

**TFRN-13: Thirteenth Meeting of the Task Force on Reactive Nitrogen  
with a special focus on  
"Progress on ammonia in the context of the Gothenburg Protocol"**



**11-12 October, 2018, Diefenbaker Building, Ottawa**

**Agenda for 11th October 2018: Progress on ammonia in the context of the Gothenburg Protocol**

**Session A: Introduction; Chair - Tommy Dalgaard**

08:30-08:45	Opening Address <i>Jennifer Kerr, Environment and Climate Change Canada &amp; Chair of UNECE WGSR</i>
08:45-09:00	Update from UNECE Secretariat <i>Alina Novikova, UNECE</i>
09:00-09:15	Update on TFRN and current links to INMS, including in the context of ammonia mitigation, <i>Mark Sutton, INMS, INI &amp; Co-Chair of TFRN</i>
09:15-09:30	Report from the Workshop on Ammonia: A North American Context, <i>Maygan McGuire, Environment and Climate Change Canada</i>
09:30-09:45	Discussion

**Session B: Presentations on national perspectives on ammonia mitigation, emergence of policies and latest measurements, Europe & UNECE;  
Chair - Cláudia Cordovil**

09:45-10:00	Denmark: Efficiency of ammonia regulation at different scales, <i>Jesper Bak, Aarhus University &amp; Vice-chair of UNECE WGE</i>
10:00-10:15	ALFAM2: a database and model for ammonia emission from field-applied slurry, <i>David Pelster on behalf of Sasha Hafner, Agriculture and Agri-Food Canada</i>
10:15-10:30	Germany: National experiences on ammonia mitigation and implementation of the Gothenburg Protocol, <i>Till Spranger, German Federal Ministry of the Environment, Nature Conservation and Nuclear Safety</i>
10:30-11:00	Refreshments Break
11:00-11:10	Referral of the French health and environmental agency on inhibitors used in agriculture: presentation and discussions, <i>Lionel Launois, French Ministry of Agriculture</i>
11:10-11:25	Ireland: National experiences on ammonia mitigation and implementation of the Gothenburg Protocol, <i>Avril Rothwell, Irish Ministry of Agriculture, via weblink</i>
11:25-11:40	EPN-EECCA Focus: Status of ammonia policy and implementation in EECCA region, <i>Natalia Kozlova, Institute for Engineering and Environmental Problems in Agricultural Production (IEEP - branch of FSAC VIM)</i>
11:40-12:00	Discussion
12:00-13:00	Lunch

**Session C: Presentations on national perspectives on ammonia mitigation, emergence of policies and latest measurements, EECCA and South Asia; Chair - Mark Sutton**

13:00-13:15	South Asia: Overview of Nitrogen in South Asia, <i>Tapan Adhya, KIIT University</i>
13:15-13:30	Bangladesh: Dynamics of ammonium nitrogen in soils under different management practices in Bangladesh <i>Mizanur Rahman, Bangabandhu Sheikh Mujibur Rahman Agricultural University</i>
13:30-13:45	India & Canada: Advancing knowledge on ammonia in the atmosphere contrasting Canada & India, <i>Saumya Singh, University of Toronto</i>
13:45-14:00	China: The underestimated ammonia emission and the potential of ammonia mitigation in China, <i>Xiuming Zhang, University of Melbourne</i>
14:00-14:15	Discussion

**Session D: Presentations on regional and global perspectives on ammonia mitigation, emergence of policies and latest measurements, including partnership projects and industry; Chair - Tommy Dalgaard**

14:15-14:30	Reducing Ammonia Losses on the Farm Through Fertilizer Best Management Practices, <i>Lara Moody, The Fertilizer Institute</i>
14:30-14:45	4R Nutrient Stewardship for the Mitigation of Ammonia Losses, <i>Tom Bruulsema, International Plant Nutrition Institute</i>
14:45-15:00	European Commission: Ammonia progress in the European Union, <i>Ronald Wolters, European Commission / DG Environment</i>
15:00-15:30	Refreshments Break
15:30-15:45	FAO: Guidelines for quantification of nutrient flows and associated environmental impacts, <i>Aimable Uwizeye, FAO</i>
15:45-16:00	Portuguese strategy to comply with the Nitrates and the ceilings Directive, <i>Cláudia Cordovil, NitroPortugal</i>
16:00-16:15	Spatializing N surplus in the Tagus NVZ. Efficacy of measures, <i>Rosário Cameira, NitroPortugal</i>
16:15-16:30	Discussion

**Session E: Discussion and Wrap-up; Chair - Mark Sutton**

16:30-17:00	Discussion & Wrap-up
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**Agenda for 12th October 2018: Focus on management of N in agriculture/TFRN updates and Workplan discussions**

**Session A: Focus on management of N in agriculture, TFRN & INMS; Chair - Cláudia Cordovil**

08:30-08:45	Update on the work of EPMAN, <i>Shabtai Bittman</i>
08:45-09:00	Lignite reduces NH <sub>3</sub> emissions from cattle manure, <i>Mei Bei, University of Melbourne</i>
09:00-09:20	Best available techniques for intensive livestock farming in Russia: Results of a joint German-Russian Project & Recommendations for Action and Illustration of Abatement Techniques for Ammonia <i>Gabriele Wechsung, German Environment Agency (UBA)</i>
09:20-09:35	Progress with developing a joint guidance document and supporting database – INMS Activity 2.3, <i>Will Brownlie, INMS</i>
09:35-10:00	Discussion: EPMAN & INMS A2.3, strategies and synergies

**Session B: Updates from TFRN panels; Chair - Tommy Dalgaard**

10:00-10:15	Brief update on EPNF, <i>Cláudia Cordovil, TBC</i>
10:15-10:30	Brief update on EPN-EECCA, <i>Natalia Kozlova</i>
10:30-11:00	Refreshments Break
11:00-11:15	Brief update on EPNB, <i>Wilfried Winiwarter, (tbc, via web)</i>
11:15-12:00	Discussion
12:00-13:00	Lunch

**Session C: TFRN Workplan and Future Development; Chair - Mark Sutton**

13:00-13:45	Present the current TFRN workplan, <i>Tommy Dalgaard</i>
13:45-14:30	Review the TFRN Workplan, agree priority activities and who will act on them, items to consider include: <ul style="list-style-type: none"> <li>o Process for updating information on emission inventories and improved emissions factors</li> <li>o Keeping up to date with development of National Ammonia Codes</li> <li>o What are we missing?</li> <li>o Where are there synergies and are we making the most of them?</li> </ul>
14:30-15:00	Refreshments Break

**Session D: Wrap-up and close; Chair - Tommy Dalgaard**

15:00-16:00	Discussion and note of actions and agreements
16:00	Close of TFRN-13