



THE REGIONAL ENVIRONMENTAL CENTER
for Central and Eastern Europe

UNITED NATIONS DEVELOPMENT PROGRAMME
GLOBAL ENVIRONMENT FACILITY



**Project Capacity Building for Improving GHG Inventories
Fourth Regional Workshop**

(PEER) REVIEW OF NATIONAL INVENTORIES AND UNCERTAINTY MANAGEMENT

**Hotel Primavera, Tbilisi, Georgia
October 24-25, 2005**

Agenda

Objectives

This is the fifth workshop under regional project RER/01/G31. The workshop will serve as a useful forum for information exchange within the region and assist countries in improving the quality of their national inventories. The workshop will provide an opportunity to exchange information, present achieved results and profit from experience of Annex I countries. The workshop also seeks to build the capacity of national inventory experts. The main goal of the workshop is to assist countries in completing immediate objectives of the project. The main objectives are to continue with training on implementation of Good Practice elements in National GHG Inventory Systems, particularly:

1. (Peer) review of national inventories
2. Presentation of countries' progress and discussions on:
 - a. Improvement of emission factors and/or activity data in project key sources and Implementation of Good Practice elements into national inventories;
 - b. Documentation of Inventories (Manuals, Archiving)
 - c. Developing LT-ST Strategy Programs including QA/QC plans
 - d. Key source analyses, Uncertainty assessment (update)
3. Identify potential obstacles in project performance and countries needs for assistance to ensure that all countries can successfully complete all deliverables in line with project document

Monday, October 24, 2005

9:00 - 9:30 Registration

9:30 - 10:30 PLENARY - OPENING SESSION

Deputy Minister Zaal Lomtadze, Georgia Ministry of Ecology and Natural Resources Welcome to Tbilisi
 9:45 *K. Mareckova, UNPD* Summary of main objectives and outputs of the project
 Goals and outputs of the workshop, review of agenda
 Questions (5 min)

10:00 *O.Schwank, Switzerland* Introduction to project mid-term review

Questions
 10:15 *M. Desai, USA* US EPA Regional project in Central America
 Questions (5 min)

10:45 -11:00 Coffee break

11:00 – 12: 30 Plenary session I: Update of Key source analyses, Uncertainty management
Objective 3. Implementation of Good practice, Activity 3.2.1 Key sources identified 3.2.2 Comparison of key-source specific assessments, 4.2.6. Prioritise emission factors for

improvement using key source assessment and tools such as sensitivity analyses

11:15 – 11:30	<i>M.Tichy, Czech Rep.</i>	<i>Chair: M.Tichy</i> Key source analysis and uncertainty management
11:30-12:45		Questions
	<i>Moldova, M.Taranu</i>	<i>Country presentations</i> Key source assessment update in the Republic of Moldova's GHG Inventory for 1990-2002 period
	<i>Albania, M.Fida</i>	Improving the inventory. Approach to filling the gaps and assessment of uncertainty level
	<i>Georgia, Medea Inashvili</i>	Problems in uncertainty management in Georgian National GHG Inventory and ways to solve them
	<i>Armenia, A. Marjanyan</i>	Armenia: CH ₄ Emissions from SWDSs 1979-2005. Sources of uncertainty and uncertainty management
		Roundtable discussion
	<i>M.Tichy, Czech Rep.</i>	Wrap up

12:30 - 13:30

Lunch

Plenary session II: LT-ST National Inventory Strategies and QA/QC Programs to Improve the Quality of GHG Inventories

13:30 - 15:30

- How to finalize short/long-term strategy to improve data collection in project key sectors
- How to finalize QA/QC plan
- Summary of Key issues, Reporting formats

Activity 2.1.1: Development of long-term in-country programme to sustain the inventory

Activity 3.2.5: Prepare quality assurance and quality control plan

		<i>Chair: Nataliya Parasyuk</i>
		<i>Countries 4-5</i>
	<i>Macedonia, N. Markovska</i>	QA/QC Procedures to Improve the Quality of GHG Inventories - Macedonian case
	<i>Turkmenistan, Ovezberdyeva A</i>	<i>National Inventory Strategy and QA/QC activity",</i>
	<i>Tajikistan, Karimov U.</i>	<i>LT-ST strategy GHG improvement of Tajikistan</i>
	<i>Croatia, Z.Juric</i>	Developing LT-ST strategies
	<i>Uzbekistan, O. Agafonova</i>	ST-LT Strategy for improving inventory and QA/QC plan
		Discussion
	<i>N. Parasyuk, Ukraine</i>	Completing Strategies and QA/QC plans, Summary of findings
		Questions
	<i>N.Parasyuk, Ukraine</i>	Wrap up

15:30 – 16:00

Coffee break

Plenary session III: National Manuals of Procedures and Documentation of the National Inventory System – Archiving of Results

16:00 - 18:00

- How to finalise national Manuals
 - Establishing archiving systems
 - Summary of Key issues, Reporting formats
- Immediate Objective 1: Strengthened institutional arrangements for compiling, archiving, updating and managing GHG inventories*
- Immediate Objective (IO) 2: Sustainable Inventory process created*
- IO3: Enhanced technical capacity for preparing national inventories*
- Output 1.3: Inventory system documented and described.*
- Activity 1.3.5: Elaborate national manual of procedures*

		<i>Chair: M.Tichy</i>
		<i>Country presentations 4-5</i>
	<i>Tajikistan, Karimov U.</i>	Manual of Procedure of Tajikistan
	<i>Turkmenistan G.Allaberdyev,</i>	"National Manual of procedures GHG Inventory"
	<i>Armenia, M. Tsarukyan</i>	National Manual of procedures for inventory preparation: Recent developments in Armenia
	<i>Mongolia, B.Bujidmaa</i>	National Manual of procedure of Mongolia - Energy sector
	<i>Croatia, A.Hublin</i>	Documentation of GHG inventories in Waste sector

		Discussion
	<i>M.Tichy, Czech Rep.</i>	National Manuals of Procedures and Documentation of the National Inventory System – Archiving of Results
		Questions
	<i>M.Tichy, Czech Rep.</i>	Wrap up
18:30 – 21:00		Welcome reception

Tuesday, October 25, 2005

Parallel session A: Improvement of National Inventories

Energy; Mobile sources, (Fugitive emissions)

- regional methods, improved EFs

Output 1.1: Data collection strategies improved

Output 1.2: Data gaps reduced

9:00 - 13:00

Activity 3.2.3: Identify appropriate methods using GPG decision trees

Immediate Objective 4: Improved methodologies and EFs

(Peer) review of National Inventories,

Interactive session - review of countries key source inventories

Activity 1.4.5 Establish in-country technical peer review mechanism.

IO4 Improved methodologies and Efs

Chair: Nataliya Parasiuk

9:00 – 11:00

Country presentations 4-5

*Mongolia,
B.Bujidmaa*

Recalculation and review of national inventory , Mongolia

Macedonia,

Improvement of GHG Inventory for the Energy sector

M. Todorovski:

New activity data in the Aviation Sector.

Tajikistan,

Improved emission factors and activity data in key source category
“Fugitive methane emissions from gas operation”

Varnavskaya E

Uzbekistan,

O.Agafonova

M. Gasperic ,

Slovenia

Improvements in energy sector

Discussion

11:00-11:30

Coffee break

11:30 -13:00

Interactive session – review of inventories

N.Parasyuk

Approaches/experiences reviewing energy sector

Questions

Countries experience

Example review

Discussion (10-20 mins)

Wrap -up

Parallel session B: Improvement of National Inventories

Agriculture – Enteric Fermentation and Waste - landfills:

Output 1.1: Data collection strategies improved

Output 1.2: Data gaps reduced

9:00 - 13:00

Activity 3.2.3: Identify appropriate methods using GPG decision trees

Immediate Objective 4: Improved methodologies and EFs

(Peer) review of National Inventories,

Interactive session - review of countries key source inventories

Activity 1.4.5 Establish in-country technical peer review mechanism.

IO4 Improved methodologies and EFs

Chair: M Steineman

9:00-10:30

Countries presentations 4-5

Moldova, T.Tugui

Improvement of EFs and AD in the Solid Waste Disposal on Land
national key source and implementation of good practice elements into the
Republic of Moldova’s GHG Inventory

Armenia,

Improvement of methods and EFs in Waste sector Armenia

	<i>A. Marjanyan</i> <i>Mongolia,</i> <i>R.Tungalag</i> <i>Georgia, G.</i> <i>Lazriev</i> <i>T.Mekinda,</i> <i>Slovenia</i>	Improving methane emission inventory from Waste sector in Mongolia Methodology to estimate methane emissions from sub-category "Enteric fermentation from cattle The methane emissions from manure management for swine in Slovenia
10:30-11:00	<i>M. Steinemann,</i> <i>Switzerland</i>	Discussion (20 mins) Coffee break Improvements of national inventories and review in agriculture and waste, Summary of findings Interactive session – review of inventories Discussion (10-20 mins)
	<i>M. Steinemann,</i> <i>Switzerland</i>	Wrap -up
13:00 - 14:00		Lunch
14:00- 16:00		PLENARY - CLOSING session Objective: To ensure that all experts have clear picture what type of products have to be delivered, in which format and when. Where obstacles identified – propose solutions based on experience in region Discuss countries needs for assistance to ensure that all countries can successfully complete all deliverables in line with project document and in agreed formats <i>IO1 Strengthened institutional arrangements for compiling, archiving, updating and managing GHG inventories</i> <i>IO2 Sustainable Inventory process created</i> <i>IO3 Enhanced technical capacity for preparing national inventories</i> <i>IO4 Improved methodologies and EFs</i>
10m	<i>M.Perdomo, NCSP</i>	<i>Chair:</i> <i>SNC program, support to the countries</i> Questions Reports to the plenary WG (Mobile&Fugitives, Waste&Agro) <i>Questions, Discussion</i>
14:30 – 15:00	<i>Countries round table</i> <i>K. Mareckova</i>	Country Key products, technical assistance needs, <i>Reporting formats for final products</i> , Sustainable inventory teams Project performance before October 2005, expected post project situation, updated time schedule for project Key products Questions and comments
15:00 - 15:30	<i>K. Mareckova</i>	<i>Round table</i> Conclusions, Wrap-up Closing of the workshop
15:30 - 16:00		<i>Coffee</i>
16:00 - 17:00		<i>Meeting of resource team (tentative)</i>