Finalizing the UNECE Guidance Document on Integrated Sustainable Nitrogen Management

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UNECE Task Force on Reactive Nitrogen

INMS

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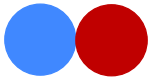
What are the main nitrogen forms?

Ammonium (NH_4^+)

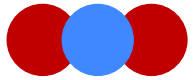
Di-nitrogen (N_2)

Ammonia (NH_3)

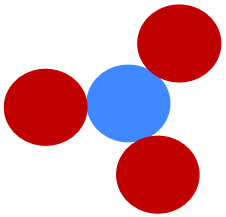
Nitric oxide (NO)



Nitrogen dioxide (NO_2)



Nitrates (NO_3^-)



Nitrous Oxide (N_2O)

How can the Draft Guidance Document support parties to the Geneva Air Convention?

- Complements the Ammonia Guidance, which is still valid
- Supports parties in managing the many impacts of wasted nitrogen for multiple societal benefit
- Illustrates how action on air pollution has co-benefits for climate, water, biodiversity, health, economy
- Identifies *24 principles* to help parties understand and tailor solutions
- Summarizes *76 measures* and their performance for abatement of different N forms
- Illustrates how to develop *Packages of Measures* to improve coherency

Development of the Guidance Document

- Identification of need 2014-2015
  - Listing of principles
  - Performance of measures for the main N forms
- 1st and 2nd drafts at Brussels Workshops inc. stakeholder engagement (2016, 2019)
- Review by TFRN members (Jan-March 2020)
- e-review by WGSR (April-May 2020)
- Submission for translation (July 2020)
- e-pre meeting for WGSR members (Nov 2020)

Future Opportunities

The Guidance Document is advisory

- Provides options to support Parties
- Future opportunity to develop supporting e-tools

The Guidance Document can support parties as they consider future ambitions

- UN Environment Assembly Resolution (UNEP/EA.4/Res.14)
- Colombo Declaration (Oct 2019) ambition to halve nitrogen waste, offering global saving of $100 billion annually
- Better nitrogen management as a contribution to post-COVID economic recovery & 2030 Sustainable Development Goals
- Can inform review of the Gothenburg Protocol