EPMAN
Expert Panel on Mitigating Agricultural Nitrogen

A Brief History

Martin Dedina and Shabtai Bittman
Inaugural Meeting
Nov. 2008 in Milan, Italy

Previously:
Expert Group on Ammonia Abatement

Past and current meetings:

EPMAN-5
on the 28th February, 2012 in Sankt Petersburg, Russia

EPMAN-4
May 10th, 2011 in Rome,

EPMAN-3
24th-25th September 2009 in Dublin,

EPMAN-2
27th April 2009 in Garmisch-Partenkirchen, Germany.

EPMAN-1
12th November 2008 in Milan,
Goal of EPMAN

To expand the scope of ammonia abatement by taking into account the entire N cycle on the farm:

– Increase the tool kit of measures
– Avoid unintended consequences (pollution swapping)
– Ensure impact on overall emission reductions
– Ensure low cost abatement methods
Specific EPMAN goals are to develop:

1. **Guidance Document**
   - Explanatory document to Annex 9
   - Developed alongside Annex 9
   - Point by point explanatory text for the Annex for policy makers

2. **Framework Code for Good Agricultural Practices**
   - Explanatory text for the farming sector
Major Advances

- New section on whole farm N management via “Farm N Budgets”
- New section on reducing protein feeding
- New assessment of application methods (supporting document)
- New costing analysis (prompted book by Stefan Reis et al)

***At each stage there are very low cost measures available****
Where are we Today?

Goals of EPMAN 5

- Need to finalize the Guidance Document
- Initiate work on the Framework Code For Good Agricultural Practices
- Would like wider participation form experts and Parties
AGENDA Feb 28, 2012

9:00  1. Introduction from the co-chairs of the Expert Panel, and from participants
Role of the EPMAN in the process of the GP/Annex IX revision
A brief history of EPMAN activities since Nov. 2008 (EPMAN-1) Shabtai Bittman
ECCA countries representatives to provide a short introduction to themselves and their country Martin Dedina

Oene Oenema and Mark Sutton
A short explanation of significance of the Gothenburg Protocol, Annex IX of the GP and its dissemination
Provision of information from the 49th WGSR meeting hold in September 2011 in Geneva and Overview of current revised of the Annex IX
9:30  2. Presentation from ECCA country representatives

• Harmonization of the International and National Requirements and Guidelines to Reduce N-reactive Emission from Agriculture Vladislav Minin

• Techniques to reduce ammonia nitrogen losses in organic fertilizers production and application S Lukin

• Field experiments to study N2O and CO2 emissions from arable soils and pastures in North-Western and Central Russia Natalia Buchkina

• Biotechnological approaches to ammonia generation in livestock production George Laptev

10:30  Coffee/tea

11:00  4. Final discussion of the Guidance Document for Preventing and Abating Ammonia Emissions from Agricultural Sources
Shabtai Bittman, Martin Dedina, Oene Oenema, Mark Sutton
What needs to be done before approval
- Finalisation of the chapters
- Final check of its linkage with the Annex IX/ consistency with summary
- Final assessment of costs need for GP principles implementation

12:00  Lunch
13:00  5. Final discussion of the Guidance Document for Preventing and Abating Ammonia Emissions from Agricultural Sources (continued)

13:30  (6. Draft Book on Cost and Benefits of NH3 Emission Abatement)

14:30  7. Framework code
Martin Dedina and Shabtai Bittman
Purpose of the code, suggestions of aims;
Confirm lead writers
Structure and contain of the code, scale of provided information
Discussion about multi-pollution assessment of abatement measures

15:30  Coffee/Tea

16:00  8. Discussion of paper by Sintermann et al. 2011
Tom Misslebrook
Are ammonia emissions from field-applied slurry substantially over-estimated in European emission inventories?

16:50  9. Confirming actions and key priorities (approval of Guidance Document)

17:00  Close of meeting