

For our Environment

12th Meeting of the Task Force on Reactive Nitrogen  
29.-30. June 2017

# Expert Panel on Nitrogen Budgets (EPNB)

## Co-Chairs

Markus Geupel, German Environment Agency

Wilfried Winiwarter, International Institute for Applied System Analysis

## Workplan 2016 / 2017, Outcome of EPNB-13, Paris 2016

### WORKPLAN

Finalization of the Guidance Document on national nitrogen budgets  
→ “Waste” & “Energy” annexes



Scientific paper(s): N2016/Melbourne



Structure of reporting - Reporting Template  
Proposal for “test call for N budgets”



Continued interaction with other organisations on budget work



### FUNDING-DEPENDENT

User workshop



Dynamic tool on N budgets



Farm nitrogen budgets



## **EPNB-14, Teleconference 29. September 2016**

- **12 PARTICIPANTS (PRACTICAL WAY FORWARD)**
- **STATUS OF WORKPLAN**
- **STATUS OF EXISTING ANNEXES, PROCEDURE FOR FURTHER IMPROVEMENTS**

## Outline for the EPNB-15 Meeting, 30th June 2017, Aarhus

- 1. GUIDANCE DOCUMENT ON NITROGEN BUDGETS**
- 2. RECENT COUNTRY ACTIVITIES, CURRENT PLANS AND REPORTING**
- 3. PUBLICATIONS AND OUTREACH TO OTHER INSTITUTIONS**
- 4. HOW DOES EPNB-WORK INFLUENCES EU ACTIVITIES UNDER NERC-DIRECTIVE?**
- 5. EPNB AND “TOWARDS INMS” ACTIVITY 1.1 - “DEVELOPMENT OF N SYSTEM INDICATORS”**

## Guidance Document on Nitrogen Budgets

- English, French and Russian versions of the Guidance Document on Nitrogen Budgets are available
- Latest version of the Technical Annexes dated 21.09.2016 is available on the [EPNB-webpage](#)
- A review sheet to provide comments in a structured way is available, too
- The Technical Annexes are still not complete yet, and available only in English
- A draft version of the Annex „Energy and Fuels“, one of the two outstanding annexes, is available since May 2017 (internally only but disseminated across EPNB)
- Learn more about Annex “Energy & Fuels”
- Discuss Annex “Waste”
- Discuss Review of existing annexes
- Discuss Translation of “General Annex”

## Recent country activities, current plans and reporting

- **Austria (Ika Djukic)**
- **Germany (Jürg Heldstab / Markus Geupel)**
- **Switzerland - Uncertainties of the NH<sub>3</sub> emissions of Swiss agriculture (Jürg Heldstab)**
- **Reporting and reporting template (Discussion)**
- **Planning of a user workshop in January 2018 in Germany**
- **Discussion of Reporting template and preparation of a test-call for NNB**

## Publications and Outreach to other institutions

- **Planning of finalization a scientific publication on NNB**
- **Preparation of liaison with EUROSTAT:**
  - EUROSTAT-Workshop on “Air Emission Inventories” and “Agro-Environmental Indicators” together with DG CLIMA and DG JRC, 30<sup>th</sup> November 2017

## How does EPNB-Work influences EU activities under NERC-Directive?

### ARTICLE 6 - NATIONAL AIR POLLUTION CONTROL PROGRAMMES

→ First reporting 1st April 2019

### Annex III - CONTENT OF NATIONAL AIR POLLUTION CONTROL PROGRAMMES REFERRED TO IN ARTICLES 6 AND 10

#### Part 2 - EMISSION REDUCTION MEASURES REFERRED TO IN THE SECOND SUBPARAGRAPH OF ARTICLE 6(2)

##### A. MEASURES TO CONTROL AMMONIA EMISSIONS

***2. “Member States may establish a national nitrogen budget to monitor the changes in overall losses of reactive nitrogen from agriculture, including ammonia, nitrous oxide, ammonium, nitrates and nitrites, based on the principles set out in the UNECE Guidance Document on Nitrogen Budgets (Decision 2012/10/EC, ECE/EB.AIR/113/Add 1)”***

## Discussion



## **EPNB and “Towards INMS” Activity 1.1 “Development of N System indicators”**

### **Task 1.1.1 - Development of National N budget approaches**

- **Japanese N budget activities (Kentaro Hayashi)**
- **Global top-down modelling (Benjamin Bodirsky)**

### **Task 1.1.2 - Development of Farm N budgets (Joint session EPMAN/EPNB)**

- **reports from Cameron Gourley, Tom Misslebrook**

**- Exploration of future co-benefits between EPMAN- and EPNB-work**



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**Umwelt  
Bundesamt** 

# Thank you for your attention!

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