



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**

**DEVELOPMENT AND IMPROVEMENT OF EMISSION FACTORS, STRATEGIES AND  
DOCUMENTATION**

**Hotel Jolly Alon, Chisinau, Moldova  
April 20-22, 2005**

*Agenda*

**Objectives**

This is the fourth 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 objectives of the workshop are to:

1. To provide training on implementation of Good Practice elements in National GHG Inventory Systems.
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. Drafting National Manuals of Procedures
  - c. Developing LT-ST Strategy Programs
  - d. Developing QA/QC Programs
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
4. Conduct discussion panel on peer review of National Inventories;
5. Follow up with progress on developing stakeholder awareness campaign

**Wednesday, April 20, 2005**

**8:30 - 9:00 Participant Registration**

**9:00 - 10:30 OPENING SESSION**

<i>K. Mareckova, UNDP- GEF Project Manager</i>	Opening
<i>Vice Minister Mr. Ilie Boian, Moldova</i>	Ministry of Ecology and Natural Resources Welcome to Chisinau
<i>UN Resident Representative Mr. Bruno Pouezat</i>	Opening address
<i>K. Mareckova</i>	Goals and outputs of the workshop, review of agenda Summary of main objectives and outputs of the project
<i>R.. Carman Australia</i>	Short Summary from questionnaires "Review of country progress"
	<i>Questions</i>

*Dominique Revet,  
UNFCCC secretariat*

The CGE hands-on training on GHG inventories

Questions (5 min)

*R. Carman  
Australia*

UNDP Handbook “Managing the National GHG Inventory Process”

Questions (5 min)

**10:30-11:00**

**Coffee break**

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

**11:00 - 13:00**

*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*

Chair: K.Mareckova, M.Tichy

**11:00 - 11:20**

*M. Tichy,  
Czech Rep.*

Preparing a National Manual of Procedures (20 mins)

Questions (20 mins)

**11:20-13:00**

*Country presentations*

*D.Dagvadorj,  
Mongolia*

Drafting National Manual of Procedures for GHG Inventories”

*Moldova, M. Ţăranu*

Republic of Moldova: “Manual of Procedures for National GHG Inventories” - progress

*N. Markovska,  
Macedonia*

“Manual of procedures for preparation of the national GHG Inventory”.

*O.Agafonova,  
Uzbekistan*

System of documentation and archiving

*M. Mehtyev,  
Azerbaijan*

GHG sustainable inventory development practice in Azerbaijan.

*A.Pasoyan, Armenia*

Progress on preparation of “Manual of Procedures for National GHG Inventories”-Armenia

*B.Isلامي, Albania*

Documentation (manual of procedures) and Archiving exercise in Albania

Discussion (10 mins)

**13:00 - 14:00**

**Lunch**

**Plenary session II: Awareness Raising Strategy Program**

**14:00 – 18: 00**

*Immediate Objective 1: Strengthened institutional arrangements for compiling, archiving, updating and managing GHG inventories*

*Chair: Ivan Mojik, Rebecca Carman*

**14:00 -15:00**

*I. Mojik,  
Slovak Rep.*

Awareness raising strategy program (20 mins )- update

Countries – 3 min each

Questions and Discussion (30 mins)

**15:00-15:30**

*P. Antonov  
Bulgaria*

Work with media - What can we achieve through mass media

Questions (10 mins)

**15:30 – 16:00**

**Coffee break**

**16:00-16:30**

*P. Antonov  
Bulgaria*

Work with media – Tips for working with media

**16:30-17:30**

*Countries  
Mojik, Antonov*

-Interactive session

Wrap-up

**19:00 – 21: 00**

Welcome reception

### Thursday, April 21, 2005

#### **parallel session A Work group A: Improvement of National Inventories**

##### **Energy; Mobile sources , (Fugitive emissions)**

**9:00 - 13:00**

*Output 1.1: Data collection strategies improved*

*Output 1.2: Data gaps reduced*

*Activity 3.2.3: Identify appropriate methods using GPG decision trees*

*Immediate Objective 4: Improved methodologies and EFs*

*Chair: Tim Simmons*

9:00 – 11:00

*Tim Simmons, UK*

Energy

Questions (10 mins)

*E.Bicova, Moldova*

“Implementation of good practice elements into Republic of Moldova’s Inventory of GHG emissions from mobile sources”, up to 10 minutes

*M.Gasperic, Slovenia*

National CO2 emission factor for Slovenian lignite

*B.Namkhainyam, Mongolia*

“Improvement of emission estimates from mobile sources in Mongolia”

*Azerbaijan*

Improvement of GHG Inventory in transport sector.

*Uzbekistan*

Developed Methane Emission Factors from Gas Main Pipeline Transportation

*Azerbaijan*

“Improvement of fugitive EF in household and industrial sectors”

Discussion (10- 20 mins)

11:00-11:30

*Coffee break*

**11:30- 13:00**

#### **COPERT training session & discussion forum**

*Facilitator*

*Z. Juric*

*Z.Juric, Croatia*

Demonstration of COPERT software, Methodology guidance, and User’s manual

*M.Gasperic, Slovenia*

Slovenian experience with COPERT

*Countries*

experience

Questions and Discussion

Discussion (10-20 mins)

**Wrap -up**

#### **parallel session B WG B : Improvement of National Inventories**

##### **Agriculture – Enteric Fermentation, Waste - landfills:**

**9:00 - 13:00**

*Output 1.1: Data collection strategies improved*

*Output 1.2: Data gaps reduced*

*Activity 3.2.3: Identify appropriate methods using GPG decision trees*

*Immediate Objective 4: Improved methodologies and EFs*

*Chair: M Steineman*

9:00 – 9:20

*M. Steinemann, Switzerland*

Agriculture (15 mins)

Questions (5 mins)

*Countries presentations*

9:20-10:30

*A. Pasoyan, Armenia*

Improvement of National Inventories

*U.Karimov*

Agriculture – Enteric Fermentation

*Tajikistan*

Our experience of implementation elements of GPG to GHG inventory in the Agriculture Sector"

*Grigol Lazriev*

1990 GHG Inventory: Progress in Agriculture and Waste

*T.Mekinda, Slovenia*

Improving CH4 emission factor from enteric fermentation

Discussion (20 mins)

**10:30-11:00**

**Coffee break**

11:00-11:20	<i>M. Steinemann/ Switzerland</i>	Waste (15 mins) Questions (5 mins) Countries presentations
11:20-13:00	<i>T. Tugui, Moldova A.Hublin, Croatia  D.Dagvadorj, J.Dorjpurev and B.Namkhainyam Mongolia U.Karimov Tajikistan</i>	“Methane emissions from solid waste disposal sites, comparison of IPCC methods – case study Moldova Improvement of CH4 emissions from Waste disposal Discussion (10 mins)  “Improvement of emission estimates from solid waste in Mongolia”  Improvement of emissions estimations in Solid Waste Sector"
<b>13:00 - 14:00</b>		<b>Lunch</b>

**14:00 - 17:30** **Plenary session III: LT-ST National Inventory Strategies and QA/QC Programs to Improve the Quality of GHG Inventories**

*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*

*Chair: Nataliya Parasyuk*

14:00-14:30	<i>N. Parasyuk, Ukraine</i>	LT-ST strategies; short summary of main elements  Questions (5-10 mins) Countries
14:30 – 15:30	<i>J.Dorjpurev, Mongolia Tajikistan A.Ovezberdyeva Turkmenistan  E.Fida , Albania</i>	Mongolia LT/ST GHG strategies’ To LT-ST Strategy of improvement GHG inventory in Tajikistan" Strategy and QA/QC Plan of GHG Inventory in Turkmenistan Albania's strategy for GHG inventory improvement - the way towards its implementation Discussion (15 mins)
<b>15:30 – 16:00</b>		<b>Coffee break</b>
16:00-16:30	<i>N. Parasyuk, Ukraine</i>	Development of QA/QC plan as a fundamental element of a QA/QC system – introduction of Template, (20 mins) Questions (5-10 mins) Countries
16:30-17:30	<i>J.Burek Croatia M. Tsarukyan /A. Marjanyan Medea Inashvili, Georgia M.Azievska /M.Todorovski, Macedonia</i>	Presentation of Croatian QA/QC plan  Progress on preparation of Armenian QA/QC plan.  Implementation of QA-QC procedures for GHG Inventory in Georgia.  GHG Inventory cycle incorporating QA/QC procedures within the ACCESS database Discussion (15 mins)

**Friday, April 22, 2005**

**9:00-9:30** **Plenary session IV:  
Time series, recalculations and review**

*Chair: Milos Tichy*

<i>Grigol Lazriev, Georgia G.Allaberdyev Turkmenistan</i>	1990 GHG Inventory: Recalculations and review  Process Improvement of GHG Inventory in Key Sources in Turkmenistan  Discussion
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<b>Plenary session IV: Peer review of National Inventories</b>		
<b>9:30 - 10:30</b>	<i>Activity 1.4.5 Establish in-country technical peer review mechanism. IO4 Improved methodologies and EFs</i>	
		<i>Chair: Nataliya Parasyuk</i>
	<i>K.Mareckova</i>	Peer review within the project; its objectives and planning Questions (10 mins)
	<i>N. Parasyuk, Ukraine</i>	General objectives of inventory reviews Questions (10 mins)
	<i>D.Revet, UNFCCC secretariat</i>	Training programme for GHG inventory review experts Questions (10 mins)
<i>10:30 -11:00</i>		<i>Coffee break</i>
<i>11:00-12:00</i>	<i>T.Simmons, UK</i>	Energy peer review in UK
	<i>T.Tugui Moldova</i>	<i>“Lessons learned from peer review of GHG inventories from Annex I countries - waste sector,”</i>
	<i>M.Gasperic, Slovenia</i>	Slovenia experience with in-depth review of national GHG inventory
	<i>Countries</i>	Georgia, Mongolia, Croatia, Armenia Discussion (20 mins)
<b>Plenary session V</b>		
<b>12:00-13:00</b>	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.	
	<ul style="list-style-type: none"> <li>• Finalization of national Manuals</li> <li>• How to finalize short/long-term strategy to improve data collection in project key sectors</li> <li>• How to finalize QA/QC plan</li> <li>• Update of national and regional workplans</li> </ul>	
		<i>Chair: Katarina Mareckova</i>
15 min	<i>R..Carman</i>	Country Key products, technical assistance needs <i>Discussion</i>
13:00-14:00		Lunch
<b>CLOSING session</b>		
<b>14:00- 16:00</b>	<b>Discuss 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</b>	
	<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>	
		<i>Chair: Rebecca Carman</i>
20m		Reports to the plenary WG (Mobile, Fugitives, Waste, Agro) <i>Questions, Discussion</i>
14:30 – 15:00	<i>K. Mareckova</i>	Project performance before April 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
15:30 - 16:00		<b>Closing of the workshop</b> <i>Coffee</i>
16:00 - 17:00		<i>Meeting of resource team (tentative)</i>