

# EPNB-15 meeting, 30th June 2017, Aarhus

## Minutes

Chairs: Markus Geupel (MaG), Wilfried Winiwarter (WiW)

Minutes: Wilfried Winiwarter

Country abbreviations (2-letter-code) according to ISO 3166

Participants:

Ika Djukic, Jürg Heldstab, Adrian Leip, Kentaro Hayashi, Karin Groenestein, Rasmus Einarsson, Benjamin Bodirsky, Elisabeth Bömcke, Kajsa Pira, Clare Howard, Lidiya Moklyachuk, Sergei Lukin, Natalia Kozlova, Sergey Medinets, Jan Klir

Minutes following agenda items:

### **1. Guidance Document on Nitrogen Budgets**

Presentation slides: Jürg Heldstab

Annex “Energy”: Draft is available and has been distributed to countries. Interaction with “Waste” will be required. Review by MaG, further feedback will be most welcome: Timeline: Review by September, finalization by end of the year in time for next EPNB meeting (see below)

Annex “Waste”: Clare Howard will circulate a first draft to the authors of other annexes (by mid-July) and provide a final draft for review by end of August. MaG will identify an UBA – colleague for review. Finalization before the end of the year.

New annexes will be made publicly available on the EPNB web only after review and adoption at the next EPNB meeting.

Other annexes: Any specific feedback received will be compiled into one document, to be made available at EPNB web page to inform other users on potential issues already identified (WiW to compile and upload) – no immediate revision. TFRN will be requested to adopt the existing annexes (6 annexes on pools & General annex).

### **2. Recent country activities, current plans and reporting**

Presentation slides: Ika Djukic, Markus Geupel, Filip Moldan (in absentia), Jürg Heldstab

The current update of the DE N-budget follows the new guidelines. AT and SE provide information on first activities, with AT expecting to arrive at a funding decision at a workshop mid-November. General interest has been stated by NO, PT, and UK. CH reports on uncertainty assessment of Swiss agricultural NH<sub>3</sub> emissions.

DE prepares a user workshop in connection with their updated national nitrogen budget, to be organized late January next year in Berlin or Dessau. Funding for participation of some EECCA country representatives may be available. To optimize international attendance and create synergies the meeting will also cover the next EPNB meeting (EPNB-16)

Reporting / reporting template: Current DE activities will be used to move forward. DE uses an Excel sheet to compile all N budget data. Visualization has already been implemented in the free software STAN (Vienna University of Technology, Prof. H Rechberger – downloadable after registration at <http://www.stan2web.net/>) and can be used in identical manner by other countries. The following way forward has been agreed upon:

\*) Excel-Template will be reviewed (technically) by Benjamin Bodirsky and Rasmus Einarsson – to make sure it is easily readable by other software. Potentially minor software adaptation is needed to link between “instances” of the same data in different Excel sheets (Jürg Heldstab)

\*) WiW to contact CEIP (Katarina Mareckova) if they agree to this basic approach or would have alternate suggestions.

\*) WiW to inform Prof. Rechberger on potential use of their software (no issues expected)

### **3. Publications and Outreach to other institutions**

\*) Finalization of previously missing annexes allows to move forward on scientific publication project: WiW will adapt his Melbourne (INI2016) paper accordingly. First of all, that paper (possibly including requests to co-authors) will be sent to potential co-authors by July 14

\*) EUROSTAT wishes to liaise with EPNB activities in their-Workshop on “Air Emission Inventories” and “Agro-Environmental Indicators” together with DG CLIMA and DG JRC, 30th November 2017, in Luxembourg. Ideally EPNB is represented by authors of the “agriculture” annex. Karin Groenestein will check her availability, Adrian Leip (who will participate in his JRC role anyway) can also easily take over if officially appointed representative.

### **4. Influence of NERC-directive on EPNB work**

NERC directive allows countries (“may”-clause) to use N budgets as a tool to explore potential emission reductions. NL, AT, CZ, UK will explore internally funding possibilities for possible implementation.

AirClim (Kajsa Pira) will organize workshops for NGOs and decision makers.

EPNB will make sure that all mechanisms are in place to allow establishing and reporting national N budgets by the 1st reporting date, April 1, 2019 (i.e., complete guidance and reporting)

### **7. AOB – Workplan 2017 / 2018**

Foreseen activities:

- Finalizing Annexes and make available on the EPNB web site

- User workshop combined with EPNB-16 (Berlin or Dessau)
- Adoption of full set of Annexes at next TFRN meeting
- Reporting, reporting templates
- Continue collaboration with international bodies (Eurostat, OECD) and with INMS

Optional activities (funding open):

- Farm N budget
- Dynamic tool on N budgets

## **5. Status of “Towards INMS”**

Presentation slides: Clare Howard

## **6. EPNB & “Towards INMS” Task 1.1.1 Development of National N budget approaches**

Presentation slides: Kentaro Hayashi, Benjamin Boudirsky

Collaboration with INMS is seen as an opportunity to expand the scope of national N budgets to countries beyond Europe (Japan, China, U.S., India, ...)

## **8. EPMAN/EPNB “Towards INMS” Task 1.1.2, Development of Farm N budgets”**

See presentation slides by Cameron Gourley at TFRN-12 (June 29).

EPNB expresses Cameron’s and Tom’s activity as an opportunity to increase the momentum on farm nitrogen budgets. EPNB lacks specific agricultural expertise and sees this activity, while currently restricted to beef and dairy farms, as a welcome start. At the same time it is noted that obligations exist in some countries (at least CH, NL, NZ) for farmers to provide farmgate N balances.