

19th EPNB meeting – 01.06.2022

Participants:

Barbara Amon, Bill Bealey (UKCEH), Shabtai Bittman, Ika Djukic, Ulli Dragosits, Markus Geupel, Bruna Grizzetti, Samuel Guéret, Kentaro Hayashi, Katrin Kaltenegger, Natalia Kozlova, Alley Leach, Zehui Liu, Anna Malchihina, Cristina Martin Hernandez, Lidiya Moklyachuk, Filip Moldan, Monika Suchowska-Kisielewicz, Bettina Schäppi, Audric Vigier, Wilfried Winiwarter.

Notes: Katrin Kaltenegger and Samuel Guéret

Chairs: Markus Geupel and Wilfried Winiwarter

[EPNB 19 was jointly held with the final meeting of the UNCNET project (see www.uncnet.org). Two keynote presentations held May 31 were closely tied to the EPNB, to one of which slides have been made available on the EPNB web site]

Introduction, Overview (Wilfried Winiwarter)

- GP review – no changes since previous meeting
- Steps to complete GD annex waste: Project is planned at the German Environment Agency to support scientific work on annex. While the project covers national aspects (new national N budget for Germany) it is designed to address open questions by EPNB. Description has been finalized, start is expected in September or October (timeline: 2 years).
 - WP1 – Completion of Annex Waste building on experiences from national budgets already completed
 - WP2 - Harmonization of all EPNB GD & annexes considering feedback
 - WP3 – Development of data template (usable also for national submissions)
- Call for data intended for 2024/2025 – as done in ICP modelling & Mapping to get more parties involved (TFRN & WGSR). A list of desirable key data needs to be prepared to enter the topic into a TFRN meeting and its work plan for adoption at WGSR in their May 2023 meeting. Prerequisite for such a call is that guidance is complete, harmonized, and appropriate for all countries under the UNECE domain (i.e., guidance under a simple “tier 0” approach for all pools).

NNB submission format

- Publishing existing national N budgets on website/central repository will not make much sense as not yet comparable or in common format. That will only be established at a later stage, e.g. as the consequence of a call for data (see above).

- It may be useful to prepare a page at CEIP web site (www.ceip.at), which as long as results are not harmonized merely links to the existing national budget web site and thus clearly indicates the need for further harmonization.
- Wilfried will speak to the appropriate people at CEIP (Umweltbundesamt Vienna) to be identified by Ika.

Tool to visualize national N budgets – presentation and demo (Audric Vigier)

- Development by UKCEH not publicly available yet, aims for
 - Input template to facilitate/harmonize visualization for all countries (may serve also as a submission format of national N budgets)
 - Harmonization with GD & annexes & German work on template
 - Timeline: Launching of tool at final INMS meeting March/April 2023
 - Output: graphical display via web interface of national N budgets, with a multitude of options to show/hide/scale flows at different complexities
- As primarily developed under INMS, interest in global data (all the world or countries from any region globally)
- Test access link is available from Audric or Bill Bealey at CEH.

Presentations of related projects – see presentation slides

- Application of national N budgets – INMS & beyond (Kentaro Hayashi)
- INMAP (integrated nutrient management action plan) project of the EU Commission/JRC Ispra (Bruna Grizzetti)
- ERANET projects (Barbara Amon): MELS, MilKey, DairyMix
- Forest & seminatural N budgets & the link to C sequestration in the Nordic forests (Filip Moldan)

Presentations of Country Reports - see presentation slides

- [Austria (Ika Djukic, keynote at UNCNET meeting May 31)]
- Scotland (Ulli Dragosits)
- Sweden (Filip Moldan) – current focus on Energy & Fuels
- Switzerland (Bettina Schächli)

Discussion

- Galloway 2014 – Nr losses per capita – could be included in trends & used for comparison between countries
- NUEs could also be used for comparison if understanding of inflow & outflow is the same
- UNCNET may be able to suggest appropriate indicators
- Indicators also should be integrated into the online tool for improved overview

- Within INMS project new N footprint calculator will be developed (in several languages) – to be released this summer - Alley Leach will share link to test version and would be happy to get feedback
- UNECE CLRTAP and all its working groups continue to invite all parties to participate & contribute scientifically. In this context, discussions need to be kept on the admitted topics of interest.

The current war in the Ukraine with its impacts on the N cycle clearly is a topic of interest to the EPNB. Hence, the efforts by Lidiya Moklyachuk and colleagues, together with Alley Leach, to provide data on such impacts was highly welcomed. The importance of such work derives from the fact that all efforts to safeguard environmental issues may become futile in conflict situations, a fact that deserves to be flagged. The previously announced presentation, however, had to be postponed to a later stage.

Work Plan for 2022/23

- GD Annexes: Waste Annex finalized
- GD Annexes; Annexes harmonization
- Submission template
- Visualization tool
 - Identify target user group for visualization tool & short-term priorities

Tentative Work Plan for 2024/25 (to be discussed with TFRN)

- Call for data, to be endorsed by TFRN and submitted to WGSR, in order to mobilize national funding for establishing budgets
- E-Brochure (pdf) with essential info on application of budget (use cases) (could also be website)
- Engagement with N expert group of UNEP