

# **Expert Panel on Managing Agricultural Nitrogen**

Expert Panel to the Task force on Reactive Nitrogen

**EPMAN-2**

27 April 2009

Garmisch-Partenkirchen, Germany

Co-Chairs: Martin Dedina and Shabtai Bittman

# EPMAN-2 Agenda

9am-5pm [lunch from 12.00-13.30]

## Introduction (Goals for meeting)

## Documents to consider

### 1. Annex 9

Oenema

### 2. Updating Guidance Document

-- N Overview (Sections 1-27?)

Oenema

-- Animal feeds

Ogink and Gronenstein

-- Additives

Dedina

-- Ventilation

Kozlova

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-- Spreading

Review

Webb (30 Min)

*Abatement efficiency*

*Agronomic impacts*

*Costs*

*Nitrous oxide*

Updating Spreading (Guidance document)

Lalor, et al.

### 3. Practices document- Do we need to look at this?

## (16:00-17:00) Concluding with a wrap-up session:

Recommendations to TFRN

Additional work on the guidance and farm Practices document?

## (17:00- 18:00) A joint session with the Expert Panel on Nitrogen Budgets

'Considering N budgets in abatement measures' (Wilfried Winiwarter & Shabtai Bittman)

Farm Scale N Budgets in regulating NH<sub>3</sub> emission in DK: Principles and Regulator attitudes. Hutchins

# Goals of EPMAN-2

1. **Revise ANNEX 9 (most urgent)**
2. **Review Guidance Document**  
(No definite deadline but we should set a schedule/ date)
  - Reactive N
  - Feed
  - Feed additives
  - Ventilation
  - Land spreading (mitigation, agronomic, co-benefits, economics)
  - Other? (storage building)
  - Farm N balance (Hutchings)
3. Consider strategy for the Code of Good Agricultural Practices.

*Assumption is that the*

*-Annex is binding regulation with urgent deadline*

*-Guidance Doc is information for Policy Makers*

*-Code if for Producers (should be base on and consistent with the Guidance Doc.*

# The Plan

- Review key points/ paragraphs on each general topic in suggested revised text if needed
- Identify key new points
- Volunteers will prepare paragraphs
- Chairs will compile the paragraphs and post them on the web in preparation for next meeting

## Oene's suggestions for the four discussion groups:

1. How to implement a more integrated approach to the mitigation of NH<sub>3</sub> emissions, what are the appropriate quantitative indicators, what are target values
2. What are the benefits of a more stringent NH<sub>3</sub> emission abatement for the farmer and society in monetary terms and in terms of human health and ecological impacts
3. What are feasible levels of abatement for NH<sub>3</sub> emissions (ammonia emission reduction percentages) from
  - pig and poultry housing and manure storage systems
  - manure application (both slurry and solid manure) to land
4. What are feasible levels of abatement for NH<sub>3</sub> emissions (ammonia emission reduction percentages) from cattle housing and cattle manure storage systems, if cattle (both dairy and other cattle) would be included in ANNEX IX, and for which cattle farms (size of the farms, number of cattle) should these provisions apply.