

# **The Agriculture and Nature Panel**

## **Report 2005**

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**UN ECE Task Force on Emission Inventories and Projections,  
Agriculture and Nature Panel**

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### Personal changes

Rainer Steinbrecher

(Institute of Meteorology and Climate Research – Atmospheric Environmental Research Division, Garmisch-Partenkirchen, Germany)  
became third co-chair, appointed to deal with emissions from natural sources in particular.

## The Agriculture and Nature Panel

### Checking plans for 2004/2005 (1)

No.	Description	By whom*	Progress
1	Update chapters B1040 (Enteric Fermentation, SNAP 100400) and B1050 (Manure Management – Organic Compounds, SNAP 100500) with a detailed methodology for methane, to be adapted from the IPCC tier 2 approach.	Convening author: U Dämmgen	None

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### Checking plans for 2004/2005 (2)

No	Description	By whom	Progress
2a	Finalize chapter dealing with “Emissions of Particles” (101000). Chapter on emissions from animal houses	Authors: J. Seedorf, U. Dämmgen, Z. Klimont	accepted
2b	Draft a chapter on PM emissions from arable agriculture	Convening author: T Hinz	some
3	Update chapter B1090 (Nitrogen species from manure management)	EAGER group members	Started
4	Update chapters B1010 and 1020 in accordance with IPCC	work likely to begin in spring 2005	None

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### Checking plans for 2004/2005 (3)

No.	Description	By whom	Progress
5	VOCs from natural sources	Steinbrecher	Considerable
6	Test case "Poland" for the derivation of adequate tools for agricultural emission inventories for new member countries	T Kuszynski and U Dämmgen	Solved
7	Increase information from mediterranean countries	L Valli	None

## The Agriculture and Nature Panel

### Problem to be addressed

For all authors in the Agriculture and Nature Panel, compiling and writing Guidebook chapters means Sunday afternoon work.

Mind: there are only about 50 Sunday afternoons per year, with very few left.

### Ammonia

(1) A mid-term meeting was held in Segovia together with the Ammonia Abatement Group.

Items discussed with respect to the Guidebook:

- consistent development of the mass flow approach
- comparison of various worksheets to harmonize calculations

## The Agriculture and Nature Panel

### Plans for 2005/2006 (1)

No.	Description	By whom	Progress
1	Update chapters 10 01 and 10 02 (2006 IPCC Guidelines to be considered)	To be addressed	
2	Update chapters 10 04 and 10 05 (2006 IPCC Guidelines to be considered)	Provisional lead author Dämmgen (some authors addressed)	
3	Update chapter B1090 (Nitrogen species from manure management) (2006 IPCC Guidelines to be considered)	Lead authors Hutchings and Dämmgen, to be finalized in spring 2006	
4	<b>In any case: increase input from Mediterranean and accession countries</b>		



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### Plans for 2005/2006 (2)

No.	Description	By whom	
5a	VOCs and NO/N <sub>2</sub> O from natural sources	Steinbrecher, Butterbach-Bahl, to be finalized	
5b	Particles from natural sources	Winiwarter To be finalized	
5c	Seasalt, PM from windblown dust (natural sources)	Dore To be finalized	
6	PM from agricultural sources other than animal houses	convening authors: Hinz & v d Hook: To be finalized	
7	Introductory chapter	Hutchings and Dämmgen: To be ready in August 06	

## Meetings held

### **EAGER Group:**

(European Agricultural Emissions Researchers Network)

Two meetings at Wülflingen/Winterthur (Switzerland) and one in Copenhagen in order to harmonize the calculation of the  $\text{NH}_3$  emissions (manuscript almost ready)

### **Agriculture and Nature Panel and Ammonia Abatement Group:**

Joint meeting in Segovia, Spain

Items discussed with respect to the Guidebook:

- consistent development of the mass flow approach
- comparison of various worksheets to harmonize calculations

## The Agriculture and Nature Panel

### Meetings planned

#### **EAGER:**

Confirmed: February 1 and 2, 2006, Vienna  
Planned: at least one further meeting

#### **Agriculture and Nature Panel and Ammonia Abatement Group:**

Confirmed: April 26 to 28, 2006, Průhonice near Prague