



WATER, CLIMATE AND DEVELOPMENT PROGRAMME TRAINING OF TRAINERS WORKSHOP

‘Economics of Adaptation, Water Security and Climate
Resilient Development in Africa’

- Contribution to national adaptation plan process-

VENUE

**25-29 November 2013,
Capital Hotel, (Haile Gebre Selassie Avenue next to Bulgaria Embassy or
Ministry of Water & Energy)
Addis Ababa - Ethiopia**

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1. Background

In November 2010, during the 3rd Africa Water Week, the African Ministers' Council on Water (AMCOW) adopted a decision recommending the Global Water Partnership (GWP) and partners to operationalize the Water, Climate and Development Programme (WACDEP). The programme supports the implementation of climate change commitments in the Sharm el Sheikh Declaration.

The goal of the WACDEP is to promote water as a key part of sustainable regional and national development and contribute to climate change adaptation for economic growth and human security. The overall objective is to support integration of water security and climate resilience in development planning and decision making processes, through enhanced technical and institutional capacity and predictable financing and investments in water security and climate change adaptation. Funding for the programme is provided by the Austria Development Agency, Danida and the UK Department for International Development (DFID).

WACDEP supports implementation of AMCOW's work program. Initially, the WACDEP targets eight countries, four transboundary river basins and one shared aquifer; Cameroon, Ghana, Burkina Faso, Mozambique, Zimbabwe, Burundi, Rwanda and Tunisia; Limpopo, Kagera, Lake Chad and Volta Basins, and the North-Western Sahara Aquifer. The transboundary approach will enable 23 countries to benefit from the programme. WACDEP will run until 2016. For more information: <http://www.gwp.org/wacdep>.

UNDP is also supporting the implementation of GEF LDCF projects in several African countries including the ones involved in the WACDEP. Most of these projects aim at advancing the mainstreaming of climate change adaptation within the national, local and sectorial development frameworks and strategies.

Furthermore, in collaboration with the UNITAR, WHO, FAO, IFAD and GWP, UNDP and UNEP are implementing a National Adaptation Plan Global Support programme. Through this process, the WACDEP also contributes to achievement of the objectives of the UNFCCC national adaptation plans (NAPs) process aimed at supporting countries to mainstream adaptation in development processes., NAPs are underway in preparation for the operationalization of the Green Climate Fund and the emerging global architecture on climate finance.

The Global Support programme to advance national adaptation plans (NAPs)

This UNDP-UNEP programme, financed by the LDCF, is assisting Least Developed Countries (LDCs) to advance National Adaptation Plans (NAPs). NAPs will bring greater focus and coordination to country-led efforts in disaster management and disaster risk reduction, and climate change adaptation. The NAP will add to the strategic suite of other sectoral plans and policies for countries that help to guide internal development resourcing mechanisms as well as those provided by donors. NAP support is based on three main pillars: 1. Institutional support, 2. Technical support and 3. Knowledge brokering. UNDP-UNEP efforts will support LDCs in integrating medium- to long-term planning for adaptation to climate change.

2. Capacity development

Capacity development of countries is urgently required to enhance local technical, analytical and institutional capacity for climate resilient development. This is a key pillar of the WACDEP and UNDP GEF 's assistance to countries on accessing climate finance and NAPs process. Investment planning for climate resilience needs to be informed by sound economic analysis of adaptation.

The objective of this capacity building initiative is to, among other things, also develop the capacity of planners and technical officers in planning/finance as well as in ministries in charge of environment, agriculture, water, public works, lands and others. The purpose of the training to identify, develop and appraise no/low regrets investments options and integrate these into national planning processes, development plans and programs.

The initiative will contribute to enhanced understanding of the economics of adaptation as it relates to medium- and long-term national, sub-national and sectorial development planning as well as in evaluating different adaptation investment projects.

The initiative, targeting government planners will produce a cadre of practitioners who can prepare high-quality economic analyses related to climate change adaptation projects and programs, and support integration of no/low regrets investments into national development and sectoral plans.

The implementation of the capacity building programme is embedded in GWP and WACDEP regional and country management teams, linked to the UNDP GEF supported portfolio of adaptation projects. Implementation will be conducted in coordination with UNDP country offices, as established following the methodology proposed in the African Union and AMCOW Framework for Water Security and Climate Resilient Development.

The initiative is drawn on local and regional experts as well as promotes North-South and South-South knowledge exchange through involvement of international organizations and academia such as NIRAS with its partners of Stockholm, Yale School of Forestry and Environmental Studies of the USA and the Centre for Environmental Economics and Policy in Africa (CEEPA) in Pretoria. The initiative will also build and benefit from UNDP-GEF's experience in undertaking similar work elsewhere such as the 'economics of the climate change adaptation programme in Asia'.

It will be delivered as a series of training and experience-sharing workshops interspersed with field work, on the job training and application. The Training Programme will be implemented from October 2013 to December 2014 at the national, transboundary and regional level.

The activities of the WACDEP Capacity Building Programme are organized in 8 phases as follows.

- Programme Management;
- Inception;
- Learning Material Development;
- Capacity Building Team Mobilization;
- Regional and Country Assessments and Plans;
- Production of and Access to Learning Material;
- Delivery of Capacity Building; and
- Summary and Reflections.

In order to enhance capacities of the national teams to implement the training programme at the Country level, the 1st WACDEP Capacity Building Programme Training of Trainers Workshop is being convened by AMCOW in collaboration with GWP and UNDP-GEF. The Training of Trainers Workshop will be held in Addis Ababa from 25th to 29th November 2013.

3. TOT Workshop objectives

The overall objective of the Training of Trainers workshop is to create a common understanding of the WACDEP Capacity Building Programme and how to implement it, as well as building synergies with the UNDP GEF-LDCF projects. In the context of different components, like assessing stakeholders and their vulnerability or the economics of adaptation, the ToT workshop will review materials and strengthen the capacity of participants on these issues by linking their background capacity to the WACDEP Framework and its implementation in countries, regions and basins. This includes all involved in the targeted countries, regions and basins – and in particular the Capacity Building Teams in each country and the National Training Coordinators – to successfully implement the actual training starting in November 2013.

The specific objectives of the workshop are to:

- Share information among all workshop participants about the GWP/WACDEP and UNDP-GEF initiative to jointly support climate adaptation projects by capacity building, coordination and preparing NAPs.
- Enhance the technical knowledge of the AMCOW Strategic Framework for Water Security and climate resilient development
 - How an application of the Framework will help users to identify and develop no/low regret investments, as an outcome of a comprehensive analysis of current and future climate conditions and adaptation options;
 - Present selected Learning Material lectures and train participants both on their technical content and presentation modalities;
 - Create capacity to share a knowledge about the Framework and its practical application at national, regional and basin levels;
- Build a common understanding about WACDEP Capacity Building Programme implementation.
- Enhance an understanding of the National Adaptation Plans (NAPs) process;
- Generate additional comments on the Learning Material before final update and translations are initiated.

4. Participants and methodology

The ToT workshop will be attended by approx. 60 participants, including WACDEP National Training Coordinators and Capacity Building Team members from each country, representatives from AMCOW, UNDP/GEF LDCF financed projects, CDKN, GWP, SIWI and Acclimatise, and NIRAS

The workshop will consist of two components; the first day (Monday 25th November) will be attended by all participants, whereas the following 4 days (Tuesday 26th - Friday 29th November) will be divided in two sessions, one for WACDEP invited participants and one for UNDP-GEF invited participants.

The workshop will be interactive and include thematic lectures, presentations, breakout groups and discussion sessions.

Expected outcomes among participants are:

- Appreciation of the UNDP/GEF LDCF projects and their linkage with the WACDEP and anchorage with the NAP process
- Explain key concepts in climate change and adaptation issues;
- A clear understanding of the WACDEP Capacity Building Programme and its linkages to the broader WACDEP Programme;
- Understand the importance of climate change adaptation and how it differs from climate change mitigation;
- Identify the necessary information needed to carry out an economic analysis of the impact of climate change and evaluate adaptation options.
- Understand basic concepts of sampling and how to design a questionnaire
- Be able to interpret results of a basic economic analysis of adaptation and climate change impacts.
- Motivated and dynamic group of experts able to deliver targeted capacity building programmes at the national and regional level and to facilitate related national training activities
- Practical knowledge on how to implement the training programme in countries. This includes:
 - Roles and responsibilities;
 - Implementation modalities incl. expected deliverables, timelines for delivery, and M&E
 - Clarity on the pedagogic tools to be used;
 - How to coordinate and work together with UNDP National Offices.
- Final additional comments on the LM.

5. Agenda for the 1st WACDEP and NAPs Capacity Building Programme Training of Trainers Workshop

Monday 25 th November 2013 – WACDEP & UNDP-GEF Participants			
Time	Session	Facilitator / Presenter	Objectives
08:00 – 08:30	Registration		Welcoming, meeting objectives and presentation of participants.
08:30 – 09:30	Workshop opening and structure	Co-Chairs: Alex Simalabwi (GWP) and Pradeep Kurukulasuriya (UNDP)	
	Welcoming Remarks from GWP East Africa	Patrick Safari	
	Introductions by WACDEP and UNDP-GEF <ul style="list-style-type: none"> • Overview remarks on the WACDEP and the Training Programme on Economics of Adaptation, Water Security and Climate Resilient Development in Africa • UNDP remarks and linkages to the Global Support Programme on NAPs 	GWP-Alex Simalabwi, Global Coordinator, GWP Water and Climate Programme Senior Advisor –Pradeep Kurukulasuriya, UNDP-GEF	
	Official opening remarks	AMCOW Executive Secretary-Bai Mass Taal	
09:30-10:00	Tea Break		
10:00 – 11:00	WACDEP Capacity Building Programme <ul style="list-style-type: none"> • Objectives, targeted audience, and expected outcomes of WACDEP Capacity Building Programme • The Framework approach; integrating climate adaptation into planning and development; • Brief outline of programme activities and timetable. 	Chair: Patrick Safari	Build a common understanding among participants on the aims and objectives of the WACDEP - Capacity Building Programme and its main components.
		Andrew Takawira	
		Mats Eriksson	
		Klas Sandström	
11:00 – 12:00	UNDEP-CEEPA Training programme	UNDP-CEEPA team	Build a common understanding among participants on the aims and objectives of the UNDP GEF Capacity Building Programme and its main components.
12.00-12.30	Presentation of the NAP process	Pradeep Kurukulasuriya, UNDP-GEF-	
12:30-13:30	Lunch Break		
	Capacity Building – Lecture 1 <ul style="list-style-type: none"> • <i>Introduction – objectives, background, Framework position</i> • IPCC 2013 Update on Climate Change • <i>Plenary discussion</i> 	Chair: Andrew Takawira	Present actual training programme lecture, with its context and general discussion
		Mats Eriksson	

15:00 – 15.30	Tea Break		
15:30 – 17:00	Capacity Building – Lecture 2 <ul style="list-style-type: none"> • <i>Introduction – objectives, background, Framework position</i> • <i>Key Components and Entry Points for Climate Mainstreaming into Development Planning</i> • <i>Plenary discussion</i> 	This is an open time slot still to be finalized.	Present an actual training programme lecture, with its context and general discussion
17 :00	Close of the 1st day		

First parallel workshop - WACDEP invited participants

Tuesday 26 th November 2013 – WACDEP Participants			
Time	Session	Facilitator/ Presenter	Objectives
08 :00-08 :30	Testing a workshop tool – Setting House Rules	Andrew Takawira	Present a workshop tool.
08:30 – 10:00	Phase 7 Implementation <ul style="list-style-type: none"> • Roles and responsibilities. • Progress, activities and linked timetable. • Learning Material and Training Manual. • Pedagogic approach • M&E Followed by plenary discussion.	Chair: Armand Houanye Klas Sandström	Present and discuss a number of training programme building blocks. Provide all present with a shared understanding of the training programme and what it will be like to implement.
10:00-10:30	Tea Break		
10:30-12:30	Presentation of pedagogic tools, objectives and use <ul style="list-style-type: none"> • Workshop tools • On-the-job-training tools • M&E tools Followed by (i) buzz group discussions and (ii) plenary discussion.	Klas Sandström	Present the different types of pedagogic and administrative tools that will be applied in Phase 7 implementation. A particular focus on how to conduct on-the-job-training.
12:30-13:30	Lunch Break		
13:30 – 15:00	Country-based reviews Country-based small group work. Workshop 1 and first on-the-job training period: <ul style="list-style-type: none"> • Review and define NTC & CBT activities <i>before</i> WS 1. Who will do what? • Review WS 1 activities and NTC & CBT roles • Review/discuss how to conduct on the job training 	Klas Sandström and NTCs.	A first opportunity for country teams to review the programme and analyze upcoming tasks as well as get to know each other.
15:00-15:30	Tea Break		
15:30 – 16:15	Continued; plenary discussion on country-based reviews.	Continued	Continued
16.15-17.00	Quality management in training <ul style="list-style-type: none"> • Small buzz group discussions on how to promote quality in training activities and generate motivated participants. Followed by plenary discussion.	Andrew Takawira	A small session providing a focus on quality and how to promote it among all. This also includes how to provide a stimulating and challenging programme to participants, supporting general motivation among all involved.
17:00	Close of the 2nd day		

Wednesday 27th November 2013 – WACDEP Participants

Time	Session	Facilitator/ Presenter	Objectives
08:00-08 :30	Testing a workshop tool – The Rescue Boat	Klas Sandström	Present a workshop tool.
08:30 – 10:10	Capacity Building – Lecture 3 <ul style="list-style-type: none"> • <i>Introduction – objectives, background, Framework position</i> • Define and Assess Vulnerability in Society • <i>Comments and notes / exercices & discussion points</i> • <i>Plenary discussion</i> 	Chair: Andrew Takawira	Present actual training programme lecture, including comments and notes. Plenary discussion and feedback.
		Ben Rabb	
10:10-10:40	Tea Break		
10:40-12:15	Capacity Building – Lecture 4 <ul style="list-style-type: none"> • <i>Introduction – objectives, background, Framework position</i> • Climate resilience good governance • <i>Comments and notes / exercises & discussion points</i> • <i>Plenary discussion</i> 	Mats Eriksson	Present actual training programme lecture, including comments and notes. Plenary discussion and feedback.
12:15-13:15	Lunch Break		
13:15 – 15:00	Capacity Building – Lecture 5 <ul style="list-style-type: none"> • <i>Introduction – objectives, background, Framework position</i> • Making decisions in the face of uncertainty. • <i>Comments and notes / exercises & discussion points</i> • <i>Plenary discussion</i> 	Ben Rabb	Present actual training programme lecture, including comments and notes. Plenary discussion and feedback.
15:00-15:30	Tea Break		
15:30 – 17:00	Capacity Building – Lecture 6 <ul style="list-style-type: none"> • <i>Introduction – objectives, background, Framework position</i> • Identification and valuation of investment returns • <i>Comments and notes / exercises & discussion points</i> • <i>Plenary discussion</i> 	Mats Eriksson	Present actual training programme lecture, including comments and notes. Plenary discussion and feedback.
17:00	Close of the 2nd day		

Thursday 28th November 2013 – WACDEP Participants

Time	Session	Facilitator/ Presenter	Objectives
08:00-08:30	Testing a workshop tool – Where Do I Stand?	Klas Sandström	Test workshop warm-up tool.
08:30 – 10:00	Capacity Building – Lecture 7 <ul style="list-style-type: none"> • <i>Introduction – objectives, background, Framework position</i> • Screen Existing or Planned Investments for Climate Induced Risks • <i>Comments and notes / exercises & discussion points</i> • <i>Plenary discussion</i> 	Chair: Armand Houanye	Present actual training programme lecture, including comments and notes. Plenary discussion and feedback.
		Mr Ben Rabb	
10:00-10:30	Tea Break		
10:30-12:30	Capacity Building – Lecture 8 <ul style="list-style-type: none"> • <i>Introduction – objectives, background, Framework position</i> • Developing financing and investment strategies • <i>Comments and notes / exercises & discussion points</i> • <i>Plenary discussion</i> 	Mr Mats Eriksson	Present actual training programme lecture, including comments and notes. Plenary discussion and feedback.
12:30-13:30	Lunch Break		
13:30 – 15:00	Capacity Building – Lecture 9 <ul style="list-style-type: none"> • <i>Introduction – objectives, background, Framework position</i> • Risk Based Decision Making for Investments • <i>Comments and notes / exercises & discussion points</i> • <i>Plenary discussion</i> 	Mr Ben Rabb	Present actual training programme lecture, including comments and notes. Plenary discussion and feedback.
15:00-15:30	Tea Break		
15:30-17:00	Capacity Building – Lecture 10 <ul style="list-style-type: none"> • <i>Introduction – objectives, background, Framework position</i> • M&E Introduction • <i>Comments and notes / exercises & discussion points</i> • <i>Plenary discussion</i> 	Mr Mats Eriksson	Present actual training programme lecture, including comments and notes. Plenary discussion and feedback.
17:00	Close of the 4th day		

Friday 29th November 2013 – WACDEP Participants

Time	Session	Facilitator/ Presenter		Objectives
08:00 – 08:30	Q & A session	Klas Sandström		Participants learn from applying the Framework planning procedure on a real case. Theory is linked to practice and real, hands-on contexts.
08:30 – 10:00	Testing the Framework A case is presented where a need exists to integrate climate adaptation into national planning and development. <ul style="list-style-type: none"> Group discussions on how to apply the Framework on the presented case. Brief plenary presentation followed by general discussion. Suggestions for programme refinement. 	Chair: Andrew Takawira		
		Klas Sandström		
10:00-10:30	Tea Break			
10:30-11:30	Continued	Continued		Continued
11.30-12.30	Capacity building programme M&E <ul style="list-style-type: none"> Presentation Buss group discussions Plenary discussion 	Klas Sandström and NTCs.		Much attention will be given to assessing how Phase 7 and the actual training proceeds and turn into expected outcomes. This brief session reviews planned internal, project M&E.
12:30-13:30	Lunch Break			
13:30 – 15:00	Phase 7 implementation NTCs only: <ul style="list-style-type: none"> Review programme, roles, CBTeams capacity, and management needs. Way forward – what to address in coming weeks? 	Chair: Armand Houanye		The session is subdivided into two parallel sessions. NTC's focus on practical management issues linked to their tasks, while CBTeams focus on two key aspects of the training: (i) linking theory with practice and (ii) Pan-African lesson learning and cooperation.
		CBTeams only: <ul style="list-style-type: none"> Plan excursions; small group discussions on how to make rewarding excursions, plus brief general discussion. Pan-African learning and experience sharing; what can be achieved, appropriate ways of communication and sharing, and potential benefits. 	Klas Sandström	
15:00-15:30	Tea Break			
15:30 – 16:00	Way forward; review, list and discuss upcoming activities that has to be performed before WS 1 starts.	Klas Sandström		Make all prepared for the start of the training in November.
16:00 – 17:00	Workshop closing session.	Alex Simalabwi, Andrew Takawira, and Patrick Safari		
17.00	Workshop closure			

Second parallel workshop- UNDP- GEF & WACDEP participants

Tuesday 26 th November 2013 – UNDP-GEF & WACDEP Participants			
Time	Session	Facilitator/ Presenter	Objectives
08 :00-08 :30	Training Overview		
08:30 – 10:00	Overview of Climate Change Adaptation Issues <ul style="list-style-type: none"> • Concepts and Elements of Climate Change • Economics of Climate Change Adaptation • Roles and responsibilities in adaptation Followed by plenary discussion.	Chair: Pradeep Kurukulasuriya, (UNDP) Henry Diouf/Jessica Troni (UNDP)	In this session the trainees will be provided an overview of the relevance of the economics of adaptation in the context of the National Adaptation Plan process.
10:00-10:30	Tea Break		
10:30-12:30	Methodology Overview <ul style="list-style-type: none"> • Introduction to Economic Modeling • Economic Valuation of goods and services • Cost-benefit analysis of adaptation projects • Sector-level economic analysis Plenary discussion.	CEEPA	In this session, trainees will be provided an overview of key concepts underpinning the economics of adaptation. Differences between project level cost benefit analysis and sector level economic analysis relating to climate change impacts and adaptation will be discussed.
12:30-13:30	Lunch Break		
13:30 – 15:00	Economic Valuation (cont'd): <ul style="list-style-type: none"> • Timing • Uncertainty • Integrating Climate Predictions into economic models • Examples from African context Discussions	Babatunde Abidoye (CEEPA)	In this session, cross cutting issues pertaining to the economics of adaptation will be discussed. Timing of adaptation, how to manage uncertainty of climate change in economics analysis, how to integrate climate change predictions in economic modelling including examples from sectoral analysis and adaptation choices will be discussed.
15:00-15:30	Tea Break		
15.30-17.00	<ul style="list-style-type: none"> • Starting Point Discussions on how to study adaptation from an economic lense and make it relevant for national and sectoral adaptation plans; • Establishing the scope of programme on capacity building on the economics of adaptation in the context of NAPs 	Pradeep Kurukulasuriya (UNDP)	In this session, a dialogue will take place between UNDP and the participants of how a capacity building programme on the economics of adaptation can be rolled out in the context of support to countries in the context of NAPs as well as ongoing LDCF,SCCF and AF financed adaptation projects. Discussion on what UNDP will provide and what countries will need to provide will be discussed.
17:00	Close of the 2nd day		

Wednesday 27th November 2013 – UNDP-GEF & WACDEP Participants

Time	Session	Facilitator/ Presenter	Objectives
08:00-08 :30	Sectoral Analysis of Climate Change		
08:30 – 10:10	Agriculture <ul style="list-style-type: none"> • <i>Agro-economic method</i> • <i>Cross-Section econometric Models</i> • <i>Inter-temporal methods</i> • <i>Plenary discussion</i> 	Chair: Henry Diouf (UNDP) Pradeep Kurukulasuriya (UNDP)	In this session, economics of adaptation as it relates to the agriculture sector will be presented. Participants will be sensitized to the approaches adopted in estimating the costs/benefits of climate change and adaptation, their advantages and limitations, data requirements, what results can be expected and potential use of analysis that is undertaken.
10:10-10:40	Tea Break		
10:40-12:15	Forestry <ul style="list-style-type: none"> • <i>Introduction</i> • <i>Equilibrium Forest Models</i> • <i>Dynamic Forest Models</i> • <i>Plenary discussion</i> 	CEEPA	This session will first use the Faustmann model to compare forest outcomes in the current climate versus a future climate. The model will also demonstrate how to include carbon sequestration in forest management. We will then move to the Global Timber Model that follows forest stocks over time. The model shows how changing planting, management intensity, and harvesting can all be used as adaptations.
12:15-13:15	Lunch Break		
13:15 – 15:00	Water <ul style="list-style-type: none"> • <i>Introduction</i> • <i>Water and Institutions</i> • <i>Applications</i> • <i>Plenary discussion</i> 	Chair: Jessica Troni (UNDP) CEEPA	The water model will start by showing how climate, hydrology, and economics are linked. An economic model of supply and demand will be introduced to evaluate alternative water allocations. The effect of climate change on both supply and demand will then be explored.
15:00-15:30	Tea Break		
15:30 – 17:00	Practical Session <ul style="list-style-type: none"> • <i>Introduction to STATA</i> 	Babatunde Abidoye (CEEPA)	In this session, participants will be sensitized to the use of econometric software in the analysis of data to examine the economics of climate change and adaptation related costs and benefits.
17:00	Close of the 2nd day		

Thursday 28th November 2013 – UNDP-GEF & WACDEP Participants

Time	Session	Facilitator/ Presenter	Objectives
08:00-08:30	Review	Chair: Henry Diouf (UNDP)	
08:30 – 10:00	<p>Coastal – Sea – level rise</p> <ul style="list-style-type: none"> • <i>Introduction</i> • <i>Plenary discussion</i> <p>Health</p> <ul style="list-style-type: none"> • <i>Introduction</i> • Heat waves and Cold events • Air Pollution • Vector Borne Diseases • Valuing human health <p><i>Plenary discussion</i></p>	<p>Chair:</p> <p>CEEPA</p>	In this session, economics of adaptation as it relates to the coastal sector and health will be presented. Participants will be sensitized to the approaches adopted in estimating the costs/benefits of climate change and adaptation in the context of these two sectors. As with sessions from the previous day, the advantages and limitations of the methods, data requirements, what results can be expected and potential use of analysis that is undertaken.
10:00-10:30	Tea Break		
10:30-12:30	<p>Recreation and Tourism</p> <ul style="list-style-type: none"> • <i>Introduction</i> • <i>Plenary discussion</i> <p>Extreme Weather Events</p> <ul style="list-style-type: none"> • <i>Introduction</i> • <i>Plenary discussion</i> <p>Macroeconomic Assessment</p> <ul style="list-style-type: none"> • <i>Introduction</i> • <i>General Equilibrium models (CGE)</i> • <i>Plenary discussion</i> 	CEEPA	<p>As above, economic methods as it relates to recreation/tourism and extreme methods.</p> <p>In contrast to the Microeconomic approaches in the previous session, this session will focus on macroeconomic approaches as they are relevant for adaptation.</p>
12:30-13:30	Lunch Break		
13:30 – 15:00	<p>Practical Session</p> <ul style="list-style-type: none"> • <i>Measuring impact of climate on agriculture using STATA</i> <p><i>Plenary discussion</i></p>	Babatunde Abidoye (CEEPA)	In this session, participants will be walked through a complete sectoral analysis of the economics of adaptation as it relates to the agriculture sector using farm level data. Participants will be exposed to what is possible with the economic modelling approaches, how climate change scenarios are taken into account, scenario analysis, dealing with uncertainty using statistical techniques, mapping results etc.
15:00-15:30	Tea Break		

15:30-17:00	Country Specific Work Plan Link up with on-going UNDP projects	Pradeep Kurukulasuriya (UNDP)	Discussion with country representatives on a possible action plan for building capacity on the economics of adaptation using the platform of applied research. Discussions will also take place on how to link up to ongoing LDCF/SCCF/AF projects including those focused on national adaptation planning.
17:00	Close of the 4th day		