

UNECE Expert Workshop on Mitigating Ammonia Emissions from Agriculture.

Organised Task Force on Reactive Nitrogen and hosted by the European Commission

Purpose of the Workshop

The workshop is designed in order to give input to the revision of the UNECE Air Convention Guidance document on preventing and abating ammonia emissions from agricultural sources. The current version of the Guidance Document is [UNECE/EB.AIR/120](#) and has been used for many years in order to guide setting measures by Parties to the UNECE Air Convention, as well as EU MS as this Guidance is also a reference point for the National Emission reduction Commitments Directive. The guidance was also published for wider dissemination as “[Options for Ammonia Mitigation](#): Guidance from the UNECE Task Force on Reactive Nitrogen” (Bittman et al., 2014). However, the guidance document is now more than 12 years old. This means that the present revision needs to consider many advances in ammonia mitigation made over the last decade. Furthermore, the input by the workshop may inform the ongoing revision of the Gothenburg Protocol.

Objectives

The objectives of the workshop are:

- To allow experts from the UNECE Task Force on Reactive Nitrogen (TFRN) to test the content of the draft revision of the guidance document with a wide range of experts and stakeholders, leading to improvements and inclusion of new information.
- To ensure that the key issues in the revised guidance document are as far as possible resolved.
- To agree a plan of action for completing the revised UNECE guidance document (during 2025), for consideration by the Air Convention during 2026.

Further benefits

The workshop is also expected to be useful in:

- Building consensus with stakeholders that ammonia mitigation is doable and can contribute to a broader approach to integrated sustainable nitrogen management.
- Fostering discussion about the most cost-effective measures ('low hanging fruit'), which can help save €billions worth of wasted N resources.
- Preparing the way for further work by TFRN during 2025-2026 on the costs and benefits of ammonia mitigation.
- Improving mutual understanding between those countries and stakeholders who have already halved ammonia emissions, and now face challenges to reduce emissions further, versus those countries who are only just beginning, with a focus on the low-hanging fruit.
- Informing wider thinking on ammonia options between experts and stakeholders in the context of upcoming revision of the Gothenburg Protocol.

Workshop Time and Place

- The workshop runs from 13:30 on Monday 23 June until 13:00 on Wednesday 25 June.
- The workshop venue is European Commission, DG-ENV, [BRE2 Building](#), Avenue de Auderghem 19, Brussels, Belgium. Remote participation will also be offered via webex. Links will be shared with the participants.

Registration

- Details to be provided by the host (European Commission). For now, please express your interest on the TFRN form:
<https://events.au.dk/uneceexpertworkshoponmitigatingammoniaemissionsfromagriculture> (remark this information will be shared with the EU- Commission)

Practical Details

- Coffee/tea will be offered by the host during breaks.
- Lunch is going to be free and can be taken either at the Commission premises, or in one of the many restaurants in the area.
- A conference dinner will be organized on the evening of the 24 June at a convenient location. Participation is voluntary and participants are expected to pay on their own.
- For any practical information please contact: ENV-U44-ARES@ec.europa.eu

Practical Details

- We leave you to find your own accommodation. You may find hotels in the vicinity of the meeting place on the [Brussels Map](#). For example, nearby hotels include:
 - Hotel NH Brussels EU Berlaymont, Boulevard Charlemagne.
 - New Hotel Charlemagne, Boulevard Charlemagne.
 - Martin's Brussels EU, Boulevard Charlemagne.
 - Holiday Inn Brussels – Schuman, Rue Breydel.
 - Sofitel Brussels Europe, Pl. Jourdan.
- Please note that we are not offering any hotel recommendations, but you may consider them as options within a certain area of the city.

2025-06-23 (Monday) (Where two speakers are listed, they need to agree which one presents)

Section	Chair(s)	Time (CEST)	Duration (minutes)	Speaker(s)	Topic	Note
Welcome and opening (plenary)	Tommy Dalgaard (tbc)	13:30	10	François Wakenhut, DG ENV Head of Clean Air and Urban Policy Unit	Welcome and opening address	
	-	13:40	15	Mark Sutton	Ammonia opportunities and purpose of the workshop	
		13:55	10	Isidro Campos Rodriguez, DG AGRI	Ammonia mitigation in relation to common agricultural policy	
		14:05	10	Luisa Samarelli, DG-ENV, Deputy Head of Unit - Industrial Emissions and Safety	Ammonia mitigation and the industrial emissions directive	
		14:15	10	European Environmental Bureau, representative	Benefits of ammonia mitigation and Gothenburg Protocol opportunities	
		14:25	10	Farmer perspectives (speaker to be confirmed)	Experience and outlook for ammonia mitigation	
		14:35	10		<i>Clarification & discussion</i>	
Chapter presentations (plenary)	Shabtai Bittman & Barbara Amon (tbc)	14:45	10	Alberto Sanz Cobeña & Rasmus Einarsson (online)	Chapters 1-2: Introduction and systems	
		14:55	10	Martin Weisbjerg (tbc)	Chapter 3: Livestock feeding	
		15:05	5		<i>Clarification & discussion</i>	
		15:10	10	Anders Peter Adamsen (tbc) & Peter Kai (tbc)	Chapter 4: Livestock housing	
		15:20	10	Laurence Loyon (tbc) & Sebastian Wulf (tbc)	Chapter 5: Manure treatment & processing	
		15:30	5		<i>Clarification & discussion</i>	
BREAK		15:35	30	-	-	
Chapter presentations continued		16:05	10	Paria Sefeedpari (tbc) & Karin Groenestein (tbc)	Chapter 6: Manure storage	
		16:15	10	Johanna Pedersen (tbc) & David Pelster (tbc)	Chapter 7: Manure application	
		16:25	5		<i>Clarification & discussion</i>	
		16:30	10	Andreas Pacholski (tbc) & Nick Hutchings (tbc)	Chapter 8: Synthetic fertilizer application	
		16:40	10	Mélynda Hassouna (tbc) & Jesper Kamp (tbc)	Annex A: Measurement methods	
		16:50	5		<i>Clarification & discussion</i>	
Preparation for Day 2	Mark Sutton	16:55	10	Johanna Pedersen (tbc) & Jesper Kamp (tbc)	Introduction to parallel groups	
		17:05	15		<i>General Discussion</i>	
END OF DAY 1	-	17:20	0	-		

2025-06-24 (Tuesday) Parallel sessions

Section	Chair(s)	Time (CEST)	Duration (minutes)	Speaker(s)	Topic	Note
Parallel room 1	Chairs: Anders Peter Andersen & Barbara Amon Rapporteur: tbc	09:00	180	-	GROUP 1: Chapter 4: Animal housing	Shabtai Bittman present
Parallel room 2	Chairs: Paria Sefeedpari & Jesper N. Kamp Rapporteur: tbc			-	GROUP 2: Chapter 6: Manure storage	Jesper Kamp present
Parallel room 3	Chairs: Shabtai Bittman & Johanna Pedersen Rapporteur: tbc.			-	GROUP 3: Chapter 7: Manure application to land	
Parallel room 4	Chairs: Mark Sutton & stakeholder (tbc) Rapporteur: tbc			-	GROUP 4: Chapters 1-2: Systems, overarching opportunities & challenges	Alberto Sanz & Rasmus Einarsson present remotely
LUNCH	-	12:00	90	-	-	
Parallel room 1	Chairs: tbc (monogastric) + (ruminant experts). Rapporteur: tbc	13:30	180	-	GROUP 1: Chapter 3: Animal feeding	Nadège Edouard unable to attend
Parallel room 2	Chairs: Sebastian Wulf & Laurence Loyon Rapporteur: tbc			-	JOINT SESSION GROUPS 2 & 3: Chapter 5: Manure treatment & processing	
Parallel room 3	Chairs: Andreas Pacholski & Shabtai Bittman Rapporteur: Nick Hutchings			-	GROUP 3: Chapter 8: Synthetic fertilizer application	
Parallel room 4	Chairs: Mark Sutton & stakeholder (tbc)			-	GROUP 4: to be continued as needed. (then room free for breakouts)	
Parallel room 1	Tbc	16:30	30	Chapter lead authors	Chapters 3 & 4: Closing remarks	
Parallel room 2	Tbc			Chapter lead authors	Chapter 5 & 6: Closing remarks	
Parallel room 3	Tbc			Chapter lead authors	Chapter 7 & 8 Closing remarks	
Parallel room 4	Tbc			-	Free for ad hoc breakout groups	
Close of parallel sessions		17:00				
Conference Dinner	-	19:00	0	-	-	

2025-06-25 (Wednesday) Plenary session

Section	Chair(s)	Time (CEST)	Duration (minutes)	Speaker(s)	Topic	Note
Welcome and opening	Mark Sutton & co-chair (tbc)	09:00	10	Mark Sutton	Opening of Day 3	
Reporting back from parallel sessions		09:10	10	Chapter lead authors	Report from Ch 1 & Ch 2	
		09:20	20	-	<i>Discussion</i>	
		09:40	10	Chapter lead authors	Report from Ch 3 & Ch 4	
		09:50	20	-	<i>Discussion</i>	
		10:10	10	Chapter lead authors	Report from Ch 5 & Ch 6	
		10:20	20	-	<i>Discussion</i>	
		10:40	10	Chapter lead authors	Report from Ch 7 & Ch 8	
		10:50	20		<i>Discussion</i>	
BREAK	-	11:10	30	-	-	
Abatement Costs & Benefits		11:40	10	Wilfried Winiwarter (tbc) & Zbigniew Klimont (tbc)	Presentation on costs & benefits	
		11:50	20	-	<i>Discussion on costs & benefits</i>	
Closing discussion	Mark Sutton	12:10	40	-	General discussion in relation to Gothenburg Protocol revision	
		12:50	5	Penny Dilara	Reflection and policy outlook	
Next steps		12:50	5	Mark Sutton	Close of Workshop	
END OF WORKSHOP		13:00				