



International Partnership
on Mitigation and MRV

Concept Note for a Technical Training on National GHG inventories and Developing GHG Reporting Programs

Windhoek, Namibia, March 24-27, 2015

Introduction

The [International Partnership on Mitigation and MRV](#) considers itself to be a knowledge broker between the international climate negotiations and national actions on climate change. The overall aim of the Partnership is to support practical exchange on mitigation-related activities and MRV between developing and developed countries in order to help close the global ambition gap. The Partnership seeks to work with various partners in regional groups in order to generate added value for the negotiations at global level as well as from the negotiations concerning practical implementation at regional, national and sub-national level.

Background of the African Regional Group

Partnership activities in the [African Regional Group](#) embarked on vivid regional cooperation and peer-to-peer activities on MRV systems. The starting point was a [workshop held in South Africa in in May 2013](#) at the invitation of the Government of South Africa, where policy-makers from eight African countries discussed respective strengths and challenges in their national reporting systems and shared their experiences within the Regional Group. During the workshop, members of the African Regional Group expressed their strong interest to continue collaborating in the group and agreed on certain joint activities. Based on this demand, the Partnership organized subsequent webinars institutional arrangements for MRV and legal [frameworks for MRV systems](#).

The second [African Regional Workshop peer-to-peer-exchange on Biennial Update Reports \(BURs\)](#) took place in Berlin in October 2014, with participants from Egypt, Ghana, Kenya, Malawi, Mozambique, Namibia, Nigeria, South Africa, Swaziland, Zambia and Zimbabwe. The workshop equipped the participating countries with relevant information and approaches for their upcoming Biennial Update Reports (BURs), its preparation process, the latest MRV system developments, and related institutional arrangements among the African region.



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Rationale

One of the outcomes of the regional workshop in Berlin was that more capacity building on the compilation of national greenhouse gas inventories is needed. To meet this demand the International Partnership on Mitigation and MRV together with the Ministry of Environment and Tourism [Namibia](#), who was the [first developing country to submit its Biennial Update Reports](#), will organize a hands-on training on national GHG inventories. The training is to help inventory compilers going beyond the Revised 1996 IPCC Guidelines, specifically to encourage the use of the 2006 IPCC Guidelines and IPCC Inventory Software, in compilation of national GHG inventories.

Furthermore, in collaboration with the World Resource Institute (WRI), the International Partnership on Mitigation and MRV offers an one-day training on “Developing GHG Reporting Programs” on March 27. This workshop will aim to help participants achieve a better understanding of a GHG reporting program and will show some of the objectives that it can serve. Further it highlights the importance of stakeholder engagement during program development and implementation, and discusses program design elements and how to ensure a program remains effective over time. For the preparation of the workshop, the Partnership in cooperation with the World Resource Institute recommends you to join a **webinar on Designing Greenhouse Gas (GHG) Reporting Programs**. Please register [here](#) for the webinar and see more information [here](#).

Host

- [Ministry of Environment and Tourism Namibia](#)
- [International Partnership on Mitigation and MRV \(IPMM\)](#)

Trainers

- [Technical Support unit for the IPCC Task Force on National Greenhouse Gas Inventories \(24-26 March, 2015\)](#)
- [World Resources Institute \(27 March, 2015\)](#)



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DAY 1: Tuesday, March 24		
TIME	SUBJECT	SPEAKER
08:30	Departure from Hotel to the Venue The bus will wait in front of the hotel	
09:00	Registration	
09:30	Welcome note Introduction <ul style="list-style-type: none"> Objective of the meeting Presentation of agenda Presentation of participants 	Ministry of Environment and Tourism Namibia Reagan Chunga International Partnership on Mitigation and MRV Sven Egbers IPCC Trainer Baassansuren Jamsranvaj, Maya Fukuda, Kiyoto Tanabe, Sekai Ngarize, Pavel Shermanau
10:00	Overview <ul style="list-style-type: none"> National GHG Inventories: scope and general principles Development of the 2006 IPCC Guidelines and relationship to earlier IPCC Guidelines 	IPCC Trainer
11:15	Coffee Break	
11:30	Guidance on good practice elements <ul style="list-style-type: none"> Approaches do data collection Uncertainty analysis Methodological choice and key category analysis Good practice example from Namibia on data archiving Lessons Learnt from Namibia: preparation of the biennial update report (BUR) 	IPCC Trainer Namibia Reagan Chunga, Ministry of Environment and Tourism Namibia
13:00	Lunch	
14:00	Guidance on good practice elements <ul style="list-style-type: none"> Time series consistency QA/QC and documentation South Africa: Lessons Learnt on documentation and approaches to data collection Discussion IPCC Tools <ul style="list-style-type: none"> Emission Factor Database (EFDB) 	IPCC Trainer South Africa Lungile Manzini, Department of Environmental Affairs, South Africa



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	<ul style="list-style-type: none"> • Inventory Software 	
17:30	End of day 1 and wrap-up	IPCC Trainer
19:00	Welcome Cocktail Dinner at the “Windhoek Country Club Resort”	

DAY 2: Wednesday, March 25		
TIME	SUBJECT	SPEAKER
08:30	Departure from Hotel to the Venue The bus will wait in front of the hotel	
	Both groups will: <ul style="list-style-type: none"> • Review the methods used and work through examples • Provide hands-on training on the software • Provide time for discussion • Q&A • Consider potential issues for consideration by the TFI • Consider ideas for potential improvement and development of the software 	
	Group 1: Energy, IPPU & Waste	Group 2: AFOLU
09:00	Energy <ul style="list-style-type: none"> • Fuel Combustion • Reference Approach • Fugitive Emissions IPPU <ul style="list-style-type: none"> • Types of Sources • Cement Industry • Iron & Steel Industry • F-gases Waste <ul style="list-style-type: none"> • Waste Data • Solid Waste Disposal and Treatment • Wastewater Treatment 	AFOLU <ul style="list-style-type: none"> • Livestock • Land • Aggregate Sources and Non-CO2 • Emission Sources on Land
12:00	Lunch	
13:00	Energy <ul style="list-style-type: none"> • Fuel Combustion 	AFOLU <ul style="list-style-type: none"> • Livestock



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	<ul style="list-style-type: none"> Reference Approach Fugitive Emissions <p>IPPU</p> <ul style="list-style-type: none"> Types of Sources Cement Industry Iron & Steel Industry F-gases <p>Waste</p> <ul style="list-style-type: none"> Waste Data Solid Waste Disposal and Treatment Wastewater Treatment 	<ul style="list-style-type: none"> Land Aggregate Sources and Non-CO2 Emission Sources on Land 	
17:30	End of day 2 and wrap-up		IPCC Trainer
19:00	Dinner at the “Windhoek Country Club Resort”		

DAY 3: Thursday, March 26		
TIME	SUBJECT	SPEAKER
08:30	Departure from Hotel to the Venue The bus will wait in front of the hotel	
09:00	Hands-on training <ul style="list-style-type: none"> Time series consistency Hands-on training on the IPCC Inventory Software <ul style="list-style-type: none"> Simulation exercise on inventory compilation Key category analysis / Uncertainty analysis Reporting tables	IPCC Trainer
12:00	Wrap-up and feedback on the training	IPCC Trainer
13:00	Lunch	
14:00	City Tour Windhoek Panoramic view of the city (Tintenpalast, Christuskirche and the Alte Feste). A visit to the traditional market, funky town and the old location.	
17:30	End of city tour and return to the hotel	
19:00	Dinner at the “Windhoek Country Club Resort”	

Note: Coffee break will be at 10:30 and 14.30 on Day 2 and at 10:30 on Day 3.



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DAY 4: Friday, March 27

This workshop will aim to help participants achieve a better understanding of:

- What is a GHG reporting program, and what are some of the objectives that it can serve
- What kind of elements can provide a strong foundation for reporting programs
- The importance of stakeholder engagement during program development and implementation
- Program design elements and factors that can influence design-related decisions
- How to ensure a program remains effective over time



WORLD
RESOURCES
INSTITUTE

	Topic	Presenter
9:00 – 9.15	<u>Introduction</u> <ul style="list-style-type: none"> • Introduction to GHG reporting programs 	Neelam Singh World Resources Institute
9.15 – 10.15	<u>Determining program objectives</u> <ul style="list-style-type: none"> • Inform the analysis of emissions mitigation opportunities • Support GHG emissions trading/carbon tax • Improve data quality and consistency • Provide information to stakeholders • Inform national inventories • Help reporting entities identify cost and fuel savings opportunities <p>Practical Exercise – 45min Discuss program objectives for a reporting program for your jurisdiction</p>	Neelam Singh World Resources Institute
10.15 - 11.15	<u>Creating an enabling environment: Experiences from South Africa</u> <ul style="list-style-type: none"> • The process followed in terms of capacity building, stakeholder engagement as well as establishing the legal basis for the country’s mandatory reporting program 	Jongikhaya Witi, Department of Environmental Affairs, South Africa
11.15 – 11.30	Break	
11:30 – 13.00	<u>Determining program structure and requirements: Program Coverage</u> <ul style="list-style-type: none"> • Defining the reporting entity and scopes of emissions to be covered 	Neelam Singh World Resources Institute



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	<ul style="list-style-type: none"> Defining applicability requirements to determine which entities should report Identifying GHGs to report <p>Practical exercise – 45min Determine program coverage for a reporting program for your jurisdiction</p>	
13.00 - 14.00	Lunch	
14.00 - 14.45	<p><u>Determining program structure and requirements: Emissions Quantification</u></p> <ul style="list-style-type: none"> Various quantification methods Programs’ role in providing detailed quantification guidance 	Neelam Singh World Resources Institute
14.45 - 15.45	<p><u>Determining program structure and requirements: Quality control and quality assurance</u></p> <ul style="list-style-type: none"> Types of quality control measures programs can adopt Quality assurance methods – self-certification, regulatory authority review, and third party verification Enforcement Program review 	Neelam Singh World Resources Institute
	<p>Conclusion and discussion</p> <ul style="list-style-type: none"> Where to begin 	
15.45 - 16.00	Break	
16.00 - 17.30	<p>Outlook and agreement on next steps</p> <ul style="list-style-type: none"> What needs require support, what needs can be addressed by the countries themselves? How can the Partnership support capacity building needs in the future? <p>Elaboration of work plans in break out groups</p>	Sven Egbers, International Partnership on Mitigation and MRV Jongikhaya Witi, Department of Environmental Affairs, South Africa
7:00 pm	Farewell Dinner at the “Xwama” (Cnr Omongostreet and Independent Avenue)	