

# Report to TFRN from EPMAN6

Copenhagen Denmark

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# Summary

- Based on previous EPMAN meeting in Berlin, Germany agreed to take the lead and for revising the Framework Code document.
- Helmut Dohler and colleagues prepared revisions of the Framework code chapters and this was edited by Harald Menzi. The new drafts were emailed to many but not all EPMAN members on Tuesday of this week.
- Planning meeting held Wednesday night to discuss how to move forward. After extensive (beer drenched) discussion the recommendations developed in Berlin were substantiated for presentation at the EPMAN meeting.
- Recommendation was to develop a simple framework code stressing that it is a “Framework” and to ensure that we achieve consistency in format and that the information will be consistent with the Guidance document. This Framework document would be no more than 20-30 pages.
- A second type of Framework Code document would be more gradually developed that would include a broader range of information and would be illustrated, kept updated and posted on the TFRN website. Gabriele Weschung would look into possible funding from Germany.
- Schedule:
  - Comments back to Helmut and Co-chairs by May 25
  - Comments incorporated by early June for electronic meeting to obtain consensus
- Brief statement by Natalia on the EECCA meeting and indicated support for the Framework code

- Summary by Klaas of Proceedings from Meeting in St Petersburg dealing with national emission inventories – around 25 chapters from countries with a very broad representation across regions. Book will be published in about a month
- Discussion by Nick Hutchings on collaboration between EPMAN and Agr and Nature Panel of Task force of Emission and Inventory projections Joint meetings cross discussions?

# Key questions regarding Framework Code Document

- Change of document structure e.g. joining chapters F and G
- Section structure to be changed- eg more consistency needed
- Data on emission levels, concentrations etc. congruent with Guidance Document data
- Definition of reference system for indicating level of emission reduction ? (text, tables)
- Chapter housing (pig poultry cattle) with more detailed information on specific techniques (comparable to “storage” and “application” ) with tables and a selection of recommended techniques
- Chapter feeding with challenging protein levels /excretion levels and without ranges ?
- Reduce the 2 chapters on mineral fertilizers to one ?

# Introduction

## Nitrogen Management (Minor changes)

- Balanced N applications
- Emissions from grassland
- Emissions from arable crops
- Guidelines
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## Feeding Strategies

- Introduction
- Methods for decreasing N excretion
- Pigs and poultry
- Ruminants

## Low emission manure spreading techniques

- Introduction
- Low emission techniques for slurries and other liquid manures
- Incorporation
- Low emission techniques for solid manures
- Other techniques
- Practical considerations
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## Low emission manure storage techniques

- Introduction
- Storage of slurry and other liquid manures
- Storage of solid manure
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## Low emission animal housing systems

- Introduction
- Slurry based pig houses
- Straw-based pig houses
- Low emission systems for poultry buildings
- Low emission systems for cattle buildings
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## Limiting ammonia emissions from the use of mineral fertilizers

- Ammonia losses from mineral nitrogen fertilizers
- Urea
- Other
- Limiting ammonia emissions from mineral fertilizers
- Urea
- Ammonium sulphate
- Ammonium carbonate
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