climate Change In Africa</b>	Bonizella Biagini ( <a href="mailto:bonizella.biagini@undp.org">bonizella.biagini@undp.org</a> ) Annalisa Viray ( <a href="mailto:annalisa.viray@undp.org">annalisa.viray@undp.org</a> )
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<b>Climate Services For Agriculture: Empowering Farmers To Manage Risk And Adapt To A Changing Climate In Rwanda</b>	Yvonne Uwase Munyangeri ( <a href="mailto:yvonnewase@gmail.com">yvonnewase@gmail.com</a> )
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<b>Inquiry on Operationalising Green Economy Transition in Africa</b>	Nelson Kimazi ( <a href="mailto:nelson.kimanzi@un.org">nelson.kimanzi@un.org</a> )
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<b>Biodiversity Management and Climate Change (BMCC) in Namibia</b>	Klemens Riha ( <a href="mailto:klemens.riha@giz.de">klemens.riha@giz.de</a> )
<b>Territorial Approach to Climate Change Adaptation (EKF)</b>	Mathias Braun ( <a href="mailto:paulmathias.braun@giz.de">paulmathias.braun@giz.de</a> )
<b>Adaptation to Climate Change in the Water Sector in the MENA Region</b>	Dr. Gerhard Lichtenthaeler ( <a href="mailto:gerhard.lichtenthaeler@giz.de">gerhard.lichtenthaeler@giz.de</a> )

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<b>Climate-smart Dairy Systems in East Africa through Improved Forage and Feeding Strategies</b>	An Notenbaert ( <a href="mailto:a.notenbaert@cgiar.org">a.notenbaert@cgiar.org</a> )
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<b>Assessing Sustainability and Effectiveness of Climate Information Services in Africa (Sustainable CIS)</b>	Robert O'Sullivan ( <a href="mailto:robert.osullivan@winrock.org">robert.osullivan@winrock.org</a> )
<b>Scaling Up Climate-Smart Agriculture Technologies for Improved Food and Nutrition Security In Niger</b>	Vincent Bado ( <a href="mailto:v.bado@cgiar.org">v.bado@cgiar.org</a> )
<b>Operationalising Green Economy Transition in Africa</b>	Nelson kimanzi ( <a href="mailto:nelson.kimanzi@un.org">nelson.kimanzi@un.org</a> )
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**FoodSECuRE**

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ANNEX 2

No.	Mandate coverage	Geographic Coverage	Title	Type	Status	Objective	Partner(s)	Implementing Partner	Development Partner(s)	Total Fund	Currency	Currency in USD	Additional remark	website/ Links
1	Eastern Africa	the Republic of Burundi, the Republic of Madagascar, the Republic of Rwanda, the Republic of Uganda, the United Republic of Tanzania	Improving Dissemination of Weather Forecasts and Warnings Through Radio and Television	Project	2013 -	Assist National Meteorological and Hydrological Services (NMHSs) in delivering high quality services to the public through radio and television	UK Met Office	WMO Public Weather Services (PWS)	Norway	197,239	CHF	24,137.68		<a href="https://public.wmo.int/en/projects/improving-dissemination-of-weather-forecasts-and-warnings-through-radio-and-television">https://public.wmo.int/en/projects/improving-dissemination-of-weather-forecasts-and-warnings-through-radio-and-television</a>
2	Eastern Africa	the Democratic Republic of the Congo	GLOBE Legislators Advancing REDD+ and Natural Capital Governance Towards the Delivery of the 2030 Agenda	Project	2017 - 2021	To Enable National Legislators to Advance Policies and Laws for Integration of Natural Capital Approach and REDD+ into Development Policies	United Nations Environment Programme, Global Legislators Organization for a Balanced Environment (GLOBE) Secretariat A.C.	United Nations Environment Programme	Global Environment Facility (GEF) Trust Fund	1,498,632	USD	1,498,632	The overall budget is 4,495,897 for Democratic republic of Congo, Senegal Nigeria	<a href="https://www.thegef.org/project/globe-legislators-advancing-redd-and-natural-capital-governance-towards-delivery-2030-agenda">https://www.thegef.org/project/globe-legislators-advancing-redd-and-natural-capital-governance-towards-delivery-2030-agenda</a>
3	Eastern Africa	the Democratic Republic of the Congo	Mai-Ndombe REDD+ Integrated Project (GEF)	Project	2018 Proposed	To test new approaches to improve community livelihoods and forested landscape management, and to reduce greenhouse gas emissions from deforestation and forest degradation in selected areas in the Recipient's territory.	The World Bank, the Democratic Republic of the Congo	The World Bank	Global Environment Facility (GEF)Trust Fund	38,630,046	USD	38,630,046		<a href="https://www.thegef.org/project/mai-ndombe-redd-integrated-project-gef">https://www.thegef.org/project/mai-ndombe-redd-integrated-project-gef</a>
4	Eastern Africa	the Democratic Republic of the Congo	Democratic Republic of Congo: Strengthening Hydro-Meteorological and Early Warning Services	Project	July 2017 – June 2022	To improve the quality of the Government of the DRC's hydro-meteorological and early warning services	The World Bank - the Global Facility for Disaster Reduction and Recovery (GFDRR) - World Meteorological Organization (WMO), Climate risk & early warning system (CREWS)	World Bank/the Global Facility for Disaster Reduction and Recovery (GFDRR), World Meteorological Organization (WMO)	CREW	11,119,453	USD	11,119,453		<a href="http://www.crews-initiative.org/en/projects/democratic-republic-of-congo-strengthening-hydro-meteorological-and-early-warning-services">http://www.crews-initiative.org/en/projects/democratic-republic-of-congo-strengthening-hydro-meteorological-and-early-warning-services</a>
5	Eastern Africa	the Republic of Djibouti	Establishment of a Climate Prediction Analysis System in Djibouti	Project	Active	To develop sound weather and climate information and capacity and use such information for decision-making at national level	IGAD Climate Prediction Analysis Centre (ICPAC)		Korea Meteorological Administration (KMA)	130,000	CHF	131,678.91		<a href="https://public.wmo.int/en/projects/establishment-of-climate-prediction-analysis-system-djibouti">https://public.wmo.int/en/projects/establishment-of-climate-prediction-analysis-system-djibouti</a>
6	Eastern Africa	the Federal Democratic Republic of Ethiopia	Bale Mountains Eco-region REDD+ project, ETHIOPIA	Project	2012-2031	To ensure a sustainable financing mechanism for OFWE and Community to sustain their forest management efforts beyond the BERSMP project	Oromia Forest and Wildlife Enterprise, Farm Africa / SOS Sahel							<a href="http://vcsprojectdatabase.org/#/ccb-all-project-details/1340">http://vcsprojectdatabase.org/#/ccb-all-project-details/1340</a>
7	Eastern Africa	the Federal Democratic Republic of Ethiopia	Climate Change Adaptation in the Lowland Ecosystems of Ethiopia	Project	2018 Proposed	To promote climate change adaptation and sustainable economic growth among communities in Ethiopia's lowland ecosystems	United Nations Development Programme, Ministry of Environment and Forest	United Nations Development Programme (UNDP)	The Least Developed Countries Fund (LDCF)	47,136,073	USD	47,136,073		<a href="https://www.thegef.org/project/climate-change-adaptation-lowland-ecosystems-ethiopia">https://www.thegef.org/project/climate-change-adaptation-lowland-ecosystems-ethiopia</a>
8	Eastern Africa	the Federal Democratic Republic of Ethiopia	Strengthening Climate Information and Early Warning Systems to Support Climate Resilient	Project	2013 - 2017	To strengthen the climate monitoring capabilities, early warning systems and available information for responding to climate shocks and planning adaptation to climate change in Ethiopia	National Meteorological Agency, Disaster Risk Management and Food Security Sector, United Nations Development Programme	United Nations Development Programme (UNDP)	The Least Developed Countries Fund (LDCF)	38,336,410	USD	38,336,410		<a href="https://www.thegef.org/project/strengthening-climate-information-and-early-warning-systems-support-climate-resilient">https://www.thegef.org/project/strengthening-climate-information-and-early-warning-systems-support-climate-resilient</a>

			Development and Adaptation to Climate Change											<a href="https://sites/default/files/project_documents/ID4992%2520%2520Ethiopia_EWS_Revised%2520Prodoc%252017july2013.pdf">g/sites/default/files/project_documents/ID4992%2520%2520Ethiopia_EWS_Revised%2520Prodoc%252017july2013.pdf</a>
9	Eastern Africa	the Federal Democratic Republic of Ethiopia	CCA Growth: Implementing Climate Resilient and Green Economy Plans in Highland Areas in Ethiopia	Project	2016-Proposed	To mainstream climate risks into national and sub-national planning processes thereby increasing the resilience of local communities across the Ethiopian highlands to climate change.	United Nations Development Programme, Ministry of Environment, Forest and Climate Change	United Nations Development Programme (UNDP)	The Least Developed Countries Fund (LDCF)	16,827,000	USD	16,827,000		<a href="https://www.thegef.org/project/cca-growth-implementing-climate-resilient-and-green-economy-plans-highland-areas-ethiopia">https://www.thegef.org/project/cca-growth-implementing-climate-resilient-and-green-economy-plans-highland-areas-ethiopia</a>
10	Eastern Africa	the Federal Democratic Republic of Ethiopia	Climate Information for Resilient Development and Adaptation to Climate Change in Africa (CIRDA)	Programme	2014 - 2018	To strengthen national climate information systems as well as to benefit from regional coordination and draw upon a platform of knowledge management	United Nations Development Programme (UNDP), Global Environment Facility (GEF)	United Nations Development Programme (UNDP)	The Least Developed Countries Fund (LDCF)	4,500,000	USD	4,500,000		<a href="http://www.adaptation-undp.org/projects/cirda">http://www.adaptation-undp.org/projects/cirda</a>
11	Eastern Africa	the Federal Democratic Republic of Ethiopia	CommonSense - G4AW	Project	January 1/2015 – December 31/2018	Improves food security in developing countries by using satellite data.	Geodata for Agriculture and Water (G4AW), Alterra, Wageningen-UR, (Netherlands), APPOSIT (Ethiopia), Exotalent (Ethiopia), Busaa Gonofaa (Ethiopia), SFPI (Ethiopia), HARBU Microfinance Institution (Ethiopia), ICCO/TerraFina (Netherlands), Airbus Defence and, Space Netherlands (Netherlands), Weather Impact (Netherlands)		Geodata for Agriculture and Water (G4AW), Dutch Ministry of Foreign Affairs	5,120,635	EUR	6,039,599	Project extension granted	<a href="https://g4aw.spaceoffice.nl/en/projects/G4AW-projects">https://g4aw.spaceoffice.nl/en/projects/G4AW-projects</a>
12	Eastern Africa	the Federal Democratic Republic of Ethiopia	Food Security and Global Framework for Climate Services	Project		To strengthen the operational resources of National Meteorological Services to further provide weather/climate information and services to rural farmers and strengthen early warning systems for weather and climate risk management in the agricultural sector	National Meteorology Agency of Ethiopia		Irish-Aid	400,000	EUR	400,000		<a href="https://public.wmo.int/en/projects/food-security-and-global-framework-climate-services">https://public.wmo.int/en/projects/food-security-and-global-framework-climate-services</a>
13	Eastern Africa	the Federal Democratic Republic of Ethiopia	Livelihoods, Early Assessment and Protection (LEAP)	Initiative		To ensure early and well-targeted response, to protect livelihoods and save lives.	The World Food Programme (WFP)							<a href="http://www.wfp.org/climate-change/initiatives/livelihoods-early-assessment-protection">http://www.wfp.org/climate-change/initiatives/livelihoods-early-assessment-protection</a>
14	Eastern Africa	the Federal Democratic Republic of Ethiopia	Participatory Forest Management (PFM)	Project	2013 - 2018	Participatory forest management is practiced in and near watersheds, as part of the national Sustainable Land Management Program (SLMP)	Ministry of Agriculture	Ethiopian Ministry of Agriculture	German Federal Ministry for Economic Cooperation and Development (BMZ)					<a href="https://www.giz.de/en/worldwide/32891.html">https://www.giz.de/en/worldwide/32891.html</a>

15	Eastern Africa	the Federal Democratic Republic of Ethiopia	Mainstreaming Incentives for Biodiversity Conservation in the Climate Resilient Green Economy Strategy (CRGE)	Project	2015 -	The Biodiversity of Ethiopia is Better Protected From Current and Future Threats by Ensuring Development and Investment Decisions do not Impact Negatively on Biodiversity	United Nations Development Programme, The Environmental Protection Authority; The Environmental Protection Bureaus of the Oromia, Harari Somali Southern Nations, Nationalities and Peoples Regional State; Dilla University, Wollega University and Arba Minch University	United Nations Development Programme	Global Environment Facility(GEF)Trust Fund	19,406,393	USD	19,406,393		<a href="https://www.thegef.org/project/mainstreaming-incentives-biodiversity-conservation-climate-resilient-green-economy-strategy">https://www.thegef.org/project/mainstreaming-incentives-biodiversity-conservation-climate-resilient-green-economy-strategy</a>
16	Eastern Africa	the Federal Democratic Republic of Ethiopia	R4 Rural Resilience Initiative	Initiative	2009 - 2020	To enable vulnerable rural families to increase their food and income security by managing climate-related risks	The World Food Programme (WFP) and Oxfam America (OA)		WFP and Oxfam by sponsors, Swiss Agency for Development and Cooperation (SDC)	12,484,169	USD	12,484,169	The 12,484,169 USD figure is from 2009 - 2017. The Overall budget is 28,199,700 USD including other countries in Africa	<a href="http://www1.wfp.org/r4-rural-resilience-initiative">http://www1.wfp.org/r4-rural-resilience-initiative</a>
17	Eastern Africa	the Federal Democratic Republic of Ethiopia, the Republic of Kenya, the Republic of Madagascar, the United Republic of Tanzania, the Republic of Uganda	Africa Climate-Smart Agriculture Alliance	Initiative	2014 - 2021	For mainstreaming climate change in agriculture	NEPAD, international NGOs (Care, Oxfam, World Vision, CRS, and Concern Worldwide), African regional institutions (COMESA, ECOWAS, and PAFO) and technical partners (CGIAR-CCAFS, FANRPAN, FAO, and FARA)							<a href="https://ccafs.cgiar.org/blog/africa-csa-alliance-path-implementation#.WxigX-6FPcs">https://ccafs.cgiar.org/blog/africa-csa-alliance-path-implementation#.WxigX-6FPcs</a>
18	Eastern Africa	the Federal Democratic Republic of Ethiopia, the Republic of Kenya, the Republic of Madagascar, the Republic of Rwanda, the United Republic of Tanzania, the Republic of Uganda	ENACTS – Enhancing National Climate Services (ENACTS)	Initiative	2008 -	The Enhancing National Climate Services (ENACTS) initiative transforms local, national and regional climate-sensitive development decisions through the widespread uptake of timely, relevant, locally-enhanced and quality-assured climate information at relevant spatial and temporal scales.	ACPC, SERVIR, United States Agency for International Development (USAID), CGIAR, CCAFS, AGRHYMET		International Research Institute for Climate and Society (IRI), NASA, World Meteorological Organization (WMO), United States Agency for International Development (USAID), Department for International Development (DFID), NIH, World Health Organisation (WHO), Columbia University project, Global Framework for Climate Services (GFCS) Programme					<a href="http://www.climhealthafrica.org/projects-enacts">http://www.climhealthafrica.org/projects-enacts</a>



19	Eastern Africa	the Federal Democratic Republic of Ethiopia ,the United Republic of Tanzania, the Republic of Uganda, the Republic of Kenya	Predictive Technologies for Climate-Smart Agriculture	Project		To use models and data to generate evidence for CSA, focusing on quantifying trade-offs and synergies between the three CSA pillars (resilience, mitigation, and productivity) for select CSA practices	University of Leeds, in partnership with the International Center for Tropical Agriculture (CIAT) and CCAFS F2							<a href="https://ccafs.cgiar.org/predictive-technologies-climate-smart-agriculture#.WI8GjK6WblU">https://ccafs.cgiar.org/predictive-technologies-climate-smart-agriculture#.WI8GjK6WblU</a>
20	Eastern Africa	the Federal Democratic Republic of Ethiopia,the Republic of Kenya,the United Republic of Tanzania,the Republic of Uganda	The Social Impact of Weather Insurance for Agriculture	Project	2015 - 2018	Mitigate the risk of new technologies or inputs, allowing farmers to increase their production or income without worrying about suffering losses or slipping into debt.	International Maize and Wheat Improvement Center (CIMMYT),the International Research Institute for Climate and Society (IRI), University of Reading's School of Agriculture, Pula Consulting in Nigeria, the World Bank and ACRE Africa	International Maize and Wheat Improvement Center (CIMMYT) and the International Research Institute for Climate and Society (IRI)		300,000	USD	300,000	The overall buget is 600,000 USD. 200,000 USD is per annum for both West and East region	<a href="https://ccafs.cgiar.org/social-impact-weather-insurance-agriculture#.WI - Ca6WblU">https://ccafs.cgiar.org/social-impact-weather-insurance-agriculture#.WI - Ca6WblU</a>
21	Eastern Africa	the Federal Democratic Republic of Ethiopia, the Republic of Kenya, the Republic of Uganda	Operationalizing Green Economy Transition in Africa	Project	2014 - 2018	The transition to a green economy, and to introduce in the partner countries at the sub-national levels (county, district, region)	Ethiopia: Ministry of Environment and Forest; Ghana: Environmental Protection Agency; Kenya: Ministry of Environment, Water and Natural Resources; Rwanda: Rwanda Environmental Management Authority (REMA)	Ethiopia: Ministry of Environment and Forest; Ghana: Environmental Protection Agency; Kenya: Ministry of Environment, Water and Natural Resources; Rwanda: Rwanda Environmental Management Authority (REMA)	Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB)	1,725,000	USD	1,725,000	The overall budget including Ghana is 2,300,000	<a href="https://www.giz.de/en/worldwide/32044.html">https://www.giz.de/en/worldwide/32044.html</a>
22	Eastern Africa	the Federal Democratic Republic of Ethiopia, the Republic of Rwanda	Assessing Sustainability and Effectiveness of Climate Information Services in Africa (Sustainable CIS)	Project	2016-2018	To generate and analyze new information, evidence, and learning on the effective and sustainable production, delivery and use of climate information to improve decision-making and outcomes for rural agricultural livelihood.	Global Framework for Climate Services (GFCS) , CSAG,CILSS, Institute for Climate and Society (IRI), WINROCK, World Meteorological Organization (WMO)	United States Agency for International Development (USAID)	United States Agency for International Development (USAID)					<a href="https://www.climateiniks.org/project/assessing-sustainability-and-effectiveness-climate-information-services-0">https://www.climateiniks.org/project/assessing-sustainability-and-effectiveness-climate-information-services-0</a>
23	Eastern Africa	the Federal Democratic Republic of Ethiopia, the Republic of Madagascar, the United Republic of Tanzania	Vulnerability and Adaptation Assessments			Evaluate current and future vulnerability (i.e. the susceptibility of a population or region to harm) to the health risks of climate change, and identify policies and programmes that could increase resilience, taking into account the multiple determinants of climate-sensitive health outcomes.	World Health Organisation (WHO), and Gesellschaft für Internationale Zusammenarbeit (GIZ), with support from Global Framework for Climate Services (GFCS) in Malawi and Tanzania		World Health Organisation (WHO), and Gesellschaft für Internationale Zusammenarbeit (GIZ)					<a href="http://www.climhealthafrica.org/projects-vulnerability-and-adaptation-assessments">http://www.climhealthafrica.org/projects-vulnerability-and-adaptation-assessments</a>
24	Eastern Africa	the Federal Democratic Republic of Ethiopia, Tanzania, the Republic of Kenya, the United Republic of Tanzania,, the Republic of Madagascar	WHO UNFCCC Climate and Health Country Profiles	Project		Aim to provide country-specific, evidence-based snapshots of the climate hazards and health risks facing countries								<a href="http://www.who.int/globalchange/resources/countries/en/">http://www.who.int/globalchange/resources/countries/en/</a>

25	Eastern Africa	the Republic of Kenya	R4 Rural Resilience Initiative	Initiative	2017-2020	To enable vulnerable rural families to increase their food and income security by managing climate-related risks	The World Food Programme (WFP) and Oxfam America (OA)	The World Food Programme (WFP) and Oxfam America (OA)	WFP and Oxfam by sponsors, Swiss Agency for Development and Cooperation (SDC)	8,874,790	USD	8,874,790	The 8,874,790 USD figure is for year 2017. The overall budget is 28,199,700 USD including other countries in Africa	<a href="http://www1.wfp.org/r4-rural-resilience-initiative">http://www1.wfp.org/r4-rural-resilience-initiative</a>
26	Eastern Africa	the Republic of Kenya	Territorial Approach to Climate Change Adaptation (EKF)	Project	2014 - 2019	Women, men and children in the selected target groups sustainably manage the natural resources that are essential for ensuring food security	Ministry of Agriculture, Livestock and Fisheries	Ministry of Agriculture, Livestock and Fisheries	German Federal Ministry for Economic Cooperation and Development (BMZ)	5,000,000	EUR	5,846,296.4		<a href="https://www.giz.de/en/worldwide/30615.html">https://www.giz.de/en/worldwide/30615.html</a>
27	Eastern Africa	the Republic of Kenya	WISE-UP	Project	2013-2017	Aimed to develop knowledge on how to use combinations of built water infrastructure (eg. dams, levees, irrigation channels) together with natural infrastructure (eg. wetlands, floodplains, watersheds) for poverty reduction, water-energy-food security, biodiversity conservation, and climate resilience	the Council for Scientific and Industrial Research in Ghana (CSIR), The African Collaborative Center for Earth System Sciences (ACCESS) – University of Nairobi, the International Water Management Institute (IWMI), the Overseas Development Institute (ODI), the University of Manchester, the Basque Centre for Climate Change (BC3), and the International Union for Conservation of Nature (IUCN)		International Climate Initiative (IKI) of the German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)	1,766,000	EUR	2,064,668.1	Overall budget for WISE-UP was €5.3m. Around €1.5m was used at the basin level for the Volta and the Tana, so around 3, probably a little more was at country/basin level, and for activities in-country. Around €2m was used to support the scientific work around economics, political economic, modelling and trade-off development, communications, etc. It is hard to be exact as a lot of the effort was at the country level.	<a href="http://www.waterandnature.org/initiatives/wise-climate">http://www.waterandnature.org/initiatives/wise-climate</a>
28	Eastern Africa	the Republic of Kenya, the United Republic of Tanzania, the Republic of Uganda	Integrating Hydro-Climate Science into Policy Decisions for Climate-Resilient Infrastructure and Livelihoods in East Africa (HYCRISTAL)	Project	1 June 2015 - 30 June 2019	Develop new understanding of climate change and its impacts in East Africa, working with the region's decision-makers to manage water for a more climate-resilient future	University of Leeds, African Centre for Technology Studies, British Geological Survey, Centre for Ecology and Hydrology (UK), Evidence for Development, Jomo, Kenyatta University, Loughborough University, Met Office (UK), National Centre for Atmospheric Science (UK), North Carolina State University, Practical Action		Department for International Development and Natural Environment Research Council, NERC					<a href="http://www.futureclimateafrica.org/project/hycristal/">http://www.futureclimateafrica.org/project/hycristal/</a>

							Reading (Africa Climate Exchange)							
29	Eastern Africa	the Republic of Madagascar	Madagascar - Madagascar Pilot Program for Climate Resilience Phase I	Project	2017- 2018	To support Madagascar in the formulation of a Strategic Program for Climate Resilience (SPCR) and the development of a programmatic multi-sector and climate resilient investment plan, and to establish the enabling environment for its implementation	Cellule de Prevention et Gestion des Urgences, The Republic of Madagascar	N/A	CIF/PPCR	1,500,000	USD	1,500,000.00		<a href="http://projects.worldbank.org/P158816/?lang=en&amp;tab=overview">http://projects.worldbank.org/P158816/?lang=en&amp;tab=overview</a>
30	Eastern Africa	the Republic of Madagascar	RIASCO Regional Response Plan for the El Niño-induced Drought in Southern Africa	Program		To support Governments to ensure that alongside the necessary humanitarian response they can address systemic issues necessary to avoid repeat shocks and build resilience. is latest crisis provides a unique opportunity for joint action amongst diverse stakeholders, by enhancing our collective understanding of the range of response options along the humanitarian, resilience, macro-economic and risk management spectrum.			World Health Organisation (WHO)					<a href="https://reliefweb.int/report/world/riasco-action-plan-southern-africa-response-plan-el-ni-o-induced-drought-southern">https://reliefweb.int/report/world/riasco-action-plan-southern-africa-response-plan-el-ni-o-induced-drought-southern</a>
31	Eastern Africa	the Republic of Rwanda	Building Climate Services Capacity in Rwanda	Project	2016-2019	To improve the supply, communication and use of climate-related information in a balanced manner using products co-developed by both providers and users.	Meteo-Rwanda, MINAGRI, Rwanda Agriculture Board (RAB), International Centre for Tropical Agriculture (CIAT), International Livestock Research Institute (ILRI), World Agroforestry Centre (ICRAF), International Research Institute for Climate & Society (IRI) based at Columbia University and Reading University.		Department for International Development (DFID) /Rwanda					<a href="https://ccafs.cgiar.org/building-climate-services-capacity-rwanda#.W18L066WblU">https://ccafs.cgiar.org/building-climate-services-capacity-rwanda#.W18L066WblU</a>
32	Eastern Africa	the Republic of Rwanda	MINAGRI Climate Mainstreaming Pilot for Rwanda's Coffee and Tea Sectors	Project	December 2/ 2015 - 2018	Focuses on the tea and coffee programme, as key export crops which are highly climate sensitive	NAEB (National Agricultural Export Development Board), RAB (Rwanda Agriculture Board), Sustainable Harvest, Wood Foundation, Paul Watkiss Associates	Ministry of Agriculture and Animal Resources (MINAGRI), the National Agricultural Export Development Board (NAEB) and the Rwanda Agriculture Board (RAB)	DFID Rwanda's Programme of Support to Agriculture (PoSA) and the new Technical Assistance Facility (TAF	2,000,000,000	RWF	2,305,947		<a href="http://www.fonerwa.org/portfolio/climate-mainstreaming-pilot-rwandas-coffee-and-tea-sectors">http://www.fonerwa.org/portfolio/climate-mainstreaming-pilot-rwandas-coffee-and-tea-sectors</a>
33	Eastern Africa	the Republic of Rwanda	Establishment of a Climate Prediction Analysis System in Rwanda	Project		To develop sound weather and climate information and capacity and use such information for decision-making at national level	Rwanda Meteorological Agency		Korea Meteorological Administration (KMA)	150,000	CHF	151,873.53		<a href="https://public.wmo.int/en/projects/establishment-climate-prediction-analysis-system-rwanda">https://public.wmo.int/en/projects/establishment-climate-prediction-analysis-system-rwanda</a>

34	Eastern Africa	the Republic of Rwanda	Climate Services for Agriculture: Empowering Farmers to Manage Risk and Adapt to a Changing Climate in Rwanda	Project	2015 - 2019	To increase the resilience of farmers to the changing climate in Rwanda and improve climate risk management skills and hence agricultural productivity for Rwandan farmers	International Research Institute for Climate and Society, Columbia University, University of Reading, World Meteorological Organization, Farm Radio International, International Crops Research Institute for the Semi-Arid Tropics, International Livestock Research Institute, World Forestry Center, Rwanda Agriculture Board		United States Agency for International Development (USAID)	5,000,000	USD	5,000,000		<a href="http://ciat2016.staging.wpengine.com/ciat-projects/climate-services-for-agriculture-empowering-farmers-to-manage-risk-and-adapt-to-a-changing-climate-in-rwanda/">http://ciat2016.staging.wpengine.com/ciat-projects/climate-services-for-agriculture-empowering-farmers-to-manage-risk-and-adapt-to-a-changing-climate-in-rwanda/</a>
35	Eastern Africa	the Republic of Rwanda, the United Republic of Tanzania, the Republic of Uganda	Feed the Future Partnership for Climate Smart Coffee	Project	2016 - 2020	Supporting the coffee sector to become more resilient	International Center for Tropical Agriculture (CIAT)	Feed the Future Alliance	United States Agency for International Development (USAID), Hanns R. Neumann	2,700,000	USD	2,700,000.00	The project has activities in West Africa (cocoa in Ghana and Ivory Coast) and in addition, it supports similar activities in Central America and some at the global scale. 2.7m USD is the total budget for the project	<a href="http://ciat2016.staging.wpengine.com/ciat-projects/feed-the-future-partnership-for-climate-smart-coffee/">http://ciat2016.staging.wpengine.com/ciat-projects/feed-the-future-partnership-for-climate-smart-coffee/</a>
36	Eastern Africa	the Republic of Rwanda, the United Republic of Tanzania	Climate-Smart Dairy Systems in East Africa Through Improved Forage and Feeding Strategies	Project	May 2017 – June 2021	To design climate-smart dairy production through improved forages and feeding strategies. Simultaneously, the objective is to support the wide-scale adoption of context-specific forage options that improve productivity, livelihoods, and that decrease environmental impacts	CGIAR Research Program on Livestock		International Fund for Agriculture Development (IFAD)	2,000,000	USD	2,000,000		<a href="http://ciat.cgiar.org/ciat-projects/climate-smart-dairy-systems-in-east-africa-through-improved-forage-and-feeding-strategies/">http://ciat.cgiar.org/ciat-projects/climate-smart-dairy-systems-in-east-africa-through-improved-forage-and-feeding-strategies/</a>
37	Eastern Africa	the Republic of Seychelles	Support the Scaling Up of CSA Approach in Cabo Verde, Guinea Bissau and the Seychelles	Project		To promote the adoption of efficient and climate-smart food production practices, which will include a broad range of activities, such as the promotion of efficient and CSA practices by smallholders using wide range of easy-to-grow crops of high nutritional value and market value; strengthening the organizational capacity of smallholders to cope with the impact of climate change	Food and Agriculture Organization of the United Nations (FAO), Climate change, Agriculture and Food security (CCAFS)		Food and Agriculture Organization of the United Nations (FAO)	N/A				<a href="https://ccafs.cgiar.org/support-scaling-csa-approach-cabo-verde-guinea-bissau-and-seychelles#.W17-DK6WbIU">https://ccafs.cgiar.org/support-scaling-csa-approach-cabo-verde-guinea-bissau-and-seychelles#.W17-DK6WbIU</a>
38	Eastern Africa	the Federal Republic of Somalia	Building Resilience in Northern Somalia	Project	11-Nov-2017-10-Nov-2020	To increase the resilience of pastoralist, agro-pastoralist, and IDP communities in Somaliland and Puntland by building community and local authority capacity to predict, adapt to, cope with and mitigate against future droughts in particular, as well	Norwegian Refugee Council, EU Trust Fund for Africa	EU Trust Fund – Horn of Africa		4,444,444	EUR	5,209,564		<a href="https://rsr.akvo.org/en/project/6724/#summary">https://rsr.akvo.org/en/project/6724/#summary</a>

						as other local shocks and stresses								
39	Eastern Africa	the Republic of South Sudan	Strengthening the Capacity of Government and Communities in South Sudan to Adapt to Climate Change	Project	2017 -	To Increase the capacity of government and vulnerable communities to adapt to climate change in South Sudan	United Nations Environment Programme, UNEP PCDMB – SS and Ministry of Environment	United Nations Environment Programme	The Least Developed Countries Fund (LDCF)	39,182,420	USD	39,182,420		<a href="https://www.thegef.org/project/strengthening-capacity-government-and-communities-south-sudan-adapt-climate-change">https://www.thegef.org/project/strengthening-capacity-government-and-communities-south-sudan-adapt-climate-change</a>
40	Eastern Africa	the United Republic of Tanzania	Determinants of Climate Adaptation and the Role of Information Provision in Overcoming Barriers to Adaptation	Project		Aims to better understand behavioral determinants and other factors impacting climate change adaptation and technology uptake by households in Eastern and Southern Africa			Environment for Development initiative					<a href="http://www.efdnitiative.org/our-work/projects/determinants-climate-adaptation-and-role-information-provision-overcoming-barriers">http://www.efdnitiative.org/our-work/projects/determinants-climate-adaptation-and-role-information-provision-overcoming-barriers</a>
41	Eastern Africa	the United Republic of Tanzania	SIKIA, SAGCOT Integrated Knowledge and Information for Agriculture - G4AW	Project	January 10/2016 – September 30/2019	The project aims to reach smallholder farmers in the rice value chain in the SAGCOT area.	TechForce Innovations (NL), AGRA Alliance for Green Revolution in Africa (KEN), Kilimo Trust (TZA), Kadaster International (NL), Milan Innovancy (NL)	TechForce Innovations (NL), AGRA Alliance for Green Revolution in Africa (KEN), Kilimo Trust (TZA), Kadaster International (NL), Milan Innovancy (NL)	G4AW	3,522,479	EUR	4,152,786		<a href="https://g4aw.spaceoffice.nl/en/projects/G4AW-projects/81/sagcot-integrated-knowledge-and-information-for-agriculture-sikia-.html">https://g4aw.spaceoffice.nl/en/projects/G4AW-projects/81/sagcot-integrated-knowledge-and-information-for-agriculture-sikia-.html</a>
42	Eastern Africa	the United Republic of Tanzania	Strengthening Climate Information and Early Warning Systems in Tanzania	Project	2013-2017	Focused on strengthening the capacity of national and sub-national entities to monitor climate change, generate reliable hydro-meteorological information (including forecasts) and to be able to combine this information with other environmental and socio-economic data to improve evidence-based decision-making for early warning and adaptation responses as well as planning	Ministry of Water, Government of Tanzania, Tanzania Meteorological Agency, Tanzania Prime Ministers Office-Disaster Management Department, United Nations Development Programme (UNDP), Global Environment Facility (GEF)	Ministry of Water, Government of Tanzania, Tanzania Meteorological Agency, Tanzania Prime Ministers Office-Disaster Management Department	The Least Developed Countries Fund (LDCF)	26,765,000	USD	26,765,000		<a href="http://www.adaptation-undp.org/projects/ldcf-ews-tanzania">http://www.adaptation-undp.org/projects/ldcf-ews-tanzania</a> <a href="http://www.adaptation-undp.org/sites/default/files/downloads/tanzania_project_document.pdf">http://www.adaptation-undp.org/sites/default/files/downloads/tanzania_project_document.pdf</a>
43	Eastern Africa	the United Republic of Tanzania, the Republic of Malawi	Climate Services Adaptation Programme in Africa: Tanzania and Malawi	Programme	Active	Helps develop user-driven climate services for food security, health and disaster risk reduction in Malawi and Tanzania	Agriculture and Food Security (CCAFS) Centre for International Climate and Environmental Research , Oslo (CICERO) CGIAR Research Programme on Climate Change Chr. Michelsen Institute (CMI) , International Federation of Red Cross and Red Crescent Societies (IFRC), World Food Programme (WFP), World Health Organization (WHO)	the Global Framework for Climate Services	Norwegian Agency for Development Cooperation (NORAD) Norway	7,357,500	CHF	7,451,867		<a href="https://public.wmo.int/en/projects/climate-services-adaptation-programme-africa-malawi-tanzania">https://public.wmo.int/en/projects/climate-services-adaptation-programme-africa-malawi-tanzania</a>

44	Eastern Africa	the United Republic of Tanzania	Climate Information for Resilient Development and Adaptation to Climate Change in Africa (CIRDA)	Programme	2014-2018	To strengthen national climate information systems as well as to benefit from regional coordination and draw upon a platform of knowledge management	United Nations Development Programme (UNDP), Global Environment Facility (GEF)	United Nations Development Programme (UNDP), Global Environment Facility (GEF)	The Least Developed Countries Fund (LDCF)	3,600,000	USD	3,600,000		<a href="http://www.adaptation-undp.org/projects/cirda">http://www.adaptation-undp.org/projects/cirda</a>
45	Eastern Africa	the United Republic of Tanzania	Coffee and Climate Enabling Effective Response	Initiative	2010 - 2019	To support coffee farmers to effectively respond to changing climatic conditions								<a href="http://www.coffeeandclimate.org/">http://www.coffeeandclimate.org/</a>
46	Eastern Africa	the United Republic of Tanzania	Ecosystem-Based Adaptation for Rural Resilience	Project	2015- 2220	To increase resilience to climate change in rural communities of Tanzania by strengthening ecosystem resilience and diversifying livelihoods	United Nations Environment Programme, VPO-DOE with Ministry of Agriculture, Livestock and Fisheries (MALF)	United Nations Environment Programme	The Least Developed Countries Fund (LDCF)	28,421,233	USD	28,421,233		<a href="https://www.thegef.org/project/ecosystem-based-adaptation-rural-resilience">https://www.thegef.org/project/ecosystem-based-adaptation-rural-resilience</a>
47	Eastern Africa	the United Republic of Tanzania	GFCS Adaptation Programme in Africa	Program		Global Framework for Climate Service implementation at a national level brings sectoral partners together to enhance user-driven climate services for food security, disaster risk reduction, and health.	WMO; the CGIAR Research Programme on Climate Change, Agriculture and Food Security (CCAFS); the Centre for International Climate and Environmental Research Oslo (CICERO); the Chr. Michelsen Institute (CMI); the International Federation of Red Cross and Red Crescent Societies (IFRC) through the Tanzanian and Malawian Red Cross; the World Food Programme (WFP); and the World Health Organization (WHO).		the Government of Norway					<a href="http://www.climhealthafrica.org/projects-gfcs">http://www.climhealthafrica.org/projects-gfcs</a>
48	Eastern Africa	the United Republic of Tanzania	Sustainable Water Management in Usa River	Project	01-Dec-2016 - 31-Mar-2018	Promotes joint efforts of the public institutions, community organizations and businesses in addressing their water-related challenges. Partnership focuses on three main issues in the Usa-River sub-catchment; to promoting good water governance, increase water use efficiency and improving water quality and supply	GIZ ,International Water Stewardship Programme Implementing partner, Kilimanjaro Water Stewardship Platform (KWSP), Pangani Basin Water Board, Tanzania Horticultural Association (TAHA), Upper Kikuletwa Water User Association, Usa River township water and sanitation authority	Kilimanjaro Water Stewardship Platform (KWSP), International Water Stewardship Programme Implementing partner, Pangani Basin Water Board, Usa River township water and sanitation authority (USAWASSA), Upper Kikuletwa Water User Association (WUA)	Tanzania Horticultural Association (TAHA) , Pangani Basin Water Board, Kiliflora , and IWaSP	565,000	USD	565,000	TAHA 40,000 USD, Pangani Basin Water Board, 60,000 USD, Kiliflora 300,000 USD , and IWaSP 165,000 USD	<a href="https://rsr.akvo.org/en/project/6192/">https://rsr.akvo.org/en/project/6192/</a>

49	Eastern Africa	the United Republic of Tanzania	Uncertainty Reduction in Models for Understanding Development Applications (UMFULA)	Project	1 June 2015 - 1 June 2019	To support long-term – 5 to 40 years – planning decisions around resource use, infrastructure investment and cross-sectoral growth priorities, by identifying adaptation pathways which are robust and resilient in the face of climate change and other non-climate stressors	Grantham Research Institute on Climate Change and the Environment (London School of Economics and Political Science); Kulima Integrated Development Solutions; University of Oxford; University of Cape Town; Sokoine University of Agriculture; Lilongwe University of Agriculture and Natural Resources; University of Leeds Sustainability Research Institute; Council for Scientific and Industrial Research; University of Manchester; University of KwaZulu-Natal; University of Sussex; University of Dar Es Salaam; University of Zambia; University of Yaoundé; South African Weather Services; Tanzania Meteorological Agency; Mozambique National Institute of Meteorology			131,158		176,078		<a href="http://www.futureclimateafrica.org/project/umfula/">http://www.futureclimateafrica.org/project/umfula/</a>
50	Eastern Africa	the Republic of Uganda	Climate Information for Resilient Development and Adaptation to Climate Change in Africa (CIRDA)	Programme	2014-2018	To strengthen national climate information systems as well as to benefit from regional coordination and draw upon a platform of knowledge management	United Nations Development Programme (UNDP), Global Environment Facility (GEF)		The Least Developed Countries Fund (LDCF)	4,000,000	USD	4,000,000		<a href="http://www.adaptation-undp.org/projects/cirda">http://www.adaptation-undp.org/projects/cirda</a>
51	Eastern Africa	the Republic of Uganda	Establishment of a Climate Prediction Analysis System in Uganda	Project		To develop sound weather and climate information and capacity and use such information for decision-making at national level	IGAD Climate Prediction Analysis Centre (ICPAC)		Korea Meteorological Administration (KMA)	150,000	CHF	151,899		<a href="https://public.wmo.int/en/projects/establishment-climate-prediction-analysis-system-uganda">https://public.wmo.int/en/projects/establishment-climate-prediction-analysis-system-uganda</a>
52	Eastern Africa	the Republic of Uganda, Djibouti, Eritrea, the Federal Democratic Republic of Ethiopia, Kenya, Somalia, South Sudan, Sudan	Integrated Drought Management Programme in the Horn of Africa (IDMP HOA)	Programme	2014 - 2019	To promote drought resilience of communities in the HOA. This will be through shift from reactive, crisis management response to a more proactive approach to drought management, applying the principles of integrated water resource and risk management	World Meteorological Organization (WMO) and the Global Water Partnership (GWP)		World Meteorological Organization (WMO) and the Global Water Partnership (GWP)	719,000	EUR	842,167	Resource mobilization is underway with project in the pipeline of about US\$ 13 Million, the project life may extend subject to availability of funding	<a href="http://www.droughtmanagement.info/about/">http://www.droughtmanagement.info/about/</a>
53	Eastern Africa	IGAD	Climate service for Africa	Project	2014-2018	To strengthen climate services for agriculture and food security through regional institutions and processes.	USAID, International Center for Tropical Agriculture (CIAT), AGRYMET Regional Centre (ARC), IGAD Climate Prediction & Applications Centre (ICPAC), the		United States Agency for International Development (USAID)	675,000	675,000	675,000	the overall budget for both Regional (IGAD and ECOWAS) is 1,350,000	<a href="https://ccafs.cgiar.org/climate-services-africa#">https://ccafs.cgiar.org/climate-services-africa#</a>

							International Livestock Research Institute (ILRI) and the International Research Institute for Climate and Society (IRI) at Columbia University.							
54	Eastern Africa	the Republic of Uganda	Strengthening the Capacity of Institutions in Uganda to Comply with the Transparency Requirements of the Paris Agreement	Project	2017 Proposed	To support Institutions in Uganda to respond to the Transparency Requirements of the Paris Agreement	Conservation International, Ministry of Water and Environment, Uganda, Africa Innovations Institute/Vital Signs		Capacity-building Initiative for Transparency	1,600,000	USD	1,600,000		<a href="https://www.thegef.org/project/strengthening-capacity-institutions-uganda-comply-transparency-requirements-paris-agreement">https://www.thegef.org/project/strengthening-capacity-institutions-uganda-comply-transparency-requirements-paris-agreement</a>
55	Eastern Africa	the Republic of Uganda	Strengthening Climate Information and Early Warning Systems in Uganda	Project	2013 - 2017	Focused on strengthening the capacity of national and sub-national entities to monitor climate change, generate reliable hydro-meteorological information (including forecasts) and to be able to combine this information with other environmental and socio-economic data to improve evidence-based decision-making for early warning and adaptation responses as well as planning to receive real time climate and environmental information	Ugandan Ministry of Water and Environment, Uganda Department of Disaster Preparedness and Management, United Nations Development Programme (UNDP), Global Environment Facility (GEF)		The Least Developed Countries Fund (LDCF)	27,664,000	USD	27,664,000		<a href="http://www.adaptation-undp.org/projects/ldcfe-uganda">http://www.adaptation-undp.org/projects/ldcfe-uganda</a>
56	Eastern Africa		IGAD - Building Disaster Resilience to Disasters through Risk Management and Climate Change Adaptation	Project	2015-2019	To strengthen the capacity of IGAD in providing policy advice and support of its Member States on disaster and climate risk management and promoting resilient development	IGAD Climate Prediction and Applications Centre (ICPAC)		World Bank and non-bank sources	2,490,000	USD	2,490,000		<a href="http://projects.worldbank.org/P154403?lang=en">http://projects.worldbank.org/P154403?lang=en</a>
57	Eastern Africa		IGAD Climate Prediction and Applications Centre (ICPAC)- CCAFS	Initiative	June 2016 - 30 September 2018	To contribute towards enhancing the livelihoods of the people of the region so as to mitigate climate-related risks and disasters	International Research Institute for Climate and Society (IRI), and the University of Reading, The CGIAR Research Program on Climate Change, Agriculture and Food Security							<a href="http://www.icpac.net/index.php/projects/ccafs.html">http://www.icpac.net/index.php/projects/ccafs.html</a>
58	Eastern Africa		Strengthening the Capacity of the Inter-Governmental Authority on Development (IGAD) in Building Resilience in the Horn of Africa Programme	Programme	January 2015- December 2017	To enhance institutional management and technical capacities, systems, and processes within IGAD to improve its service delivery in support of reducing and building resilience to crises in the region	IGAD Secretariat, specialized institutions and member States: CSOs, Academia limited Nations Agencies		United Nations Development Programme (UNDP)	12,828,312	USD	12,828,312		<a href="http://www.icpac.net/index.php/projects/igad-undp.html">http://www.icpac.net/index.php/projects/igad-undp.html</a>



59	Eastern Africa		Strengthening Climate Information Partnerships - East Africa (SCIPEA)	Project	1 April 2016 - 28 February 2017	Strengthen climate partnerships on three levels. Enhancing links and data exchanges between global, regional and national climate organizations is a core part of the project, with the aim of strengthening resources and tools for seasonal forecasts	Weather and climate Information and Services for Africa (WISER), Met Office (one of the World Meteorological Organization's designated Global Producing Centers (GPCs) for long range forecasts), the International Research Institute for Climate and Society (IRI), the IGAD (Intergovernmental Authority on Development) Climate Prediction and Applications Centre (ICPAC), and the national meteorological and hydrological services (NMHSs) of Ethiopia (National Meteorological Agency - NMA), Kenya (Kenya Meteorological Department - KMD), Tanzania (Tanzania Meteorological Agency - TMA) and Uganda (Uganda National Meteorological Authority - UNMA)		Ukaid						<a href="http://www.icpac.net/index.php/projects/scipea.html">http://www.icpac.net/index.php/projects/scipea.html</a>
60	Central Africa	the Republic of the Congo	AFCC2/RI-Enhancing Institutional Capacities on REDD Issues for Sustainable Forest Management in the Congo Basin	Project	2011-2018	To strengthen the capacities of the Congo Basin countries on REDD+ issues and on forest carbon stocks measurements, in particular	Central African Forest Commission (COMIFAC)	Central African Forest Commission (COMIFAC)	World Bank and Non-Bank Sources	16,000,000	USD	16,000,000			<a href="http://projects.worldbank.org/P113167/enhancing-institutional-capacities-redd-issues-sustainable-forest-management-congo-basin?lang=en">http://projects.worldbank.org/P113167/enhancing-institutional-capacities-redd-issues-sustainable-forest-management-congo-basin?lang=en</a>
61	Central Africa	the Democratic Republic of Sao Tome and Principe	Strategic Program to Promote Renewable Energy and Energy Efficiency Investments in the Electricity Sector of Sao Tome and Principe	Project	2019 Proposed	To promote investments in renewable energy and energy efficiency solutions with high GHG emission reduction and local value creation potential in the electricity sector	United Nations Industrial Development Organization, Ministry of Infrastructure, Natural Resources and Environment (MINRE), Agência Fiduciária de Administração de Projeto (AFAP), ECOWAS Centre for Renewable Energy and Energy Efficiency (ECREEE)		Global Environment Facility (GEF) Trust Fund	12,080,571	USD	12,080,571			<a href="https://www.thegef.org/project/strategic-program-promote-renewable-energy-and-energy-efficiency-investments-electricity">https://www.thegef.org/project/strategic-program-promote-renewable-energy-and-energy-efficiency-investments-electricity</a>
62	Central Africa	the Democratic Republic of Sao Tome and Principe	Strengthening Climate Information and Early Warning Systems in São Tomé and Príncipe	Project	2013-2017	Strengthening climate information and EWS in São Tomé and Príncipe to support climate resilient development	National Institute of Meteorology, São Tomé and Príncipe, United Nations Development Programme (UNDP), National Council for Preparation and Responses to Disasters, São Tomé and Príncipe,		The Least Developed Countries Fund (LDCF)	43,895,000	USD	43,895,000			<a href="http://www.adaptation-undp.org/projects/ldcf-ews-s%C3%A3o-tom%C3%A9-and-pr%C3%Adncipe">http://www.adaptation-undp.org/projects/ldcf-ews-s%C3%A3o-tom%C3%A9-and-pr%C3%Adncipe</a>

							Global Environment Facility (GEF)							
63	Central Africa	the Democratic Republic of Sao Tome and Principe	Climate Information for Resilient Development and Adaptation to Climate Change in Africa (CIRDA)	Programme	2014 - 2018	To strengthen national climate information systems as well as to benefit from regional coordination and draw upon a platform of knowledge management	United Nations Development Programme (UNDP), Global Environment Facility (GEF)		The Least Developed Countries Fund (LDCF)	3,600,000	USD	3,600,000		<a href="http://www.adaptation-undp.org/projects/cirda">http://www.adaptation-undp.org/projects/cirda</a>
64	North Africa	the People's Democratic Republic of Algeria	Environmental Governance and Biodiversity	Project	2014- 2019	Introduce instruments and approaches for environmental governance that aim to protect the environment and preserve biodiversity	Ministère de l'Environnement et des Energies Renouvelables (MEER)		German Federal Ministry for Economic Cooperation and Development (BMZ)					<a href="https://www.giz.de/en/worldwide/29742.html">https://www.giz.de/en/worldwide/29742.html</a>
65	North Africa	the People's Democratic Republic of Algeria	Implementing the National Climate Plan	Programme	2014 -2018	The significance of climate change is reflected in relevant sector policies and development plans at national and local levels in Algeria	Algerian Ministry of Water Resources and the Environment (MEER)		German Federal Ministry for Economic Cooperation and Development (BMZ)	4,500,000	EUR	5,262,009		<a href="https://www.giz.de/en/worldwide/28982.html">https://www.giz.de/en/worldwide/28982.html</a>
66	North Africa	the Arab Republic of Egypt	Adaptation to Climate Change in the Water Sector in the MENA Region	Project	2011 - 2018	To build the capacity of regional and national institutions in the water sector to develop and implement climate adaptation strategies	Arab Ministerial Water Council (AMWC) of the League of Arab States (LAS)		German Federal Ministry for Economic Cooperation and Development (BMZ)	1,000,000	EUR	1,169,335	August 2011 to July 2014) EUR 3,000,000 (Egypt, Jordan, Lebanon other countries in )the MENA region	<a href="https://www.giz.de/en/worldwide/15893.html">https://www.giz.de/en/worldwide/15893.html</a>
67	North Africa	the Arab Republic of Egypt	Information Matters: Ambitious Climate Reporting	Project	2013 to 2019	Biennial Reports produced by partner countries, of a high standard of transparency and quality, thus meeting the latest requirements of the UN Framework Convention on Climate Change	Egypt: Ministry of State for Environmental Affairs, Egyptian Environmental Affairs Agency (EEAA), Ghana: Environmental Protection Agency (EPA)		German Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB)	960,714	USD	960,714	6,725,000 for Chile, Colombia, Dominican Republic, Egypt, Georgia, Ghana, Philippines, Viet Nam	<a href="https://www.giz.de/en/worldwide/30164.html">https://www.giz.de/en/worldwide/30164.html</a>
68	North Africa	the Arab Republic of Egypt	Sustainable Management of Kharga Oasis Agro-Ecosystems in the Egyptian Western Desert	Project	2018 proposed	Ensure sustainable food production systems that help maintain and progressively improve land and soil quality and agro-biodiversity in oasis agro-ecosystems of the Egyptian Western Desert Indicators	Desert Research Centre of the Ministry of Agriculture and Land Reclamation, Food and Agriculture Organization (FAO)		Global Environment Facility (GEF) Trust Fund	10,095,890	USD	10,095,890		<a href="https://www.thegef.org/project/sustainable-management-kharga-oasis-agro-ecosystems-egyptian-western-desert">https://www.thegef.org/project/sustainable-management-kharga-oasis-agro-ecosystems-egyptian-western-desert</a>
69	North Africa	the People's Democratic Republic of Algeria,the Kingdom of Morocco, the Republic of Tunisia	WHO UNFCCC Climate and Health Country Profiles	Project	2015 -2019	Aim to provide country-specific, evidence-based snapshots of the climate hazards and health risks facing countries.			World Health Organisation (WHO)					<a href="http://www.who.int/globalchange/resources/countries/en/">http://www.who.int/globalchange/resources/countries/en/</a>
70	North Africa	the Kingdom of Morocco	Environmental and Climate Governance in Morocco	Project	2016 -2018	Make use of good governance practices and instruments for implementing the National Sustainable Development Strategy	Ministèredélégué chargé de l'Environnement (MdEnv)		German Federal Ministry for Economic Cooperation and Development (BMZ)					<a href="https://www.giz.de/en/worldwide/41034.html">https://www.giz.de/en/worldwide/41034.html</a>
71	North Africa	the Republic of Sudan	Food Security Climate Resilience Facility (FoodSECuRE)			To financially and programmatically support community-centered action	-		World Food Program (WFP)					<a href="http://www.wfp.org/climate-change/initiatives/food-secure">http://www.wfp.org/climate-change/initiatives/food-secure</a>

						to reinforce and build climate resilience								
72	Western Africa	the Republic of Benin	Strengthening Climate Information and Early Warning Systems in Benin	Project	2013-2017	Focused on strengthening the capacity of national and sub-national entities to monitor climate change, generate reliable hydro-meteorological information (including forecasts) and to be able to combine this information with other environmental and socio-economic data to improve evidence-based decision-making for early warning and adaptation responses as well as planning	Service Météorologique National, Benin, United Nations Development Programme (UNDP), Global Environment Facility (GEF), Ministère de l'Environnement, de l'Habitat et de l'Urbanisme, Benin		The Least Developed Countries Fund (LDCF)	18,511,549	USD	18,511,549		<a href="http://www.adaptation-undp.org/projects/ldcf-ews-benin">http://www.adaptation-undp.org/projects/ldcf-ews-benin</a> <a href="http://www.adaptation-undp.org/sites/default/files/downloads/benin_project_document_1.pdf">http://www.adaptation-undp.org/sites/default/files/downloads/benin_project_document_1.pdf</a>
73	Western Africa	the Republic of Benin	Climate Information for Resilient Development and Adaptation to Climate Change in Africa (CIRDA)	Programme	2014 - 2018	To strengthen national climate information systems as well as to benefit from regional coordination and draw upon a platform of knowledge management	United Nations Development Programme (UNDP), Global Environment Facility (GEF)		The Least Developed Countries Fund (LDCF)	4,000,000	USD	4,000,000	The project officially ends in 2018; CO will confirm new extension date if approved	<a href="http://www.adaptation-undp.org/projects/cirda">http://www.adaptation-undp.org/projects/cirda</a>
74	Western Africa	the Republic of Benin, Burkina Faso, , Guinea, the Republic of Ghana, the Republic of Mali	Clim-Health Africa- Vulnerability and Adaptation Assessments	Programme	Project	Evaluate current and future vulnerability (i.e. the susceptibility of a population or region to harm) to the health risks of climate change, and identify policies and programmes that could increase resilience, taking into account the multiple determinants of climate-sensitive health outcomes.	World Health Organisation (WHO), and Gesellschaft für Internationale Zusammenarbeit (GIZ), Global Framework for Climate Services (GFCS) in Malawi and Tanzania		World Health Organisation (WHO), and Gesellschaft für Internationale Zusammenarbeit (GIZ)					<a href="http://www.climhealthafrica.org/projects-vulnerability-and-adaptation-assessments">http://www.climhealthafrica.org/projects-vulnerability-and-adaptation-assessments</a>
75	Western Africa	Burkina Faso	Burkina Faso: Strengthening National Capacities for Early Warning System Service Delivery	Project	2017-2019	To improve operational capabilities in Burkina Faso to produce and deliver hydro meteorological services for early warning, contributing to risk reduction for relevant national sectors with an emphasis on flood-related risks and improved early warning and risk information for agriculture and food security	World Bank/GFDRR ,Burkina Faso National Council for Emergency Relief and Rehabilitation (CONASUR), Direction Générale des Ressources en Eau (DGRE), Burkina Faso National Council for Environment and Sustainable Development (CONEDD), Ministries in charge of Agriculture and Livestock, Food Security organizations in Burkina Faso, Media, private telecom companies and rural radio networks in Burkina Faso, National Research Institutes (Ouaga University, INERA, etc), the WMO RA VI RCC Network and its member NMHSs (Météo-France, DWD and KNMI),		World Meteorological Organization (WMO)	2,192,200	USD	2,192,200		<a href="http://www.crews-initiative.org/en/projects/burkina-faso-strengthening-national-capacities-early-warning-system-service-delivery">http://www.crews-initiative.org/en/projects/burkina-faso-strengthening-national-capacities-early-warning-system-service-delivery</a>

							otherWorld Meteorological Organization (WMO), NMHSs, centers and partners e.g. National Oceanic and Atmospheric Administration (NOAA) , International Research Institute for Climate and Society (IRI), AEMET, AGRYMET Regional Centre (ARC), African Center of Meteorological Application for Development (ACMAD), UNISDR, George Mason University (USA), and the Global Water Partnership West Africa								
76	Western Africa	Burkina Faso	Climate Information for Resilient Development and Adaptation to Climate Change in Africa (CIRDA)	Programme	2014 - 2018	To strengthen national climate information systems as well as to benefit from regional coordination and draw upon a platform of knowledge management	United Nations Development Programme (UNDP), Global Environment Facility (GEF)		The Least Developed Countries Fund (LDCF)	3,600,000	USD	3,600,000	the project officially ends in 2018; CO will confirm new extension date if approved	<a href="http://www.adaptation-undp.org/projects/cirda">http://www.adaptation-undp.org/projects/cirda</a>	
77	Western Africa	Burkina Faso	Strengthening Climate Information and Early Warning Systems in Burkina Faso	Project	2013-2017	Priorities and actions identified in the NAPA of Burkina Faso which articulate the need for securing, transferring and installing critical technologies, as well as developing the necessary systems for climate change-related information to permeate into decision-making processes	Government of Burkina Faso, African Monitoring of the Environment for Sustainable Development (AMESD), United Nations Development Programme (UNDP), Global Environment Facility (GEF)		The Least Developed Countries Fund (LDCF)	64,690,525	USD	64,690,525		<a href="http://www.adaptation-undp.org/projects/ldcf-ews-burkina-faso">http://www.adaptation-undp.org/projects/ldcf-ews-burkina-faso</a> <a href="http://www.adaptation-undp.org/sites/default/files/downloads/burkina_faso_project_document.pdf">http://www.adaptation-undp.org/sites/default/files/downloads/burkina_faso_project_document.pdf</a>	
78	Western Africa	Burkina Faso	Zaman Lebidi: Strengthening resilience to adapt to the effects of climate change	Programme	January 2015 – January 2018	To build the resilience of vulnerable communities to climate extremes and disasters in high risk locations of Burkina Faso. These include droughts, floods, extreme temperatures and extreme precipitation.	Building (BRACED), Christian Aid, Oxfam Intermon, Action Contre la Faim (ACF), Alliance Technique d'Assistance au Développement (ATAD), Office de Développement des Eglises Evangéliques (ODE), Internews Europe, King's College London, Met Office (UK), Burkina Meteo, Television du Burkina		Department for International Development (DFID)					<a href="http://www.braced.org/about/about-the-projects/project/?id=c086852f-3625-488d-83cc-a16dc6d9f1eb">http://www.braced.org/about/about-the-projects/project/?id=c086852f-3625-488d-83cc-a16dc6d9f1eb</a>	
79	Western Africa	Burkina Faso, the Republic of Ghana, the Republic of Mali, the Federal Republic of Nigeria, the Republic of Senegal	Building Climate Risk Management Capacity in West Africa	Project		To extend the use of climate information for seasonal agricultural decision-making to over 2 million farmers (including 800,000 women)	World Agroforestry Centre (ICRAF), International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), University of Reading, AGRHYMET, Jet-Propulsion Laboratory (JPL), Washington State University, University of							<a href="https://ccafs.cgiar.org/building-climate-risk-management-capacity-west-africa#.WL-EK6WblU">https://ccafs.cgiar.org/building-climate-risk-management-capacity-west-africa#.WL-EK6WblU</a>	

							Ghana, International Research Institute for Climate and Society (IRI), Senegal's national civil aviation and meteorological agency (ANACIM), CGIAR							
80	Western Africa	Burkina Faso, the Republic of the Niger, the Republic of Senegal	Climate Services for Increased Resilience in the Sahel	Project	June 2016 - August 2018	Enhancing the capacity of the Sahel region partners to develop and use climate services in climate sensitive sectors	African Center of Meteorological Application for Development (ACMAD), Food and Agriculture Organization of the United Nations (FAO), National Oceanic and Atmospheric Administration (NOAA) Norwegian Refugee Council (NRC)		Norwegian Refugee Council (NRC) U.S. Agency for International Development/The Office of U.S. Foreign Disaster Assistance (United States Agency for International Development (USAID)/OFDA)	950,000	CHF	950,000		<a href="http://www.wmo.int/gfcs/node/951">http://www.wmo.int/gfcs/node/951</a>
81	Western Africa	Burkina Faso, Mali and Niger	Integrated Drought Management Programme (IDMP WAF)	Programme	2013-2019	To enhance regional and countries drought resilience by providing to stakeholders policy and management guidance, scientific information, knowledge and best practices for integrated drought management	At global level : World Meteorological Organization (WMO), Cap-Net, GWPO At regional level : AGRYMET Regional Centre (ARC)/CILSS-NSAH, VBA,NBA,African Center of Meteorological Application for Development (ACMAD),WASCAL,World Meteorological Organization (WMO)/Global Framework for Climate Services (GFCS)-IUCN-WRCU/Economic Community of West African States( ECOWAS),International Crops Research Institute for the Semi-Arid Tropics (ICRISAT) At national level : Water, Agriculture, food security and Environment ministries at Burkina Faso, Mali and Niger, Local NGO , Meteorological services, CWP		World Meteorological Organization (WMO) and the Global Water Partnership (GWP)	1,315,186	EUR	1,537,327		<a href="http://www.droughtmanagement.info/idmp-activities/idmp_waf/">http://www.droughtmanagement.info/idmp-activities/idmp_waf/</a>
82	Western Africa	Burkina Faso, the Republic of Ghana, the Republic of Mali, the Republic of the Niger, the Republic of Senegal	Predictive Technologies for Climate-Smart Agriculture	Project		To use models and data to generate evidence for CSA, focusing on quantifying trade-offs and synergies between the three CSA pillars (resilience, mitigation, and productivity) for select CSA practices	University of Leeds, in partnership with the International Center for Tropical Agriculture (CIAT) and Climate Change, Agriculture and Food Security ( CCAFS F2)		CGIAR Fund Donors					<a href="https://ccafs.cgiar.org/predictive-technologies-climate-smart-agriculture#.Wl8GjK6WblU">https://ccafs.cgiar.org/predictive-technologies-climate-smart-agriculture#.Wl8GjK6WblU</a>

83	Western Africa	Burkina Faso, the Republic of Ghana, the Republic of Mali, the Republic of the Niger, the Republic of Senegal	Scaling Up Climate-Smart Agriculture Technologies and Tools to Benefit Regional, National and Community Level End-Users	Project		To engage with and provide support to regional and national partners to catalyze positive change towards CSA, food systems and landscapes, through bringing to scale practices, technologies and institutions that enable agriculture to meet food security, adaptation and mitigation goals	International for Crop Research Institute in the Semi-Arid Tropics (ICRISAT) , West African Climate Change, Agriculture and Food Security (CCAFA) team							<a href="https://ccafs.cgiar.org/scaling-climate-smart-agriculture-technologies-and-tools-benefit-regional-national-and-community#.Wl8GnK6WblU">https://ccafs.cgiar.org/scaling-climate-smart-agriculture-technologies-and-tools-benefit-regional-national-and-community#.Wl8GnK6WblU</a>
84	Western Africa	Burkina Faso, the Republic of Ghana, the Republic of Mali, the Republic of the Niger, the Republic of Senegal	The Social Impact of Weather Insurance for Agriculture	Project	2015 - 2018	Mitigate the risk of new technologies or inputs, allowing farmers to increase their production or income without worrying about suffering losses or slipping into debt through insurance	CIMMYT, the International Research Institute for Climate and Society (IRI), University of Reading's School of Agriculture, Pula Consulting in Nigeria, the World Bank and ACRE Africa			300,000	USD	300,000	The overall budget is 600,000 USD. 200,000 USD is per annum for both West and East region	<a href="https://ccafs.cgiar.org/social-impact-weather-insurance-agriculture#.WwJtP-6FPIU">https://ccafs.cgiar.org/social-impact-weather-insurance-agriculture#.WwJtP-6FPIU</a>
85	Western Africa	Burkina Faso, the Republic of Ghana	WISE-UP	Project	2013-2017	Aimed to develop knowledge on how to use combinations of built water infrastructure (eg. dams, levees, irrigation channels) together with natural infrastructure (eg. wetlands, floodplains, watersheds) for poverty reduction, water-energy-food security, biodiversity conservation, and climate resilience	the Council for Scientific and Industrial Research in Ghana (CSIR), The African Collaborative Center for Earth System Sciences (ACCESS) – University of Nairobi, the International Water Management Institute (IWMI), the Overseas Development Institute (ODI), the University of Manchester, the Basque Centre for Climate Change (BC3), and the International Union for Conservation of Nature (IUCN)		International Climate Initiative (IKI) of the German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)	3,533,000	EUR	4,131,148	Overall budget for WISE-UP was €5.3m. Around €1.5m was used at the basin level for the Volta and the Tana, so around 3, probably a little more was at country/basin level, and for activities in-country. Around €2m was used to support the scientific work around economics, political economic, modelling and trade-off development, communications, etc. It is hard to be exact as a lot of the effort was at the country level.	<a href="http://www.waterandnature.org/initiatives/wise-climate">http://www.waterandnature.org/initiatives/wise-climate</a>
86	Western Africa	Republic of Cabo Verde, the Republic of Guinea-Bissau	Support the Scaling up of CSA Approach in Cabo Verde and Guinea Bissau	Project	proposed	To promote the adoption of efficient and climate-smart food production practices, which will include a broad range of activities, such as the promotion of efficient and CSA practices by smallholders using wide range of easy-to-grow crops of high nutritional value and market value; strengthening the organizational capacity of smallholders to cope with the impact of climate change	Food and Agriculture Organization of the United Nations (FAO)		Food and Agriculture Organization of the United Nations (FAO)	N/A				<a href="https://ccafs.cgiar.org/support-scaling-csa-approach-cabo-verde-guinea-bissau-and-seychelles#.Wl7-DK6WblU">https://ccafs.cgiar.org/support-scaling-csa-approach-cabo-verde-guinea-bissau-and-seychelles#.Wl7-DK6WblU</a>
87	Western Africa	the Republic of Côte d'Ivoire	Strengthening the Transparency System for Enhanced Climate Action in Côte d'Ivoire	Project	2018 Proposed	Strengthen the capacities of Côte d'Ivoire in the area of transparency, according to the decisions of Paris Agreement on Climate Change and thereby to	Ministry of Healthiness, Environment and Sustainable Development, Côte d'Ivoire, United Nations		Capacity-building Initiative for Transparency	1,400,000	USD	1,400,000		<a href="https://www.thegef.org/project/strengthening-transparency-system-enhanced-climate-action-c3%b4te-d%E2%80%99ivoire">https://www.thegef.org/project/strengthening-transparency-system-enhanced-climate-action-c3%b4te-d%E2%80%99ivoire</a>

						achieve its goals related to low carbon emission development.	Development Programme							
88	Western Africa	the Republic of the Gambia	Climate Information for Resilient Development and Adaptation to Climate Change in Africa (CIRDA)	Programme	2015 - 2018	To strengthen national climate information systems as well as to benefit from regional coordination and draw upon a platform of knowledge management	United Nations Development Programme (UNDP), Global Environment Facility (GEF)		The Least Developed Countries Fund (LDCF)	3,000,000	USD	3,000,000	The project officially ends in 2018; CO will confirm new extension date if approved	<a href="http://www.adaptation-undp.org/projects/cirda">http://www.adaptation-undp.org/projects/cirda</a>
89	Western Africa	the Republic of the Gambia	Strengthening Climate Information and Early Warning Systems in Gambia	Project	2013-2017	To strengthen the climate monitoring capabilities, early warning systems and available information for responding to climate shocks and planning adaptation to climate change in Gambia	Department of Agriculture, Government of Gambia, National Environmental Agency, Government of Gambia, United Nations Development Programme (UNDP), Global Environment Facility (GEF), UN Environment (UNEP), Ministry of Water Resources, Fisheries & National Assembly Matters - Government of Gambia		The Least Developed Countries Fund (LDCF)	37,210,000	USD	37,210,000		<a href="http://www.adaptation-undp.org/projects/ldcf-ews-gambia">http://www.adaptation-undp.org/projects/ldcf-ews-gambia</a>
90	Western Africa	the Republic of the Gambia, the Republic of Ghana, the Republic of Mali	ENACTS – Enhancing National Climate Services (ENACTS)	Initiative	2008 -	The Enhancing National Climate Services (ENACTS) initiative transforms local, national and regional climate-sensitive development decisions through the widespread uptake of timely, relevant, locally-enhanced and quality-assured climate information at relevant spatial and temporal scales.	African Climate Policy Centre (ACPC) , SERVIR, United States Agency for International Development (USAID), CGIAR, Agriculture and Food Security (CAAFS), AGRYMET Regional Centre (ARC)		International Research Institute for Climate and Society (IRI), Global Framework for Climate Services (GFCS) Programme, NASA, World Meteorological Organization (WMO), United States Agency for International Development (USAID), Department for International Development (DFID) , NIH, World Health Organisation (WHO), Columbia University project					<a href="http://www.climhealthafrica.org/projects-enacts">http://www.climhealthafrica.org/projects-enacts</a>
91	Western Africa	the Republic of Ghana	Information Matters: Ambitious Climate Reporting	Project	2013 - 2019	Biennial Reports produced by partner countries, of a high standard of transparency and quality, thus meeting the latest requirements of the UN Framework Convention on Climate Change	Egypt: Ministry of State for Environmental Affairs, Egyptian Environmental Affairs Agency (EEAA), Ghana: Environmental Protection Agency (EPA)		German Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB)	960,714	USD	960,714	The overall budget for the project is 6,725,000 USD including countries: Chile, Colombia, Dominican Republic, Egypt, Georgia, Ghana, Philippines, Viet Nam	<a href="https://www.giz.de/en/worldwide/30164.htm">https://www.giz.de/en/worldwide/30164.htm</a>

92	Western Africa	the Republic of Ghana	Operationalizing Green Economy Transition in Africa	Project	2014 - 2018	The transition to a green economy, and to introduce in the partner countries at the sub-national levels (county, district, region)	Ethiopia: Ministry of Environment and Forest; Ghana: Environmental Protection Agency; Kenya: Ministry of Environment, Water and Natural Resources; Rwanda: Rwanda Environmental Management Authority (REMA)		Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB)	575,000	USD	575,000	The overall budget for three countries that include : the Federal Democratic Republic of Ethiopia, the Republic of Kenya, the Republic of Uganda is 2,300,000 USD	<a href="https://www.giz.de/en/worldwide/32044.htm">https://www.giz.de/en/worldwide/32044.htm</a>
93	Western Africa	the Republic of Ghana	Promoting Integrated Climate Risk Management and Transfer	Project	2015-2018	Puts an integrated climate risk management strategy in place to protect smallholders and commercial agribusinesses against the financial risks associated with extreme weather events	Ministry of Finance (MoF), Global: Munich Climate Insurance Initiative, (MCII), Ghana: National Disaster Management Organisation (NADMO), Ghana Agricultural Insurance Pool (GAIP)		German Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB)	5,000,000	EUR	5,846,516		<a href="https://www.giz.de/en/worldwide/44071.htm">https://www.giz.de/en/worldwide/44071.htm</a>
94	Western Africa	the Republic of Ghana	Strengthening Ghana's National Capacity for Transparency and Ambitious Climate Reporting	Project	2017 proposed	To assist Ghana strengthen the national system to plan, implement, monitor and report on NDC, to respond to the transparency requirements in the new climate regime.	Environmental Protection Agency (EPA),United Nations Environment Programme		Capacity-building Initiative for Transparency	2,440,000	USD	2,440,000		<a href="https://www.thegef.org/project/strengthening-ghana%E2%80%99s-national-capacity-transparency-and-ambitious-climate-reporting">https://www.thegef.org/project/strengthening-ghana%E2%80%99s-national-capacity-transparency-and-ambitious-climate-reporting</a>
95	Western Africa	the Republic of Ghana, the Republic of Mali, the Republic of Senegal	Capacitating African Smallholders with Climate Advisories and Insurance Development (CASCAID)	Project	2015 - 2018	The project aims to build the capacity of smallholders and their boundary partners (National hydro-meteorological services (NHMS), NGOs, CSOs, private sector) with actionable climate advisories, index insurance and integrated climate services that reduce the impact of seasonal climate risk from farm to country levels	Climate Change, Agriculture and Food Security (CCAFS),International Crops Research Institute for Semi-Arid Tropics (ICRISAT), The World Agroforestry Centre (ICRAF) , MANOBI, University of Reading, International Research Institute for Climate and Society (IRI), Univ. Ghana, National hydro-meteorological services (NHMS) and NARS of target countries, and AGRYMET Regional Centre (ARC)		CGIAR plus bilateral sources					<a href="https://cgspace.cgiar.org/bitstream/handle/10568/80945/CCAFS%20Climate%20Services%20Africa.pdf?sequence=1&amp;isAllowed=y">https://cgspace.cgiar.org/bitstream/handle/10568/80945/CCAFS%20Climate%20Services%20Africa.pdf?sequence=1&amp;isAllowed=y</a>
96	Western Africa	the Republic of Ghana, the Federal Republic of Nigeria	WHO UNFCCC Climate and Health Country Profiles	Project	2015 -2019	Aim to provide country-specific, evidence-based snapshots of the climate hazards and health risks facing countries	N/A							<a href="http://www.who.int/globalchange/resources/countries/en/">http://www.who.int/globalchange/resources/countries/en/</a>



97	Western Africa	the Republic of Guinea-Bissau	Strengthening Climate Information and Early Warning Systems for Climate Resilient Development and Adaptation to Climate Change in Guinea-Bissau	Project	Proposed	To enhance the capacity of the National Hydro-Meteorological Services (NHMS) in Guinea-Bissau, ensure the effective use of weather and water information to make early warnings, mainstream climate change information into long-term development plans, and work toward ensuring the sustainability of investments in new climate services	United Nations Development Programme (UNDP), Global Environment Facility (GEF), National Institute of Meteorology of Guinea-Bissau (INM-GB), General Directorates of Environment & Hydrology, Guinea Bissau Ports Authority, National Directorates of Fishing & Disaster Risks Management, Directorates of Infrastructure and Land Management		GEF- The Least Developed Countries Fund (LDCF)	69,000,000	USD	69,000,000	The 63 million USD (Government of Guinea Bissau proposed co-financing), 6 million USD is (proposed GEF grant)	<a href="http://www.adaptation-undp.org/projects/strengthening-climate-information-and-early-warning-systems-climate-resilient-development-0">http://www.adaptation-undp.org/projects/strengthening-climate-information-and-early-warning-systems-climate-resilient-development-0</a>
98	Western Africa	the Republic of Liberia	Climate Information for Resilient Development and Adaptation to Climate Change in Africa (CIRDA)	Programme	2014- 2018	To strengthen national climate information systems as well as to benefit from regional coordination and draw upon a platform of knowledge management	United Nations Development Programme (UNDP), Global Environment Facility (GEF)		The Least Developed Countries Fund (LDCF)	6,070,000	USD	6,070,000	Officially ends in 2018; CO will confirm new extension date if approved	<a href="http://www.adaptation-undp.org/projects/cirda">http://www.adaptation-undp.org/projects/cirda</a>
99	Western Africa	the Republic of Liberia	Strengthening Liberia's Climate Information and Services to Enhance Climate Resilient Development and Adaptation	Project	2013-2017	Responds to priorities and actions identified in the Liberia's NAPA which articulate the need for securing, transferring and installing critical technologies, as well as developing the necessary systems for climate change-related information to permeate into decision-making processes	Government of Liberia, United Nations Development Programme (UNDP), Ministry of Agriculture, Government of Liberia, Global Environment Facility (GEF), Liberia Ministry of Lands, Mines, and Energy		The Least Developed Countries Fund (LDCF)	18,589,700	USD	18,589,700		<a href="http://www.adaptation-undp.org/projects/ldcf-ews-liberia">http://www.adaptation-undp.org/projects/ldcf-ews-liberia</a> <a href="http://www.adaptation-undp.org/sites/default/files/downloads/liberia_project_document.pdf">http://www.adaptation-undp.org/sites/default/files/downloads/liberia_project_document.pdf</a>
100	Western Africa	the Republic of Mali	Mali: Hydrological and Meteorological Services Modernization Project	Project	July 2017 – June 2021	To improve the country's hydro-meteorological, early warning and response systems and services	World Bank/GFDRR, World Meteorological Organization (WMO), Green Climate Fund (GCF), International Development Association (IDA)		CREW	34,233,00	USD	34,233,00		<a href="http://www.crews-initiative.org/en/projects/mali-hydrological-and-meteorological-services-modernization-project">http://www.crews-initiative.org/en/projects/mali-hydrological-and-meteorological-services-modernization-project</a>
101	Western Africa	the Republic of the Niger	Africa Climate-Smart Agriculture Alliance	Initiative	2014 - 2021	For mainstreaming climate change in agriculture	the New Partnership for Africa's Development (NEPAD) , international NGOs (Care, Oxfam, World Vision, Catholic Relief Services (CRS), and Concern Worldwide), African regional institutions (the Common Market for Eastern and Southern Africa (COMESA), Economic Community of West African States (ECOWAS), and The Pan-African Farmers' Organization (PAFO)) and technical partners (CGIAR-CCAFS, the Food,							<a href="https://ccafs.cgiar.org/blog/africa-csa-alliance-path-implementation#.WxiG-X-6FPcs">https://ccafs.cgiar.org/blog/africa-csa-alliance-path-implementation#.WxiG-X-6FPcs</a>

							Agriculture and Natural Resources Policy Analysis Network (FANRPAN), Food and Agriculture Organization of the United Nations (FAO), and The Forum for Agricultural Research in Africa (FARA))							
102	Western Africa	the Republic of the Niger	Integrating Climate Resilience into Agricultural and Pastoral Production for Food Security in Vulnerable Rural Areas through the Farmers Field School Approach	Project	2013-	To enhance the capacity of Niger's agricultural and pastoral sectors to cope with climate change, by mainstreaming Climate Change Adaptation (CCA) practices and strategies into on-going agricultural development policies and programmes	Food and Agriculture Organization, Ministry of Agriculture and Husbandry (MAE) in collaboration with "Conseil National de l'Environnement et du Développement Durable" CNEDD, "Ministere du Plan, de l'Aménagement du Territoire et du Développement Communautaire", Ministry of Environment (ME) and Secretariat of the Rural Development Strategy (SDR)		The Least Developed Countries Fund (LDCF)	17,808,871	USD	17,808,871		<a href="https://www.thegef.org/project/integrating-climate-resilience-agricultural-and-pastoral-production-food-security-vulnerable">https://www.thegef.org/project/integrating-climate-resilience-agricultural-and-pastoral-production-food-security-vulnerable</a>
103	Western Africa	the Republic of the Niger	Scaling up Climate-Smart Agriculture Technologies for Improved Food and Nutrition Security in Niger	Project	June 2016 - May 2019	Aims to improve the adoption of best bet climate-smart agricultural practices that enhance the resilience of farmers and their farmlands to climate change. It also plan to open new income streams to enhance the adoption of CSA practices	National Institute for Agricultural Research of Niger (INRAN),The International Crops Research Institute for the Semi-Arid Tropics (ICRISAT)		World bank	1,400,000	EUR	1,637,503		<a href="https://ccafs.cgiar.org/scaling-climate-smart-agriculture-technologies-improved-food-and-nutrition-security-niger#.W18DzK6WblU">https://ccafs.cgiar.org/scaling-climate-smart-agriculture-technologies-improved-food-and-nutrition-security-niger#.W18DzK6WblU</a>
104	Western Africa	the Republic of the Niger	FoodSECURE-Forecast-Based Financing	Project	2015 -	To make early preparation and community level actions, pre-planned based on credible forecasts, and funded and implemented before the disaster strikes	The International Research Institute for Climate and Society (IRI) , National and Local government		World Food Program (WFP)					<a href="http://www.wfp.org/climate-change/initiatives/food-secure">http://www.wfp.org/climate-change/initiatives/food-secure</a>
105	Western Africa	the Republic of the Niger,the Republic of Senegal	ATLAS – Climate Adaptation Thought Leadership and Assessment	Project	2018	ATLAS aims to synthesise best practices and to guide missions and their partners to the right tools for assessing risks and evaluating adaptation options	N/A		United States Agency for International Development (USAID)	3,500,000	USD	3,500,000		<a href="https://www.climateinsights.org/projects/atlas">https://www.climateinsights.org/projects/atlas</a>
106	Western Africa	the Republic of the Niger,the Republic of Senegal	Assessing Sustainability and Effectiveness of Climate Information Services in Africa (Sustainable CIS)	Project	2016 - 2018	To generate and analyze new information, evidence, and learning on the effective and sustainable production, delivery and use of climate information to improve decision-making and outcomes for rural agricultural livelihood	Global Framework for Climate Services (GFCS) , CSAG,CILSS, International Research Institute for Climate and Society (IRI), WINROCK international, World Meteorological Organization (WMO)		United States Agency for International Development (USAID)					<a href="https://www.climateinsights.org/project/assessing-sustainability-and-effectiveness-climate-information-services-0">https://www.climateinsights.org/project/assessing-sustainability-and-effectiveness-climate-information-services-0</a>

107	Western Africa	the Republic of Senegal	Climate Information Services for Increased Resilience and Productivity in Senegal (CINSERE)	Project	2016 - 2019	Seeks to increase the resilience and productivity of targeted Senegalese farming, pastoralist and fisher communities in the Feed the Future Zone of Influence in the face of climate variability and change through the improved provision, communication, and use of climate information services	National Civil Aviation and Meteorology Agency of Senegal (ANACIM), the Four Feed the Future Activities (COMFISH, ERA, NaatalMbay and Yaajeende), the National Research Institution (ISRA), the Offices of Agriculture (DA) and Fisheries (DPM), the Ecological Monitoring Council (CSE), the Union of Community Radios (URAC)		United States Agency for International Development (USAID)/Senegal	3,500,000	USD	3,500,000		<a href="https://ccafs.cgiar.org/climate-information-services-increased-resilience-and-productivity-senegal#.Wl8Gia6WblU">https://ccafs.cgiar.org/climate-information-services-increased-resilience-and-productivity-senegal#.Wl8Gia6WblU</a>
108	Western Africa	the Republic of Senegal	R4 Rural Resilience Initiative	Initiative	2014- 2020	To enable vulnerable rural families to increase their food and income security by managing climate-related risks	The World Food Programme (WFP) and Oxfam America (OA)		WFP and Oxfam by sponsors, Swiss Agency for Development and Cooperation (SDC)	4,920,889	USD	4,920,889	The 1,444,058 USD figure is from 2015 - 2017. The Overall budget is 28,199,700 USD including other countries in Africa	<a href="http://www1.wfp.org/r4-rural-resilience-initiative">http://www1.wfp.org/r4-rural-resilience-initiative</a>
109	Western Africa	the Republic of Senegal, Small Island Developments (SIDS)	Adaptation thought leadership & assessments (atlas): Advancing climate-resilient development	Project	January ,2018 - December 2018	Aims to improve the quality and effectiveness of climate risk reduction in development programs through tested, harmonized approaches to adaptation assessments; thought leadership; and by building the capacity of USAID and its partners	Experts on research, analysis and United States Agency for International Development (USAID) staff		United States Agency for International Development (USAID)				Possibility of an additional year	<a href="https://www.climateinsights.org/resources/climate-change-adaptation-thought-leadership-and-assessments-atlas">https://www.climateinsights.org/resources/climate-change-adaptation-thought-leadership-and-assessments-atlas</a>
110	Western Africa	the Republic of Senegal, the Federal Republic of Nigeria	GLOBE Legislators Advancing REDD+ and Natural Capital Governance Towards the Delivery of the 2030 Agenda	Project	2017 - 2021	To Enable National Legislators to Advance Policies and Laws for Integration of Natural Capital Approach and REDD+ into Development Policies	United Nations Environment Programme, Global Legislators Organization for a Balanced Environment (GLOBE) Secretariat A.C.		Global Environment Facility (GEF) Trust Fund	1,498,632	USD	1,498,632	The overall budget for Democratic republic of Congo, Senegal Nigeria is 4,495,897 USD	<a href="https://www.thegef.org/project/globe-legislators-advancing-redd-and-natural-capital-governance-towards-delivery-2030-agenda">https://www.thegef.org/project/globe-legislators-advancing-redd-and-natural-capital-governance-towards-delivery-2030-agenda</a>
111	Western Africa	the Republic of Sierra Leone	Climate Information for Resilient Development and Adaptation to Climate Change in Africa (CIRDA)	Programme	2014- 2018	To strengthen national climate information systems as well as to benefit from regional coordination and draw upon a platform of knowledge management	United Nations Development Programme (UNDP), Global Environment Facility (GEF)		The Least Developed Countries Fund (LDCF)	3,600,000	USD	3,600,000		<a href="http://www.adaptation-undp.org/projects/cirda">http://www.adaptation-undp.org/projects/cirda</a>
112	Western Africa	the Republic of Sierra Leone	Strengthening Climate Information and Early Warning Systems in Sierra Leone	Project	2013-2017	Responds to priorities and actions identified in the NAPA of Sierra Leone which articulate the need for securing, transferring and installing critical technologies, as well as developing the necessary systems for climate change-related information to permeate into decision-making processes	Sierra Leone Meteorological Department, UN Office of Disaster Risk Reduction, United Nations Development Programme (UNDP), Global Environment Facility (GEF)		The Least Developed Countries Fund (LDCF)	22,600,000	USD	22,600,000		<a href="http://www.adaptation-undp.org/projects/ldcf-ews-sierraleone">http://www.adaptation-undp.org/projects/ldcf-ews-sierraleone</a>
113	Western Africa	Western Africa	Adaptation of West African Coastal Areas (WACA) Resilience Investment Project	Initiative	April 9, 2018 - December 31, 2023	Integrate infrastructure and natural resources management in order to enhance their resilience to climate change	N/A		World Bank and non-bank sources	221,700,000	USD	221,700,000		<a href="http://projects.worldbank.org/P162337/?lang=en&amp;tab=details">http://projects.worldbank.org/P162337/?lang=en&amp;tab=details</a>

114	Western Africa	Western Africa	African Monsoon Multidisciplinary Analysis 2050 (AMMA-2050)	Initiative	1 July 2015 - 30 June 2019	Improve understanding of how the West African monsoon will be affected by climate change in the coming decades – and help West African societies prepare and adapt	Institut International d'Ingénierie de l'Eau et de l'Environnement (2iE), l'Agence Nationale de l'Aviation Civile et de la Météorologie (ANACIM), Centre for Ecology & Hydrology (CEH), Centre de coopération internationale en recherche agronomique pour le développement (CIRAD), CNRS-Groupe d'étude de l'Atmosphère Météorologique (CNRS-GAME), Institut Pierre Simon Laplace - Laboratoire d'océanographie et du climat (IPSL-LOCEAN), Institute de recherche pour le développement-Diversité - Adaptation - Développement des plantes (IRD-DIADE), Institut de recherche pour le développement-Laboratoire d'étude des Transferts en Hydrologie et Environnement (IRD-LTHE), Institut Sénégalaise de Recherches Agricoles (ISRA), Met Office UK (MO), Université Cheikh Anta DIOP de Dakar - Ecole Supérieure Polytechnique( UCAD-ESP), University of Cape Coast (UCC) , Université Félix Houphouet Boigny (UFHB), University of Leeds (UoL), University of Sussex (UoS), King's College London VNG Consulting Ltd. (KCL & VNG)		UK AID, Future climate for Africa, Science of the Environment (NERC), African Monsoon Multidisciplinary Analysis 2050 (AMMA-2050)						<a href="http://www.amma2050.org/Home">http://www.amma2050.org/Home</a>
115	Western Africa	Western Africa	Climate service for Africa	Project	2014-2018	To strengthen climate services for agriculture and food security through regional institutions and processes.	United States Agency for International Development (USAID), International Center for Tropical Agriculture (CIAT), AGRYMET Regional Centre (ARC), Intergovernmental Authority on Development (IGAD), Climate Prediction & Applications Centre (ICPAC), the		United States Agency for International Development (USAID)	675,000	675,000	675,000	The overall budget for both Regional (Intergovernmental Authority on Development (IGAD) and Economic Community of West African States( ECOWAS)) is 1,350,000 USD	<a href="https://ccafs.cgiar.org/climate-services-africa#">https://ccafs.cgiar.org/climate-services-africa#</a>	

							International Livestock Research Institute (ILRI) and the International Research Institute for Climate and Society (IRI) at Columbia University.							
116	Western Africa	West Africa	Promotion of Smart Agriculture Towards Climate Change West Africa Transitioning towards Agro-ecology	Initiative	2015 -	To support the transition towards agro-ecology in West Africa to reinforce the resilience of vulnerable populations	NGOs and producers (involvement of producer organisations and operators).		the European Union, the World Bank, and the New Partnership for Africa's Development (NEPAD) of the African Union					<a href="https://unfccc.int/news/promotion-of-smart-agriculture-towards-climate-change-and-agro-ecology-transition-in-west-africa">https://unfccc.int/news/promotion-of-smart-agriculture-towards-climate-change-and-agro-ecology-transition-in-west-africa</a>
117	Western Africa		West Africa Biodiversity and Climate Change (WA-BICC)	Project	May 2015 – May 2020	Improve conservation and climate-resilient, low-emission growth across West Africa	Tetra Tech ARD, Development & Training Services Inc. (dTS), Center for International Earth Science Information Network (CIESIN), Population Communications International (PCI) Media Impact, Wetlands International Africa (WIA), Pact World		United States Agency for International Development (USAID)	48,900,000	USD	48,900,000		<a href="https://www.usaid.gov/west-africa-regional/factsheets/west-africa-biodiversity-and-climate-change-wa-bicc">https://www.usaid.gov/west-africa-regional/factsheets/west-africa-biodiversity-and-climate-change-wa-bicc</a>
118	Southern Africa	the Republic of Angola	Promoting Climate-resilient Development and Enhanced Adaptive Capacity to Withstand Disaster Risks in Angola's Cuvelai River Basin	Project		To reduce the climate-related vulnerabilities facing the inhabitants of Angola's Cuvelai River Basin through targeted investments and capacity building.	Ministry of the Environment of Angola, United Nations Development Programme (UNDP)		The Least Developed Countries Fund (LDCF)	54,823,004	USD	54,823,004		<a href="https://www.thegef.org/project/promoting-climate-resilient-development-and-enhanced-adaptive-capacity-withstand-disaster">https://www.thegef.org/project/promoting-climate-resilient-development-and-enhanced-adaptive-capacity-withstand-disaster</a>
119	Southern Africa	the Republic of Botswana	Department of Meteorological Services Republic of Botswana	Programme		To timely provide and exchange reliable and accurate weather and climate data and information and related services, by observing, collecting, monitoring, processing, analyzing, forecasting and predicting weather and climate through the use of up-to-date technology to enable optimal utilization of resources and to contribute to the safety and protection of life and property.								<a href="http://www.info.bw/~mettest/">http://www.info.bw/~mettest/</a>
120	Southern Africa	the Republic of Botswana, the Republic of Malawi, the Republic of South Africa	WHO UNFCCC Climate and Health Country Profiles	Project		Aim to provide country-specific, evidence-based snapshots of the climate hazards and health risks facing countries								<a href="http://www.who.int/globalchange/resources/countries/en/">http://www.who.int/globalchange/resources/countries/en/</a>

121	Southern Africa	Republic of Cabo Verde, the Republic of Guinea-Bissau and the Seychelles	Support the Scaling up of CSA approach in Cabo Verde, Guinea Bissau and the Seychelles	Project		To promote the adoption of efficient and climate-smart food production practices, which will include a broad range of activities, such as the promotion of efficient and CSA practices by smallholders using wide range of easy-to-grow crops of high nutritional value and market value; strengthening the organizational capacity of smallholders to cope with the impact of climate change	Food and Agriculture Organization of the United Nations (FAO)		Food and Agriculture Organization of the United Nations (FAO)					<a href="https://ccafs.cgiar.org/support-scaling-csa-approach-cabo-verde-guinea-bissau-and-seychelles#.WI7-DK6WblU">https://ccafs.cgiar.org/support-scaling-csa-approach-cabo-verde-guinea-bissau-and-seychelles#.WI7-DK6WblU</a>
122	Southern Africa	the Republic of Malawi	Climate Information for Resilient Development and Adaptation to Climate Change in Africa (CIRDA)	Programme	2014 - 2018	To strengthen national climate information systems as well as to benefit from regional coordination and draw upon a platform of knowledge management	United Nations Development Programme (UNDP), Global Environment Facility (GEF)		The Least Developed Countries Fund (LDCF)	3,600,000	USD	3,600,000	Project closure on-going	<a href="http://www.adaptation-undp.org/projects/cirda">http://www.adaptation-undp.org/projects/cirda</a>
123	Southern Africa	the Republic of Malawi	GFCS Adaptation Programme in Africa	Program		Global Framework for Climate Service implementation at a national level to bring sectoral partners together to enhance user-driven climate services for food security, disaster risk reduction, and health	WMO; the CGIAR Research Programme on Climate Change, Agriculture and Food Security (CCAFS); the Centre for International Climate and Environmental Research Oslo (CICERO); the Chr. Michelsen Institute (CMI); the International Federation of Red Cross and Red Crescent Societies (IFRC) through the Tanzanian and Malawian Red Cross; the World Food Programme (WFP); and the World Health Organization (WHO)		the Government of Norway					<a href="http://www.climhealthafrica.org/projects-gfcs">http://www.climhealthafrica.org/projects-gfcs</a>
124	Southern Africa	the Republic of Malawi	R4 Rural Resilience Initiative	Initiative	2017 - 2020	To enable vulnerable rural families to increase their food and income security by managing climate-related risks	The World Food Programme (WFP) and Oxfam America (OA)		WFP and Oxfam by sponsors, Swiss Agency for Development and Cooperation (SDC)	1,591,070	USD	1,591,070	The 1,591,070 USD figure is from 2015 - 2017. The Overall budget is 28,199,700 USD including other countries in Africa	<a href="http://www1.wfp.org/r4-rural-resilience-initiative">http://www1.wfp.org/r4-rural-resilience-initiative</a>
125	Southern Africa	the Republic of Malawi	Saving Lives, Protecting Agriculture Based Livelihoods in Malawi (M-Climes)	Project	2016 - 2022	Support the Government of Malawi to take important steps to save lives and enhance livelihoods at risk from climate-related disasters	Department of Climate Change and Meteorological Services, Government of Malawi, Green Climate Fund		Green Climate Fund	12,300,000	USD	12300000	US\$12.3 million (GCF grant according to GCF website) US\$4 million (Government of Malawi) US\$2.2 million, UNDP US\$1.8 million, according to GCF website)	<a href="http://adaptation-undp.org/projects/gcf-saving-lives-and-protecting-agriculture-based-livelihoods-malawi-scaling-use-modernized">http://adaptation-undp.org/projects/gcf-saving-lives-and-protecting-agriculture-based-livelihoods-malawi-scaling-use-modernized</a>

126	Southern Africa	the Republic of Malawi	Strengthening climate information and early warning systems in Eastern and Southern Africa for climate resilient development and adaptation to climate change – Malawi	Initiative	2013 - 2017	To strengthen the climate monitoring capabilities, early warning systems and available information for responding to climate shocks and planning adaptation to climate change in Malawi	Department of Climate Change and Meteorological Services, Government of Malawi ,United Nations Development Programme (UNDP),Department of Disaster Management Affairs, Government of Malawi, Global Environment Facility (GEF)		(GEF/ The Least Developed Countries Fund (LDCF) , United Nations Development Programme (UNDP), Department for International Development (DFID)	14,894,907	USD	14,894,907	Regular (GEF/LDCF) US\$ 3,600,000 United Nations Development Programme (UNDP), Department for International Development (DFID) ,Government	<a href="http://adaptation-undp.org/projects/ldcf-ews-malawi">http://adaptation-undp.org/projects/ldcf-ews-malawi</a>
127	Southern Africa	the Republic of Malawi	Uncertainty Reduction in Models for Understanding Development Applications (UMFULA)	Project	1 June 2015 - 1 June 2019	To support long-term – 5 to 40 years – planning decisions in central and southern Africa around resource use, infrastructure investment and cross-sectoral growth priorities, by identifying adaptation pathways which are robust and resilient in the face of climate change and other non-climate stressors	Grantham Research Institute on Climate Change and the Environment (London School of Economics and Political Science); Kulima Integrated Development Solutions; University of Oxford; University of Cape Town; Sokoine University of Agriculture; Lilongwe University of Agriculture and Natural Resources; University of Leeds Sustainability Research Institute; Council for Scientific and Industrial Research; University of Manchester; University of KwaZulu-Natal; University of Sussex; University of Dar Es Salaam; University of Zambia; University of Yaoundé; South African Weather Services; Tanzania Meteorological Agency; Mozambique National Institute of Meteorology							<a href="http://www.futureclimateafrica.org/project/umfula/">http://www.futureclimateafrica.org/project/umfula/</a>
128	Southern Africa	the Republic of Malawi, the Republic of Zambia	Africa Climate-Smart Agriculture Alliance	Initiative	2014 - 2021	For mainstreaming climate change in agriculture	NEPAD, international NGOs (Care, Oxfam, World Vision, CRS, and Concern Worldwide), African regional institutions (COMESA, ECOWAS, and PAFO) and technical partners (CGIAR-CAAFS, FANRPAN, FAO, and FARA)							<a href="https://ccafs.cgiar.org/blog/africa-csa-alliance-path-implementation#WxigX-6FPcs">https://ccafs.cgiar.org/blog/africa-csa-alliance-path-implementation#WxigX-6FPcs</a>
129	Southern Africa	the Republic of Malawi, the kingdom of Lesotho	El Niño and Health Global Overview			Provides an analysis of the current and expected evolution of El Niño conditions, their impacts on health, and country response actions			World Health Organization (WHO)					<a href="http://www.who.int/hac/crises/el-nino/en/">http://www.who.int/hac/crises/el-nino/en/</a>

130	Southern Africa	the Republic of Malawi, the Republic of Zambia	ENACTS – Enhancing National Climate Services (ENACTS)	Initiative		The Enhancing National Climate Services (ENACTS) initiative transforms local, national and regional climate-sensitive development decisions through the widespread uptake of timely, relevant, locally-enhanced and quality-assured climate information at relevant spatial and temporal scales.	ACPC, SERVIR ,United States Agency for International Development (USAID), CGIAR, CCAFS, AGRHYMET		International Research Institute for Climate and Society (IRI),Global Framework for Climate Services (GFCS) Programme , NASA, World Meteorological Organization (WMO), United States Agency for International Development (USAID), Department for International Development (DFID) , NIH, Columbia University project, World Health Organisation (WHO)					<a href="http://www.climhealthafrica.org/projects-enacts">http://www.climhealthafrica.org/projects-enacts</a>
131	Southern Africa	the Republic of Malawi, the Republic of Zambia	Improving Dissemination of Weather Forecasts and Warnings through Radio and Television	Project		Assist National Meteorological and Hydrological Services (NMHSs) in delivering high quality services to the public through radio and television	UK Met Office		Norway	197239	CHF	199878	-	<a href="https://public.wmo.int/en/projects/improving-dissemination-of-weather-forecasts-and-warnings-through-radio-and-television">https://public.wmo.int/en/projects/improving-dissemination-of-weather-forecasts-and-warnings-through-radio-and-television</a>
132	Southern Africa	the Republic of Malawi, the Republic of Zimbabwe	RIASCO Regional Response Plan for the El Niño-induced Drought in Southern Africa	Program		To support Governments to ensure that alongside the necessary humanitarian response they can address systemic issues necessary to avoid repeat shocks and build resilience. is latest crisis provides a unique opportunity for joint action amongst diverse stakeholders, by enhancing our collective understanding of the range of response options along the humanitarian, resilience, macro-economic and risk management spectrum.			World Health Organisation (WHO)					<a href="https://reliefweb.int/report/world/riasco-action-plan-southern-africa-response-plan-el-ni-o-induced-drought-southern">https://reliefweb.int/report/world/riasco-action-plan-southern-africa-response-plan-el-ni-o-induced-drought-southern</a>
133	Southern Africa	the Republic of Malawi, the Republic of Zambia	Vulnerability and Adaptation Assessments			Evaluate current and future vulnerability (i.e. the susceptibility of a population or region to harm) to the health risks of climate change, and identify policies and programmes that could increase resilience, taking into account the multiple determinants of climate-sensitive health outcomes.	World Health Organisation (WHO), and Gesellschaft für Internationale Zusammenarbeit (GIZ), with support from Global Framework for Climate Services (GFCS) in Malawi and Tanzania		World Health Organisation (WHO), and Gesellschaft für Internationale Zusammenarbeit (GIZ)					<a href="http://www.climhealthafrica.org/projects-vulnerability-and-adaptation-assessments">http://www.climhealthafrica.org/projects-vulnerability-and-adaptation-assessments</a>



134	Southern Africa	the Republic of Mali	Supporting smallholder farmers, communities and SMEs in Mali	Program	01-Aug-2013-31-Jul-2019	Aims to help households in such areas that transition from subsistence farming and emergency aid to sustainable rural development. It aims to do this by increasing food and water security, enhancing market access, and strengthening the local economy.	International Centre for Research in Agroforestry, Malian Association for Public Education and Protection of the Environment, Oxfam America, Malian Association for Awareness Raising and Sustainable Development (AMEDD), Sahel Eco		-	6,342,295	USD	6,342,295		<a href="https://rsr.akvo.org/en/project/3913/#summary">https://rsr.akvo.org/en/project/3913/#summary</a>
135	Southern Africa	the Republic of Mozambique	ATLAS – Climate Adaptation Thought Leadership and Assessment	Project		Aims to synthesise best practices and to guide missions and their partners to the right tools for assessing risks and evaluating adaptation options			United States Agency for International Development (USAID)					<a href="https://www.climateinlinks.org/projects/atlas">https://www.climateinlinks.org/projects/atlas</a>
136	Southern Africa	the Republic of Mozambique	Climate Resilience: Transforming Hydro-Meteorological Services	Project	02 September 2013- 31 December 2018	To strengthen hydrological and meteorological information services to deliver reliable and timely climate information to local communities and to support economic development	: National Directorate of Water Resources Management (DNGRH), The National Institute for Meteorology (INAM, Instituto Nacional de Meteorologia), Government of Mozambique		World Bank and Non-Bank Sources	21,000,000	USD	21,000,000		<a href="http://projects.worldbank.org/P131049/climate-resilience-transforming-hydro-meteorological-services?lang=en&amp;tab=overview">http://projects.worldbank.org/P131049/climate-resilience-transforming-hydro-meteorological-services?lang=en&amp;tab=overview</a>
137	Southern Africa	the Republic of Mozambique	National Climate, Environment and Health Observatory			The National Climate, Environment and Health Observatory's primary aim is to monitor and conduct research on climate-sensitive disease								<a href="http://www.climhealthafrica.org/xox-projects/national-climate-and-health-observatory-mozambique">http://www.climhealthafrica.org/xox-projects/national-climate-and-health-observatory-mozambique</a>
138	Southern Africa	the Republic of Mozambique	Strengthening Capacities of Agricultural Producers to Cope with Climate Change for Increased Food Security through the Farmers Field School Approach	Project	2013- 2018	To enhance the capacity of Mozambique's agricultural and pastoral sectors to cope with climate change, by upscaling farmers adoption of Climate Change Adaptation (CCA) technologies and practices through a network of already established Farmers Field Schools (FFS), and by mainstreaming CCA concerns and strategies into on-going agricultural development initiatives, policies and programming	Ministry of the Coordination of Environmental Affairs (MICOA) and Ministry of Agriculture (MINAG), Food and Agriculture Organization (FAO)		The Least Developed Countries Fund (LDCF)	36,544,657	USD	36,544,657		<a href="https://www.thegef.org/project/strengthening-capacities-agricultural-producers-cope-climate-change-increased-food-security">https://www.thegef.org/project/strengthening-capacities-agricultural-producers-cope-climate-change-increased-food-security</a> <a href="https://www.thegef.org/sites/default/files/project_documents/ID5433_Council_letter_0.pdf">https://www.thegef.org/sites/default/files/project_documents/ID5433_Council_letter_0.pdf</a>
139	Southern Africa	the Republic of Mozambique	Feed the Future Mozambique Improved Seeds for Better Agriculture (SEMEAR)	Project	2015 - 2020	To increase the adoption of improved technologies, income, and food security of smallholder farmers in Manica, Tete, Zambézia and Nampula provinces	IITA - International Institute for Tropical Agriculture, IIAM - Agricultural Research Institute of Mozambique, CIAT - International Center for Tropical Agriculture, ICRISAT - International Crops Research Institute for the Semi-Arid Tropics, IIAM - Agricultural Research Institute of Mozambique, CIAT - International		United States Agency for International Development (USAID), FTF - United States Agency for International Development, Feed the Future program					<a href="https://ciat.cgiar.org/ciat-projects/feed-the-future-mozambique-improved-seeds-for-better-agriculture-semear/">https://ciat.cgiar.org/ciat-projects/feed-the-future-mozambique-improved-seeds-for-better-agriculture-semear/</a>

							Center for Tropical Agriculture, ICRISAT - International Crops Research Institute for the Semi-Arid Tropics							
140	Southern Africa	the Republic of Mozambique	Cities and Climate Change	Project	January 2015-December 2018	To strengthen municipal capacity for sustainable urban infrastructure provision and environmental management which enhance resiliency to climate related risks.	Administration For Water Supply and Sanitation Infrastructure (AIAS)		World Bank and Non-Bank Source	15,750,000	USD	15,750,000		<a href="http://www.projects.worldbank.org/P146059?lang=en">http://www.projects.worldbank.org/P146059?lang=en</a>
141	Southern Africa	the Republic of Mozambique	Integrating Disaster Risk Reduction and Climate Change Adaptation into District Development Plans in Mozambique	Project	September 2015- June 2018	To contribute to the integrating disaster risk reduction (DRR) and climate change adaptation (CCA) in development strategies in Mozambique and increase resilience of vulnerable communities. It aims to build capacity of target communities to implement community-based disaster risk management activities and provide technical assistance to district and national institutions to integrate DRR and CCA into development planning	GFDRR ,African, Caribbean and Pacific Group of States (ACP), European Union (EU),, United Nations Development Programme, UN-Habitat, World Meteorological Organization (WMO), World Bank		ACP-EU	580,309	USD	580,309		<a href="https://www.gfdr.org/integrating-disaster-risk-reduction-and-climate-change-adaptation-district-development-plans">https://www.gfdr.org/integrating-disaster-risk-reduction-and-climate-change-adaptation-district-development-plans</a>
142	Southern Africa	the Republic of Mozambique,the Republic of Namibia	Operationalizing Green Economy Transition in Africa	Project	2014 - 2018	The transition to a green economy, and to introduce in the partner countries at the sub-national levels (county, district, region)	Ethiopia: Ministry of Environment and Forest; Ghana: Environmental Protection Agency; Kenya: Ministry of Environment, Water and Natural Resources; Rwanda: Rwanda Environmental Management Authority (REMA)		Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB)					<a href="https://www.giz.de/en/worldwide/32044.html">https://www.giz.de/en/worldwide/32044.html</a>
143	Southern Africa	the Republic of Mozambique, SIDS	Adaptation thought leadership & assessments (atlas): Advancing climate-resilient development	Project	Sep-18	Aims to improve the quality and effectiveness of climate risk reduction in development programs through tested, harmonized approaches to adaptation assessments; thought leadership; and by building the capacity of USAID and its partners			United States Agency for International Development (USAID)				Possibility of an additional year	<a href="https://www.climateinaks.org/projects/atlas">https://www.climateinaks.org/projects/atlas</a>
144	Southern Africa	the Republic of Namibia	Biodiversity Management and Climate Change (BMCC) in Namibia	Project	Jan 2017 – Dec 2020 (Phase II)	A coherent implementation of biodiversity and climate change related policies, strategies and practices by MET in cooperation with other Ministries and non-governmental actors increasingly contributes to diversifying and securing	Ministry of Environment and Tourism (MET)		German Federal Ministry for Economic Cooperation and Development (BMZ)	6,000,000	EUR	7,012,631		<a href="https://www.giz.de/en/worldwide/24529.html">https://www.giz.de/en/worldwide/24529.html</a>

						livelihoods of local users of natural resources								
145	Southern Africa	the Republic of South Africa	Adaptation to Climate Change in Agricultural Development in Africa (CAADP Climate)	Project	2017- 2019	To achieve annual agricultural growth rates of more than 6 per cent as a means of promoting food security and economic development.	NEPAD Planning and Coordinating Agency (NPCA) and GIZ, African Union Commission (AUC)		German Federal Ministry for Economic Cooperation and Development (BMZ)	3,000,000	EUR	3,506,315		<a href="https://www.giz.de/en/worldwide/15891.html">https://www.giz.de/en/worldwide/15891.html</a>
146	Southern Africa	the Republic of South Africa	Climate Support Programme (CSP)	Programme	2017- 2020	Towards implementing its national climate policy and plays a leading role in international climate negotiations.	Department of Environmental Affairs (DEA)		German Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB)	16,000,000	EUR	18,700,242		<a href="https://www.giz.de/en/worldwide/17807.html">https://www.giz.de/en/worldwide/17807.html</a>
147	Southern Africa	the Republic of South Africa	Capacity Building Programme to Implement South Africa's Climate National System	Project	2018 -	Meeting the enhanced transparency framework requirement under the Paris Agreement	The Department of Environmental Affairs (DEA),United Nations Environment Programme		Capacity-building Initiative for Transparency	3,419,065	USD	3,419,065		<a href="https://www.thegef.org/project/capacity-building-programme-implement-south-africas-climate-national-system">https://www.thegef.org/project/capacity-building-programme-implement-south-africas-climate-national-system</a>
148	Southern Africa	the Republic of South Africa	The African Climate & Development Initiative (ACDI)	Initiative	2011- ongoing	Aims to bring together academics, NGOs, business and government to co-produce and test new insights, evidence and innovations that will help to solve Africa's climate and development challenges			University Of Cape Town, Local and International Funders	19,271,237	ZAR	1,515,319		<a href="http://acdi.uct.ac.za/sites/default/files/ACDI%20five-year%20reflection%20-%202011-2015-compressed.pdf">http://acdi.uct.ac.za/sites/default/files/ACDI%20five-year%20reflection%20-%202011-2015-compressed.pdf</a>
149	Southern Africa	the Republic of Zambia	Climate Information for Resilient Development and Adaptation to Climate Change in Africa (CIRDA)	Programme	2014 -2018	To strengthen national climate information systems as well as to benefit from regional coordination and draw upon a platform of knowledge management	United Nations Development Programme (UNDP), Global Environment Facility (GEF)		The Least Developed Countries Fund (LDCF)	4,000,000	USD	4,000,000		<a href="http://www.adaptation-undp.org/projects/cirda">http://www.adaptation-undp.org/projects/cirda</a>
150	Southern Africa	the Republic of Zambia	Strengthening Climate Information and Early Warning Systems in Zambia	Project	2013-2017	Focused on strengthening the capacity of national and sub-national entities to monitor climate change, generate reliable hydro-meteorological information (including forecasts) and to be able to combine this information with other environmental and socio-economic data to improve evidence-based decision-making for early warning and adaptation responses as well as planning	Government of Zambia, United Nations Development Programme (UNDP), Global Environment Facility (GEF)		The Least Developed Countries Fund (LDCF)	17,131,947	USD	17,131,947		<a href="http://www.adaptation-undp.org/projects/ldcf-ews-zambia">http://www.adaptation-undp.org/projects/ldcf-ews-zambia</a> <a href="http://www.adaptation-undp.org/sites/default/files/downloads/zambia_project_document.pdf">http://www.adaptation-undp.org/sites/default/files/downloads/zambia_project_document.pdf</a>
151	Southern Africa	Zambia	R4 Rural Resilience Initiative	Initiative	2015- 2020	To enable vulnerable rural families to increase their food and income security by managing climate-related risks	The World Food Programme (WFP) and Oxfam America (OA)		WFP and Oxfam by sponsors, Swiss Agency for Development and Cooperation (SDC)	1,444,058	USD	1,444,058	The 4,920,889 USD figure is from 2015 - 2017. The Over all budget is 28,199,700 USD including other countries in Africa	<a href="http://www1.wfp.org/r4-rural-resilience-initiative">http://www1.wfp.org/r4-rural-resilience-initiative</a>

152	Southern Africa	the Republic of Zimbabwe	Food Security Climate Resilience Facility (FoodSECuRE)						The World Food Programme (WFP)					<a href="http://www.wfp.org/climate-change/initiatives/food-secure">http://www.wfp.org/climate-change/initiatives/food-secure</a>
153	Southern Africa		Regional Partnership for African Fisheries Policy Reform Project Paper	Project	January 7/2015 ongoing	Improve the Access to Best Practices and New Knowledge on Fisheries Management of Selected SSA Countries.	The World Bank, Strategic Partnership for Sustainable Fisheries Management in the Large Marine Ecosystems in Africa		Global Environment Facility (GEF) Trust Fund	14,000,000	USD	14,000,000		<a href="https://www.thegef.org/project/regional-partnership-african-fisheries-policy-reform-rafip">https://www.thegef.org/project/regional-partnership-african-fisheries-policy-reform-rafip</a>
154	Southern Africa	SADC member states	SADC Adaptation to Climate Change in Rural Areas in southern Africa	Project	2016 - 2018	Increase the capacities of SADC member states to integrate climate change aspects into agricultural programmes and investments			German Federal Ministry for Economic Cooperation and Development (BMZ)					<a href="https://www.giz.de/en/worldwide/53743.html">https://www.giz.de/en/worldwide/53743.html</a>
155	Africa		African Adaptation Initiative (AAI)	Initiative	December 2015 -	To enhance action on adaptation, with the aim of addressing the adaptation financing gap, and implementing measures to address loss and damage in Africa.								<a href="https://www.africaadaptationinitiative.org/">https://www.africaadaptationinitiative.org/</a>
156	Africa		Adaptation Learning Programme for Africa (ALP)	Programme	2010- 2017	Aims to increase the capacity of vulnerable households in sub-Saharan Africa to adapt to increasing and uncertain climate change and climate variability.	CARE		UK Aid					<a href="http://careclimatechange.org/our-work/alp/">http://careclimatechange.org/our-work/alp/</a>
157	Africa		Adaptation for Smallholder Agriculture Programme (ASAP)	Programme	2012-	To improve the climate resilience of large-scale rural development programmes and improve the capacity of at least 8 million smallholder farmers to expand their options in a rapidly changing environment	Climate and Development Knowledge Network (CDKN), ALM, Global donor platform for rural development , CCAFS/CGIAR		International Fund for Agricultural Development (IFAD), the governments of Belgium, Canada, Finland, France, the Republic of Korea, the Netherlands, Norway, Sweden, Switzerland, the United Kingdom and the Region of Flanders	301,500,000	USD	301,500,000		<a href="https://www.ifad.org/en/topic/asap/tags/climate-change/2782791">https://www.ifad.org/en/topic/asap/tags/climate-change/2782791</a>
158	Africa		African Center of Meteorological Application for Development (ACMAD)	Programme		The provision of weather and climate information and for the promotion of sustainable development of Africa (notably within the context of national strategies for poverty eradication), in the fields of agriculture, water resources, health, public safety and renewable energy.	France , United States, United Kingdom, Spain Germany ,Canada ,China, Australia, the sub-regional economic groupings SADC, ECOWAS, IGAD , CEMAC , CILSS , COI, partner institutions: DMC, Harare and IPCAC, Nairobi , NBA, AGRHYMET CERMES , CRESA , EAMAC , ICRISAT, International Institutions , METEO-France , IRD , MEDIAS, France,							<a href="http://www.acmad.net/new/?q=en">http://www.acmad.net/new/?q=en</a>

							UKMO,INM, Espagne, National Oceanic and Atmospheric Administration (NOAA) , IRI CIMMS – EUMETSAT, CEPMMT, PNUD ,PNUE ,World Space							
159	Africa		Associated Programme on Flood Management (APFM)	Initiative	2001 – open ended	To support countries in the integrated management of floods	World Meteorological Organization (WMO) and the Global Water Partnership (GWP)		United States Agency for International Development (USAID), CONAGUA, Government of Switzerland					<a href="http://www.floodmanagement.info/">http://www.floodmanagement.info/</a>
160	Africa		Climate for Development in Africa (ClimDev-Africa)	Initiative	2009 -		AUC-UNECA-AfDB and other African and non-African institutions and partners specialized in climate and development		UK Aid, United States Agency for International Development (USAID), Nordic development Fund, Sweden, EU and United States Agency for International Development (USAID)					<a href="http://www.climdev-africa.org">www.climdev-africa.org</a>
161	Africa		Climate Research for Development in Africa (CR4D)	Initiative	February 2015 -	To strengthen links between climate science research and climate information needs in support development planning in Africa	African Climate Policy Center (ACPC) of United Nations Economic Commission for Africa (UNECA), African Ministerial Conference on Meteorology (AMCOMET), World Meteorological Organization (WMO), and Global Framework for Climate Services (GFCS)		Department for International Development (DFID), WISER					<a href="http://www.climdev-africa.org/cr4d/">http://www.climdev-africa.org/cr4d/</a>
162	Africa		Climate Services for Africa	Project		To strengthen climate services for agriculture and food security through regional institutions and processes	International Center for Tropical Agriculture (CIAT), AGRYMET Regional Centre (ARC), IGAD Climate Prediction & Applications Centre (ICPAC), the International Livestock Research Institute (ILRI) and the International Research Institute for Climate and Society (IRI) at Columbia University		United States Agency for International Development (USAID)					<a href="https://ccafs.cgiar.org/climate-services-africa#h3_1">https://ccafs.cgiar.org/climate-services-africa#h3_1</a>
163	Africa		CORDEX Africa	Initiative		To analyze downscaled regional climate data over the CORDEX-African domain, train young climate scientists in climate data analysis techniques and engage users of climate information in both sector specific and	Global Change System for Analysis Research and Training (START) and the Swedish Meteorological and Hydrological Institute		Multiple – WCRP, Climate and Development Knowledge Network (CDKN), START, SSESS, SMHI, CSAG					<a href="http://www.csag.uct.ac.za/cordex-africa">http://www.csag.uct.ac.za/cordex-africa</a>

						region/space-based applications.								
164	Africa		Enhancing National Climate Services initiative (ENACTS)	Initiative	2008 -	To bring climate knowledge into national decision making by improving availability, access to, and use of climate information.	International Research Institute for Climate and Society (IRI) and the US Agency for International Development (USAID)							<a href="https://iri.columbia.edu/resources/enacts/">https://iri.columbia.edu/resources/enacts/</a>
165	Africa		Feed the Future	Initiative		Equipping people with the knowledge and tools to feed themselves, by addressing the root causes of poverty and hunger, helping people end their reliance on aid, and creating important opportunities for a new generation of young people, while building a more stable world	Civil Society, Private Sector							<a href="https://feedthefuture.gov">https://feedthefuture.gov</a>
166	Africa		Future Climate for Africa (FCFA)	Programme	2014-2019	To generate fundamentally new climate science focused on Africa, and to ensure that this science has an impact on human development across the continent			the UK's Department for International Development (DFID) and NERC					<a href="http://www.futureclimateafrica.org/">http://www.futureclimateafrica.org/</a> <a href="http://www.nerc.ac.uk/research/funded/programmes/fcfa/introducing-fcfa/">http://www.nerc.ac.uk/research/funded/programmes/fcfa/introducing-fcfa/</a>
167	Africa		Great Green Wall for Sahara and the Sahel Initiative (GGWSSI)	Initiative	2008 - ongoing	To grow an 8,000km-long line of trees and plants across the entire Sahel, from the Atlantic coast of Senegal to the east coast of Djibouti – halting desertification and creating a huge swathe of green across the entire African continent, by 12 African nations								<a href="http://www.greatgreenwallinitiative.org/">http://www.greatgreenwallinitiative.org/</a>
168	Africa		Improving Model Processes for African Climate (IMPALA)	Project	1 Jan 15 - 31 Jan 19	Focus on a single climate model, the Met Office Unified Model, to improve its simulation of African climate through a better understanding and representation of weather and climate processes	Met Office (UK); African Centre of Meteorological Applications for Development; Centre for Ecology and Hydrology (UK); University of Cape Town; University of Exeter; University of Leeds; University of Nairobi; University of Oxford; University of Reading; University of Yaounde		NERC	626,053	GBP	831,486		<a href="http://www.futureclimateafrica.org/project/impala/">http://www.futureclimateafrica.org/project/impala/</a> <a href="http://gtr.rcuk.ac.uk/projects?ref=NE%2FM017206%2F1">http://gtr.rcuk.ac.uk/projects?ref=NE%2FM017206%2F1</a>
169	Africa		Programme on Climate Information for Resilient Development in Africa (CIRDA)	Programme	2013-	Support national climate services in their efforts to collect, analyze and disseminate climate information as a key tool to save lives and enable long term planning and adaptation.	United Nations Development Programme (UNDP), Global Environment Facility (GEF)		Global Environment For Least Developed Countries Fund (GEF-LDCF)	4,000,000	USD	4,000,000	4 million USD for multi-country	<a href="http://adaptation-undp.org/projects/programme-climate-information-resilient-development-africa-cirda">http://adaptation-undp.org/projects/programme-climate-information-resilient-development-africa-cirda</a>
170	Africa	Sahel	Sahel Irrigation Initiative Support Project	Project	2017- 2024	To improve stakeholders' capacity to develop and manage irrigation and to increase irrigated areas using a regional 'solutions'			International Development Association (IDA) 79.17 IDA Grant 90.83 Glo	197,250,000	USD	197,250,000		<a href="http://projects.worldbank.org/P154482/?lang=en&amp;tab=overview">http://projects.worldbank.org/P154482/?lang=en&amp;tab=overview</a>

						approach in participating countries across the Sahel			bal Partnership on Output-based Aid					
171	Africa		SERVIR West Africa	Initiative	2015-2021	Promote the use of publicly available satellite imagery and related geospatial decision-support tools/products to help key stakeholders and decision makers			United States Agency for International Development (USAID) and NASA					<a href="https://servirglobal.net/Regions/West-Africa">https://servirglobal.net/Regions/West-Africa</a>
172	Africa		SUSTAIN Africa	Initiative		To find and implement solutions in African Growth Corridors that achieve the ambitions of a climate resilient, green and inclusive economy through building new partnerships and capacity among the public and private sector and rural communities at landscape level which address in an integrated manner economic, social, water, land and ecosystems management	International Union for Conservation of Nature (IUCN), IUCN National Committee of the Netherlands, African Wildlife Foundation (AWF), SNV Netherlands Development Organization, Government of the Netherlands, ADPP Mozambique, Micaia Foundation							<a href="http://www.waterandnature.org/initiatives/sustain">http://www.waterandnature.org/initiatives/sustain</a>
173	Africa		The Weather and Climate Information SERVICES for Africa (WISER)	Initiative	2015 - 2019	To enhance the resilience of poor people and of economic development in Africa through improved generation and use of weather and climate information services	The African Climate Policy Centre (ACPC) of the Economic Commission for Africa (ECA), World Meteorological Organization (WMO), UK Met-Office		Department for International Development (DFID)	35,000,000	GBP	46,493,623		<a href="http://climdev-africa.org/wiser/">http://climdev-africa.org/wiser/</a>
174	Africa		AfriAlliance	Project	01 March/2016 - 01-December/2021	Support the existing networks in identifying appropriate social innovation and technological solutions for key water and climate change challenges.	IHE Delft Foundation		European Commission	1	EUR	1		<a href="https://rsr.akvo.org/en/project/5269/">https://rsr.akvo.org/en/project/5269/</a>
175	Africa		Caring for Climate	Initiative										<a href="https://www.unglobalcompact.org/take-action/action/climate">https://www.unglobalcompact.org/take-action/action/climate</a>
176	Africa		The climate community and Biodiversity alliance	Initiative	2003 -	to stimulate and promote land management activities that credibly mitigate global climate change, improve the well-being and reduce the poverty of local communities, and conserve biodiversity	CARE, Conservation International, The Nature Conservancy, Rainforest Alliance, Wildlife Conservation Society		The Blue Moon Fund, The Kraft Fund (administered by the NY Community Trust), BP, Hyundai, Intel, The Rockefeller Foundation, SC Johnson, Sustainable Forestry Management (SFM), Weyerhaeuser					<a href="http://www.climate-standards.org/">http://www.climate-standards.org/</a>