



WATER, CLIMATE DEVELOPMENT PROGRAMME (WACDEP) TRAINING OF TRAINERS WORKSHOP

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

- Contribution to national adaptation plan Global Support Programme (NAP-GSP)-

VENUE

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25-29 November 2013, Addis Ababa – Ethiopia



1. TOT Workshop objectives

The overall objective of the Training of Trainers (TOT) workshop is to create a common understanding of the GWP/UNDP-GEF joint Capacity Development initiative on the Economics of Adaptation, Water Security and Climate Resilient Development in Africa. The TOT workshop will also review capacity development materials developed to support workshops at country level starting in January 2014.The initiative is part of the African Union and African Ministers Council on Water (AMCOW)'s Water, Climate and Development Programme¹ implemented by Global Water Partnership (GWP) and partners. The WACDEP directly contributes to the objectives of the national adaptation plan Global Support Programme² (NAP-GSP).

The NAP-GSP aims to advance NAPs processes in Least Developed Countries (LDCS) led by UNDP and UNEP in partnership with GWP, UNFCC, WHO, FAO, IFAD, UNITAR and in collaboration with the UNFCCC and the GEF.

The specific objectives of the TOT workshop are to:

- Share information among participants on the GWP-UNDP-GEF WACDEP Capacity Development Initiative on the Economics of Adaptation, Water Security and Climate Resilient Development in Africa.
- Share information on the WACDEP, NAP-GSP and enhance understanding of the National Adaptation Plans (NAPs) process;
- Enhance the technical knowledge of the approaches and methods in the African Union/ AMCOW Framework for Water Security and Climate Resilient Development:
 - How application of the Framework will help users to identify and develop no/low regret investments, and integrate these into national development planning processes
 - Introduce participants to the economics of adaption, water security and climate resilient development
 - Present selected Learning Material lectures and train participants both on their technical content and presentation modalities when rolling out the training at country level
 - Create capacity to share a knowledge about the Framework and its practical application at national, regional and basin levels;
- Generate additional comments on the Learning Material before final update and translations are initiated.

¹ http://www.gwp.org/WACDEP/

² http://undp-alm.org/projects/naps-ldcs



2. Participants and methodology

The ToT workshop will be attended by approx. 80 participants, drawn from GWP WACDEP target countries and regions, WACDEP National Training Coordinators and national Capacity Development Team members, UNDP-GEF LDCF, SCCF and AF financed projects, representatives from AU/ AMCOW, CDKN, GWP, CapNet, SIWI and Acclimatise, and NIRAS

The workshop will consist of two components; the first day (Monday 25 November) and last day (Friday 29 November) will be attended by all participants. The 4 days in between (Tuesday 26th - Thursday 28 November) will be divided into two sessions, one led by GWP focusing on mainstreaming water security and climate resilience into national development plans and one led by UNDP-GEF focusing on the economics of adaptation. The workshop will be interactive and will include thematic lectures, presentations, breakout groups and discussion sessions.

Expected outcomes among participants are:

- A clear understanding of the UNDP-GEF/WACDEP Capacity Development initiative and its linkages to NAP-GSP
- Feedback and comments on the Capacity Development learning materials
- Identification of the necessary information needed to carry out an economic analysis of adaptation options.
- Interpretation of results of a basic economic analysis of adaptation and climate change impacts.
- Practical knowledge on how to implement the training initiative in countries. This includes:
 - o Implementation modalities including roles, expected deliverables, timelines for delivery, and M&E
 - Clarity on the pedagogic tools to be used;
 - How to coordinate and work together with GWP and UNDP country Offices.
- Motivated and dynamic group of experts able to deliver targeted capacity development initiatives at the national and regional level and to facilitate related training activities



3. Draft Agenda-Capacity Development Programme ToT Workshop

Monday 25 November 2013 Economics of Adaptation, Water Security and Climate Resilient Development Session Time **Facilitator / Présenter Objective** 08:00 - 08:30 Armand Houanye (GWP Welcoming, meeting objectives Registration and presentation of participants. 08:30 - 09:30 Workshop opening and structure Co-Chairs: Alex Simalabwi (GWP) and Pradeep Kurukulasuriya (UNDP) Mr. Abiti Getaneh, Chair -GWP-Ethiopia-Director, Minis-Welcome remarks from GWP Ethiopia Chair • try of Water and Energy Ruth Beukman-Head of WACDEP CU Welcome Remarks from WACDEP Africa Condition Unit (CU) Remarks from GWP (HQ) -WACDEP and the Capacity Development Train-Alex Simalabwi. **GWP Global Coordinator- WACDEP** ing Initiative Remarks from UNDP-GEF /HQ)- NAPs Global Support Programme Pradeep Kurukulasuriya, Senior Advisor- UNDP-GEF (NAP-GSP) and the Capacity Development Training Initiative Themba Gumbo-Director, Cap-Net Remarks from UNDP-CapNet Remarks from AMCOW **AMCOW Executive Secretary** Bai Mass Taal Her Excellency Tumusiime Rhoda Key note Address and opening by African Union Official opening of the ToT Peace - African Union Commissioner for Rural Economy and Agriculture Brief outline of programme, ToT objectives, activities and timetable. Klas Sandström Introduce the ToT programme ٠ 09:30-10:00 **Tea Break** 10:00 - 11:00UNDPGEF/GWP- WACDEP Capacity Development Programme and NAP-GSP Chair: Themba Gumbo-(Cap-Net) Build a common understanding • Presentation on WACDEP Andrew Takawira among participants on the aims and objectives of the WACDEP, the NAP-GSP and the Capacity Presentation on NAP-GSP and NAP process Pradeep Kurukulasuriya, • **Development Programme**



Monday 25 November 2013

Economics of Adaptation, Water Security and Climate Resilient Development

Time	Session	Facilitator / Présenter	Objective
11:00 - 12:00	Framework for Water Security and Climate Resilient Development. Mainstream- ing climate resilience and the AU AMCOW Framework	Nigel Walmsley	Introduce the AU/AMCOW Framework-key elements and phases
2.00-12.30	UNDP-GEF Economic of adaption	Babatunde Abidoye (CEEPA)	
12:30-13:30	Lunch Break		
13.30-15.00	 Capacity Development – Lecture 1 Introduction – objectives, background, Framework position Make the Case for Climate Resilience Plenary discussion 	Chair: Henry Diouf (UNDP-GEF) Mats Eriksson	Present actual training Capacity Development programme lec- ture, with its context and general discussion
15:00 - 15.30	Tea Break		
15:30 - 17:00	 The AU/AMCOW Framework Mainstream climate resilience in development planning Introduction What are additional challenges to overcome in achieving climate resilient development? (Buzz 1) What are the opportunities to capitalize on (Buzz 2) What are the entry points for mainstreaming (Buzz 3) Plenary feedback How does the Framework respond to the identified challenges and opportunities? 	Nigel Walmsley Presentation Buzz group work I Buzz group work II Buzz group work III	Review the Framework and its components
17 :00	Close of the 1st day	Armand Houanye	Close and information on Parallel sessions



Parallel workshop 1: Mainstreaming water security and climate resilience into development plans

Tuesday 26 November 2013

Mainstreaming water security and climate resilience into national development plans

Time	Session	Facilitator/ Presenter	Objective
08 :00-08 :30	Testing a workshop tool – Setting House Rules	Andrew Takawira	Present a workshop tool.
08:30 - 10:00	Phase 7 Implementation	Chair: Armand Houanye	Present and discuss a number of
	Roles and responsibilities.	Klas Sandström	training programme development
	Progress, activities and linked timetable.		blocks. Present and discuss a number
	Learning Material and Capacity Development Manual.		of training programme development
	Pedagogic approach		blocks. Provide all present with a
	• M&E		shared understanding of the training
	Followed by plenary discussion.		Capacity Development programme
			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	Klas Sandström	Present the different types of peda-
	Workshop tools		gogic and administrative tools that
	On-the-job-training tools		will be applied in Phase 7 implemen-
	M&E tools		tation. A particular focus on how to
	Followed by (i) buzz group discussions and (ii) plenary discussion.		conduct on-the-job-training.
12:30-13:30	Lunch Break		
13:30 - 15:00	Country-based reviews	Klas Sandström and NTCs.	A first opportunity for country teams
	Country-based small group work. Workshop 1 and first on-the-job training period:		to review the programme and ana-
	• Review and define NTC & CBT activities <i>before</i> WS 1. Who will do what?		lyze upcoming tasks as well as get to
	Review WS 1 activities and NTC & CBT roles		know each other.
45 00 45 00	Review/discuss how to conduct on the job training		
15:00-15:30	Tea Break	Cantinuad	Continued
15:30 - 16:15	Continued; plenary discussion on country-based reviews.	Continued	Continued
16.15-17.00	Quality management in training	Themba Gumbo	Quality assurance in training. This
	Plenary discussion plus small buzz group discussions on how to promote qual- ity in training activities and generate motivated participants		also includes how to provide a stimu- lating and challenging programme to
	ity in training activities and generate motivated participants.Followed by plenary discussion.		participants, supporting general mo-
	Followed by plenary discussion.		tivation among all involved.
17:00	Close of the 2 nd day		



Wednesday 27 November 2013

Mainstreaming water security and climate resilience into national development plans

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 Development – Lecture 2	Chair: Andrew Takawira	Present actual Capacity Development
	 Introduction – objectives, background, Framework position 	Ben Rabb	Programme lecture, including
	Define and Assess Vulnerability in Society		comments and notes. Plenary discus-
	Comments and notes / exercices & discussion points		sion and Feedback.
	Plenary discussion		
10:10-10:40	Tea Break		
10:40-12:15	Capacity Development – Lecture 3	Mats Eriksson	Present actual Capacity Development
	 Introduction – objectives, background, Framework position 		Programme lecture, including
	Understand and Formulate Climate Change Socio-economic Scenarios		comments and notes. Plenary discus-
	Comments and notes / exercises & discussion points		sion and Feedback.
	Plenary discussion		
12:15-13:15	Lunch Break		
13:15 – 15:00	Capacity Development – Lecture 4	Ben Rabb	Present actual Capacity Development
	 Introduction – objectives, background, Framework position 		Programme lecture, including
	• Making decisions in the face of uncertainty.		comments and notes. Plenary discus-
	Comments and notes / exercises & discussion points		sion and Feedback.
	Plenary discussion		
15:00-15:30	Tea Break		
15:30 - 17:00	Capacity Development – Lecture 5	Mats Eriksson	Present actual Capacity Development
	 Introduction – objectives, background, Framework position 		programme lecture, including
	Mainstream Climate Policy in National Planning		comments and notes. Plenary discus-
	Comments and notes / exercises & discussion points		sion and Feedback.
	Plenary discussion		
17:00	Close of the 2 nd day		



Thursday 28 November 2013

Mainstreaming water security and climate resilience into national development plans

Time	Session	Facilitator/ Presenter	Objective
08:00-08:30	Testing a workshop tool – Where Do I Stand?	Klas Sandström	Test workshop warm-up tool.
08:30 - 10:00	Capacity Development – Lecture 6	Chair: Armand Houanye	Present actual Capacity Development
	 Introduction – objectives, background, Framework position 	Mr Ben Rabb	Programme lecture, including comments
	• Screen Existing or Planned Investments for Climate Induced Risks		and notes. Plenary discussion and Feed-
	• Comments and notes / exercices & discussion points		back.
	Plenary discussion		
10:00-10:30	Tea Break		
10:30-12:30	Capacity Development – Lecture 7	Mr Mats Eriksson	Present actual Capacity Development
	 Introduction – objectives, background, Framework position 		Programme lecture, including comments
	• Develop Finance and Investment Strategies		and notes. Plenary discussion and Feed-
	• Comments and notes / exercices & discussion points		back.
	Plenary discussion		
12:30-13:30	Lunch Break		
13:30 - 15:00	Capacity Development – Lecture 8	Mr Ben Rabb	Present actual Capacity, Development
	 Introduction – objectives, background, Framework position 		programme lecture, including comments
	Risk Based Decision Making for Investments		and notes. Plenary discussion and Feed-
	Comments and notes / exercices & discussion points		back.
	Plenary discussion		
15:00-15:30	Tea Break		
15:30-17:00	Capacity Development – Lecture 9	Mr Mats Eriksson	Present actual Capacity Development
	 Introduction – objectives, background, Framework position 		programme lecture, including comments
	M&E Theory and Application		and notes. Plenary discussion and
	Comments and notes / exercices & discussion points		Feedback.
	Plenary discussion		
17:00	Close of the 4 th day		



Second parallel workshop- Economics of climate change adaptation

Tuesday 26 November 2013 - Economics of climate change adaptation			
Time	Session	Facilitator/ Presenter	Objectives
08 :00-08 :30 08:30 - 10:00	Training Overview Overview of Climate Change Adaptation Issues • Concepts and Elements of Climate Change • Economics of Climate Change Adaptation • Roles and responsibilities in adaptation Followed by plenary discussion.	Chair: Pradeep Kurukulasuriya 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 Adapta- tion Plan process.
10:00-10:30	Tea Break		
10:30-12:30	 Methodology Overview Introduction to Economic Modeling Economic Valuation of goods and services Cost-benefit analysis of adaptation projects Sector-level economic analysis Plenary discussion. 	Babatunde Abidoye and Rashid Hassan (CEEPA)	In this session, trainees will be provided an over- view of key concepts underpinning the econom- ics of adaptation. Differences between project level cost benefit analysis and sector level eco- nomic analysis relating to climate change impacts and adaptation will be discussed.
12:30-13:30	Lunch Break		
13:30 – 15:00	 Economic Valuation: 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 anal- ysis and adaptation choices will be discussed.
15:00-15:30	Tea Break		
15.30-17.00	 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 development on the economics of adaptation in the context of NAPs 	Pradeep Kurukulasuriya (UNDP)	a dialogue on how a capacity development pro- gramme 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 2 nd day		



Wednesday 27 November 2013- Economics of climate change adaptation

Wednesday 27 November 2013- Economics of climate change adaptation			
Time	Session	Facilitation/ Presenter	Objective
08:00-08 :30 08:30 – 10:10	Sectoral Analysis of Climate Change Agriculture • Agro-economic method • Cross-Section econometric Models • Inter-temproral methods • Plenary discussion	Chair: Henry Diouf (UNDP) Pradeep Kurukulasuriya (UNDP)	In this session, economics of adaptation as it re- lates to the agriculture sector will be presented. Participants will be sensitized to the approaches adopted in estimating the costs/benefits of cli- mate 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 Introduction Equilibrium Forest Models Dynamic Forest Models Plenary discussion 	Babatunde Abidoye and Rashid Hassan (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 sequestra- tion 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 Introduction Water and Institutions Applications Plenary discussion 	Chair: Jessica Troni (UNDP) Babatunde Abidoye Rashid Hassan (CEEPA)	The water model will start by showing how cli- mate, hydrology, and economics are linked. An economic model of supply and demand will be introduced to evaluate alternative water alloca- tions. The effect of climate change on both sup- ply and demand will then be explored.
15:00-15:30	Tea Break		
15:30 – 17:00	 Practical Session Introduction to STATA 	Babatunde Abidoye (CEEPA)	Participants will be sensitized to the use of econ- ometric software in the analysis of data to examine the economics of adaptation
17:00	Close of the 2 nd day	Babatunde Abidoye	



Thursday 28 November 2013-Economics of climate change adaptation

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Time	Session	Facilitator/ Presenter	Objective
08:00-08:30	Sectoral Analysis of Climate Change	Chair: Henry Diouf (UNDP)	In this session, economics of adaptation as it re-
08:30 - 10:00	Coastal – Sea – level rise		lates to the coastal sector and health will be pre-
	Introduction and Plenary discussion	Babatunde Abidoye (CEEPA)	sented. Participants will be sensitized to the ap-
	Health		proaches adopted in estimating the costs/bene-
	Introduction	Rashid Hassan (CEEPA)	fits of climate change and adaptation in the con-
	Heat waves and Cold events		text of these two sectors. As with sessions from
	Air Pollution		the previous day, the advantages and limitations
	Vector Borne Diseases		of the methods, data requirements, what results
	Valuing human health		can be expected and potential use of analysis
	Plenary discussion		that is undertaken.
10:00-10:30	Tea Break		
10:30-12:30	Recreation and Tourism		As above, economic methods as it relates to rec-
	Introduction and Plenary discussion	Babatunde Abidoye (CEEPA)	reation/tourism and extreme methods.
	Extreme Weather Events		
	Introduction and Plenary discussion	Rashid Hassan (CEEPA)	In contrast to the Microeconomic approaches in
	Macroeconomic Assessment		the previous session, this session will focus on
	Introduction		macroeconomic approaches as they are relevant
	General Equilibrium models (CGE)		for adaptation.
	Plenary discussion		
12:30-13:30	Lunch Break		
13:30 - 15:00	Practical Session		Complete sectoral analysis of the economics of
	Measuring impact of climate on agriculture using STATA	Babatunde Abidoye (CEEPA)	adaptation as it relates to the agriculture sector
	Plenary discussion		using farm level data. economic modelling ap-
			proaches, scenario analysis, dealing with uncer-
			tainty using statistical techniques, mapping
15:00-15:30	Tea Break		
15:30-17:00	Country Specific Work Plan	Pradeep Kurukulasuriya (UNDP)	Discussion with country representatives on a pos-
	Link up with on-going UNDP projects and GWP WACDEP projects		sible action plan for development capacity on the
		Alex Simalabwi (GWP)	economics of adaptation using the platform of
			applied research. how to link up to ongoing
			LDCF/SCCF/AF projects and NAPs
17:00	Close of the 4 th day	Pradeep Kurukulasuriya	Closing remarks



Friday 29 November 2013

Economics of Adaptation, Water Security and Climate Resilient Development

Time	Session	Facilitator/ Presenter	Objective
08:00 - 08:30	Recap of key issues covered in Parallel sessions	Klas Sandström	Participants learn from applying the Framewo
		Pradeep Kurukulasuriya	planning procedure on a real case. Theory is
08:30 - 10:00	Testing the Framework	Chair: Andrew Takawira	linked to practice and real, hands-on contexts.
	A case is presented where a need exists to integrate climate adapta-	Klas Sandström	
	tion into national planning and development.		
	Group exercise on an application of a Framework		
	Brief plenary presentation followed by general discussion. Sugges-		
	tions for programme refinement.		
10:00-10:30	Tea Break		
10:30-11:30	Continued	Continued	Continued
11.30-12.30	Internal capacity development programme M&E	Klas Sandström and NTCs.	Much attention will be given to assessing how
	Presentation		Phase 7 and the actual Capacity Development
	Buss group discussions		Programme proceeds and turn into expected
	Plenary discussion		outcomes. This brief session reviews planned
			internal, project M&E.
12:30-13:30	Lunch Break		
13:30 - 15:00	Phase 7 implementation	Chair: Armand Houanye	
	NTCs only: CBTeams only:	Klas Sandström and Armand	The session is subdivided into two parallel ses-
	Review programme, Plan excursions; small group discus-	Houanye	sions. NTC's focus on practical management is-
	roles, CBTeams ca- sions on how to make excursions		sues linked to their tasks, while CBTeams focus
	pacity, and manage- • Pan-African learning and experience		on two key aspects of the training: (i) linking
	ment needs. Way sharing; communication, what can be		theory with practice and (ii) Pan-African lesson
	forward achieved		learning and cooperation.
15:00-15:30	Tea Break	· · · ·	
15:30 – 16:00	Way forward; review, list and discuss upcoming activities that has to	Klas Sandström	Make all prepared for the start of the training
	be performed before WS 1 starts.		Capacity Development Programme in Countries
16:00 - 17:00	Next steps: UNDP and GWP Collaboration at regional and country level	Alex Simalabwi	Common vision on GWP/UNDP collaboration in
		Pradeep Kurukulasuriya	implementation of capacity development
17.00	Workshop closure	Alex Simalabwi	Closing remarks

