EPMAN
Expert Panel on Mitigating Agricultural Nitrogen

Martin Dedina and Shabtai Bittman
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
Goals of EPMAN 5

• To finalize the Guidance Document
• Initiate work on the Framework Code For Good Agricultural Practices
• Encourage wider participation from experts and Parties including EECCE Countries
• Discuss paper by Sintermann challenging methodology for assessing field emissions from applied manure
AGENDA Feb 28, 2012

Attendance (list to be appended) apprx 40

9:00  1. Introduction from the co-chairs of the Expert Panel, and from participants
      Shabtai Bittman and Martin Dedina

9:15  2. Introduction of Gothenburg Protocol (GP) principles and its aims in ECCA countries
      Oene Oenema and Mark Sutton
      Significance of the Gothenburg Protocol, Annex IX of the GP; Information from the 49th WGSR meeting and
      Overview of current revised of the Annex IX

9:30  2. Presentation from EECCE 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

11:00 4. Final discussion of the Guidance Document for Preventing and Abating Ammonia
      Emissions from Agricultural Sources

15:30  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

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?
# EPMAN Results

## Guidance Document breakout discussions

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Leads</th>
<th>Text</th>
<th>Abatement</th>
<th>Costs</th>
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<tbody>
<tr>
<td>1. Whole farm N</td>
<td>O. Oenema</td>
<td>Minor to mod revisions</td>
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<td>2. Feed N</td>
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<td>3. Housing</td>
<td>Harald Menzi, Karin Groenestein, Karin Groenestein</td>
<td>Major revision, By March 5</td>
<td>Major revision, By March 5</td>
<td>Major revision, By March 5</td>
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<td>3c. Poultry</td>
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<td>Karin and Harald</td>
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<td>5. Spreading</td>
<td>Shabtai Bittman and Mark Sutton</td>
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To Do- on Guidance Document

• Revised Guidance Document to be posted on Website by March 5, 2012
• TFRN members will be notified.
• There will be one week to make comments
• If there are no major concerns about this draft, the GD will be considered approved by TFRN
Framework Code for Good Agricultural Practices - Revision

Questionnaire on need for code, role and interest in helping 15 responses

- Know about the code - yes
- Framework code used in your country – no
- Why not- own code e.g. Russian federation, Switzerland etc.
- Do you support development of code yes
- Information costs, practical tools/ info, photos- for farmers
<table>
<thead>
<tr>
<th>Volunteers</th>
<th>Topic</th>
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<tr>
<td>M. Dedina (EU Co-lead?)</td>
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<tr>
<td>H. Menzi (Lead?)</td>
<td>All/ Housing</td>
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<td>J Webb (EU co-lead?)</td>
<td>All esp. application</td>
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<td>S. Lukin (EECCE co-lead?)</td>
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<td>V. Minin</td>
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<td>L. Moklayachuk</td>
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<td>S. Nigar?</td>
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<td>I. Yesserkepova?</td>
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<td>E. Balashov ?</td>
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<tr>
<td>N. Buchkina ?</td>
<td>Practical tools and info</td>
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Sintermann Paper on Spreading Emission factors

- Discussion lead by T Misselbrook
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****