

Training activities for review experts
under the Convention and the Kyoto Protocol in 2012
and
future needs for updating the training programmes

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Current UNFCCC training programmes

Updated training programme for greenhouse gas inventory review experts for the technical review of greenhouse gas inventories from Parties included in Annex I to the Convention

– Decision 10/CP.15

Updated training programme for members of expert review teams participating in annual reviews under Article 8 of the Kyoto Protocol

– Decision 8/CMP.5



Existing training courses and modules - Overview -

Basic course for the review of GHG inventories of Annex I Parties

- Overview of UNFCCC review guidelines and procedures and general IPCC inventory guidance
- Modules on the review of IPCC sectors

On-line instructed and non instructed

Training seminar with final exams

Optional courses

- Improving communication and facilitating consensus in ERTs
- Review of complex models and higher tier methods

Online only

Courses for reviews under Article 8 of the KP

- National Systems
- Application of adjustments
- Modalities for the accounting of assigned amounts under Article 7.4 - optional
- Review of national registries and information on assigned amounts
- Review of activities under Article 3, paragraphs 3 and 4 of the Kyoto Protocol

Online only with exams

Summary of training activities in 2012 - 1 -

Basic course		Registered		Exam passed		Pass rate	
Course		AI	non-AI	AI	non-AI	AI	non-AI
Instructed	Sub-total	19	35	18	19	95%	54%
	seminar – 1	14	18	13	10	93%	56%
	seminar – 2	5	17	5	9	100%	53%
Non-instructed	Sub-total	8(26)	4(10)	7	3	88%	75%
Total		17(45)	39(45)	25	22		

- 2 basic course training seminars: April and October, in Bonn – 54 participants.
 - Regional seminar: planned to be held in Latin America with a focus of increasing the number of non-AI experts, in particular for this region. Due to some insuperable difficulties, the training seminar was held in Bonn.
- 250 invitations sent to the Parties and experts who previously were nominated by their governments to the Roster of Experts.
- Priority is given to the Parties that do not have experts participating in reviews yet.
- Demand is always high; experts are on the waiting list.



Summary of training activities in 2012 - 2 -

Kyoto Protocol courses

	Annex I	Non-Annex I	Total
Participants	31	30	61
Passed the required exams in 2012	24	10	34

- 84 new experts from 2011-2012 training activities are expected to take KP courses starting from 6 May 2013.

Optional courses

- Improving communications and facilitating consensus
- Review of Complex Models and Higher Tier Methods
 - So far, about 120 experts registered. 20 experts have passed the exams (out of 29 experts who took the exams).

Refresher Seminar

- Good practice approaches to inventory issues identified during the review process.
- back to back the 9th Lead Reviewers Meeting, on 27 March 2012.
- Attended by 42 experts.



Training activities in 2013

- **Basic course for the Convention Review**
 - Now under-going (4 March – 15 April)
 - 39 experts are studying the general overview in the past two weeks and now starting the sectoral modules.
 - Hands-on training seminar: 16-18 April

- **Kyoto Protocol inventory review**
 - immediately after the completion of the Basic Course (6 May – 16 June)
 - Final exams: 17-19 June

- If resource will permit, **regional training seminar for the Basic Course** can be held sometime in September - November



Survey on participants of the basic course - 1 -

Questionnaires to all training seminar participants of the latest 3 years(159) – 69 replies

Purpose: to analyze needs for the training curriculum and modules by understand the profiles of participants

- Experts with the experience in UNFCCC reporting of national GHG inventories before taking the basic course: 80%
- All consider the training was helpful because,

On-line courses are:

- Well-structured for learning step by step essential points:
- help understanding the whole picture of the review processes:
- help improve/refresh technical knowledge on inventories, how to use 1996 IPCC GLs and IPCC GPG, the UNFCCC reporting requirements:
- for non-Annex I experts, important to learning how to assess inventories of Annex I Parties.

The training seminar is good opportunity to:

- have advice from experienced reviewers and participants from other Parties:
- practice by the simulation of the review including the review report drafting.

Many participants in the survey mentioned that interaction among participants during the training was inspiring, and give motivation to study more to improve their own inventory at home.

Survey on participants of the basic course - 2 -

Profile of responded experts– experience of UNFCCC reporting and their expertise

	Expertise/experience	Before training	Currently
GHG inventory	UNFCCC reporting	80%	
	Technical work	-	58%
	Coordination/administration only	-	10%
	Other *	-	9%
	Not working in inventories	-	23%
NC	Inventory only or Inventory + admin/coordination	-	32%
	PAMs and other areas *	-	12%
	Coordination/administration only	-	4%

* Other and other areas include: 1) Mitigation strategy/policy development, 2) Technical tasks, such. Preparation of energy-balances, identification of emission sources, QA/QC of inventories, 3) CDM, Capacity-building, etc.

- Participants consider necessary one-week study to prepare for a seminar + exams;
 - Important to have support from supervisors at home;
 - This is particularly important for non-Annex I experts (passing rate around 55%).



Survey on participants of the basic course - 3 -

- All expressed their willingness to participate in reviews. However for some experts, impediments are;
 - Funding issue for Annex I and NGO experts
 - Busy with other assignments at home, or their inventories and NC preparations
 - Language

For further consideration

- Since 2003 with the exception of 2007-2008, the training programmes supplied new review experts continuously.
- Currently, relative participation of experts from EIT Parties is increasing while participation of experts from other Annex I Parties is decreasing.
- Geographical representation needs to improve.
- Funding becomes an issue for Annex I and NGOs experts.
- More non-Annex I Party experts need to take the courses and pass the exams.

Composition of the ERT		IR ERT in 2007	ERT in 2012
Experts	AI not include EIT	50%	45%
	EIT	12%	18%
	Non-AI	38%	38%
Parties	AI	35%	34%
	EIT	17%	21 %
	Non-AI	48%	45%



Training needs for experts to meet new requirements - 1 -

Implementation of revised UNFCCC reporting and review guidelines

Revised UNFCCC Annex I inventory reporting guidelines, adopted in 2011 including revised CRF tables – to be used from 2015 submission (15/CP.17)

- The 1996 IPCC GLs & IPCC GPG will be replaced with 2006 IPCC Guidelines from the reporting of inventory year 2013

IAR process: the revision of review guidelines for National Communications, Biennial Reports, including GHG inventories, is under way. (2/CP.17)

KP2 inventory reporting

- Undergoing negotiations on methodological issues related to 5, 7 and 8 of the KP;
- New rules for LULUCF under Article 3.3 and 3.4 of the KP.
- Inventory reporting under the second commitment period of the KP starting in 2015



Training needs for experts to meet new requirements - 2 -

Implementation of the use of 2006 IPCC Guidelines for the reporting in 2015 onwards

- ERT needs to be ready for the technical reviews of GHG inventories those are developed using the 2006 IPCC Guidelines, in accordance with the revised UNFCCC reporting guidelines.

- Existing courses are based on 1996 IPCC Guidelines and IPCC GPGs.

Examples of changes and challenges for the ERT:

- New methodologies and default EFs, including more options for tier 3 methods:
- New categories, e.g. new process emissions, biological treatment of waste:
- Differences in the UNFCCC reporting requirements and IPCC sector structure:
 - AFOLU <-> LULUCF + Agriculture for the UNFCCC reporting
 - Mapping some categories/emissions, and allocation issues
- Feedstock and NEU in Energy and IPPU, CCS, no potential emissions of F-gases, etc.:
- Other changes including GWPs in AR4, NF_3 , in the reporting Guidelines:
- Future decision on appendices of 2006 GLs – e.g. supplement on wetlands.

Training needs for experts to meet new requirements - 3 -

- Need to maintain high level competence of the ERTs:
 - Necessary to uphold the technical skills and competence of inventory practitioners newly joining the ERTs from various Parties, in particular involving more experts from non-Annex I Parties:
- Need to incorporate the latest experiences of the review process into the training materials:
- Need to hand over the philosophy and scientific reasons behind the methodologies from methodology developers to the next generation of experts.

% of review experts involved in the development of the IPCC methodologies

Roles	IR ERT in 2007	ERT in 2012
2006 IPCC GLs/GPG/supplements: Authors and review editors	41%	20%
2006 IPCC GL/GPG: government and expert reviewers	18%	10%



Possible steps

Lead reviewers could conclude on the need of updating and complementing the training programme for reviews of GHG inventories.

Thank you very much!

For questions, please contact: GHGtraining@unfccc.int

http://unfccc.int/national_reports/annex_i_ghg_inventories/inventory_review_training/items/2763.php

