

## 2018-2019 Workplan for the Task Force on Reactive Nitrogen

### 2. Policy

#### 2.2 Techno-economic issues

Workplan item	Activity description/objective	Expected outcome/deliverable	Lead body(ies)	Resource requirements and/or funding source
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#### *B. Collection and analysis of data and further development of methodologies*

2.2.5	Examine costs and benefits of ammonia and other nitrogen emission abatement measures to improve the understanding of health-, climate- and environment-related linkages for nitrogen	Cost data on the effectiveness of ammonia and other nitrogen emission abatement measures provided by CIAM Further updates on already approved and published framework code on ammonia abatements will be carried out dependent on the resources available. Documents and information from the TFRN home-page will be shared with the clearing house of TFTEI (on abatement technologies). It will be investigated if the TFRN web-page can be restructured to be nested with the International Nitrogen Management System project (INMS) page.	Task Force on Reactive Nitrogen	US\$ 120,000 <sup>b</sup>
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#### 2.3 Nitrogen

#### *A. Development and promotion of guidance and reference documents*

Workplan item	Activity description/objective	Expected outcome/deliverable	Lead body(ies)	Resource requirements and/or funding source
2.3.1	Further disseminate the publication of guidance document on preventing and abating ammonia emissions from agricultural sources (ECE/EB.AIR/120)	Publication disseminated and promoted in ECE member States. Ongoing national initiatives on an independent basis will be collected and conveyed to the relevant national bodies. Updates and additions to the website will be carried out dependent on time and resources availability. The aim is to develop a living guidance document, accessible via internet.	Task Force on Reactive Nitrogen through its national focal points	US\$ 15,000 <sup>b</sup>
2.3.2	Prepare and disseminate the publication on nitrogen budgets with its annexes. Organize workshop to improve awareness and understanding	Publication of guidance document on national nitrogen budgets (ECE/EB.AIR/119); improved understanding of national nitrogen budgets (through a workshop). The organization of the launch workshop is resource dependent, and can lead to a joint TFRN/INMS publication (> 100 pages), following a further development of the annexes.	Task Force on Reactive Nitrogen (+ possible joint activity and funding from INMS)	US\$ 45,000 for workshop <sup>b</sup> US\$ 10,000 from INMS for publication.
2.3.3	Further disseminate the ECE Framework Code for Good Agricultural Practice for Reducing Ammonia Emissions (ECE/EB.AIR/129) and the related publication and work with national focal points to support its implementation	Independent country initiatives supported by TFRN will take place in some countries, aiming to increase the number of Parties to the Gothenburg Protocol having established a National advisory code on good agricultural practice to control ammonia emissions in line with the Gothenburg Protocol (as mapped in a survey over existing National Ammonia Codes, NACs). Ongoing, additions to TFRN website is planned, but with resources needed	Task Force on Reactive Nitrogen and its Expert Panel on Mitigation of Agricultural Nitrogen	Covered by Denmark and Portugal with support from national focal points

		to feed the website and keep it updated.		
2.3.4	Initiate the development of an ECE guidance document that describes a joined up approach to nitrogen management in agriculture and illustrates its co-benefits	Draft guidance document on nitrogen mitigation in agriculture taking into account synergies between ammonia, nitrates, nitrous oxide and other nitrogen compounds (including a related workshop). Basis provided to start establishment of a “top ten” list of options for nitrogen mitigation measures. A follow-up is planned, to the workshop in Brussels, October 2016, funded by DG Environment. Background documents will be delivered in advance of meeting, and Formal outcomes from the meeting in the form of an ECE guidance document, linked to INMS activity 2.3..	Task Force on Reactive Nitrogen	US\$ 195,000 (including workshop)b  (Co-funded with INMS activity 2.3)
<b><i>B. Collection and analysis of data; development and refinement methodologies and new approaches</i></b>				

2.3.5	Continue to provide technical information on making and using nitrogen budgets	<p>Summary document on benefits of establishing a national nitrogen budget with examples for countries submitted to the Executive Body. Facilitation that countries feed-back on their experiences.</p> <p>A Nordic country report will be published, reviewing N mitigation policies and benefits of budgeting exercises, similar to German activities.</p> <p>Piloting the reporting of national nitrogen budgets with selected countries facilitated.</p> <p>Framework for establishing nitrogen budgets, nitrogen compounds and nitrogen-use efficiency submitted to EMEP</p>	Task Force on Reactive Nitrogen	With support from Denmark, Portugal and CIAM and in cooperation with CEIP (additional resources are required to support piloting the reporting of national nitrogen budgets)
2.3.6	Collect and assess information from national focal points regarding their experiences in developing and implementing an integrated approach at Task Force meetings and workshop(s) on implementation of the Gothenburg Protocol, in partnership with other regional nitrogen organizations	Workshop and annual Task Force reports to the Working Group on Strategies and Review with policy-relevant messages and recommendations	Task Force on Reactive Nitrogen	US\$ 50,000 (attendance of representatives/ experts from Eastern Europe, the Caucasus and Central Asia and workshop) in addition to partial coverage from contribution by Denmark, Portugal and Germany.
<b><i>C. Outreach to other communities, regions and cooperation with other organizations</i></b>				

2.3.7	International framework for nitrogen management linking Convention activities with other conventions at the global scale, including understanding of linkages of air, water, climate and biodiversity targets in liaison with the UNEP Global Programme of Action for the Protection of the Marine Environment from Land-based Activities (GPA), the Global Partnership on Nutrient Management, and OECD	Input to the implementation of a global research programme on the nitrogen cycle, in cooperation with GPA, positioning ECE analysis in the global context -further development of the INMS (International Nitrogen Management System). The INMS project include a special East Europe demonstration study to be coordinated with the EPN-EECCA Panel.	Task Force on Reactive Nitrogen	Covered by contribution from the Global Environment Facility (GEF) <sup>b</sup>
2.3.8	Develop and apply indicators of biodiversity targets in cooperation with the Convention on Biological Diversity (CBD) and the International Nitrogen Initiative	Nitrogen indicators in relation to biodiversity provided to CBD for inclusion in Aichi target-monitoring process	Task Force on Reactive Nitrogen, ICP Modelling and Mapping	Covered by contribution from GEF <sup>b</sup> , where resources are included in the INMS.
2.3.9	Provide nitrogen-use indicators (e.g., nitrogen-use efficiency) related to multiple indicators of environmental quality, including water quality	Nitrogen-use indicators for selected transboundary water basins provided in cooperation with the ECE Convention on the Protection and Use of Transboundary Watercourses and International Lakes and the Black Sea Convention with a focus on links to the planned INMS East Europe demonstration	Task Force on Reactive Nitrogen	Covered by contribution from GEF <sup>b</sup> in relation to countries of Eastern Europe, the Caucasus and Central Asia (additional funding required for other ECE subregions).
2.3.10	Provide technical information on the effects of human diets on nitrogen use and emissions and the associated synergies between environment, agriculture, health and diet	Report to the Working Group on Strategies and Review on possible synergies for linking dietary behaviour and nitrogen mitigation practices through the food system -The expert panel on Nitrogen and Food (EPNF) is working on a new reporting on the interactions between N, food, environment and health, including collaboration with the WHO.	Task Force on Reactive Nitrogen.	Partially covered by in-kind contributions (additional resources are required to examine health and environment links between the Task Force on Reactive Nitrogen, the World Health Organization and the Food and Agriculture Organization of the United Nations.

2.3.11	Provide expert advice to the regular review of the status of the national codes.	Expert advice on selected issues provided where needed -as required - contribution to the regular review on the status of the national codes on ammonia and working with parties to support them in establishing their codes by national bodies.	Task Force on Reactive Nitrogen.	Covered by Denmark and Portugal with support from national focal points.
<b><i>4. Capacity-building to promote ratification and implementation in Eastern and South-Eastern Europe, the Caucasus and Central Asia</i></b>				
<b>Workplan item</b>	<b>Activity description/objective</b>	<b>Expected outcome/deliverable</b>	<b>Lead body(ies)</b>	<b>Resource requirements and/or funding source</b>

4.1	<p>Encourage ratification and implementation of the Convention and its protocols among the target countries, in particular the EMEP Protocol, the Gothenburg Protocol, the Protocol on Heavy Metals and the Protocol on POPs, and facilitate the information exchange and cooperation through:</p> <p>(a) providing training and technical advice on the national emission inventory improvement/development and preparation of Informative Inventory Report in accordance with the Guidelines for reporting emissions and projections data under the Convention (ECE/EB.AIR/125);</p> <p>(b) providing technical advice on calculating base year emission levels and emission reduction targets, as provided for by the amended Gothenburg Protocol, and making respective projections;</p> <p>(c) advisory services to provide analysis of national air quality management policies and legislation identifying gaps with respect to the Convention and its protocols requirements, costs and benefits implied, and providing recommendations on further steps towards ratification.</p>	<p>Improved reporting and information exchange by the target countries. Workshops, consultations organized for national experts.</p> <p>Meetings with national authorities to discuss the results of the analysis and recommendations made</p> <p>-The EPN-EECCA Panel and links to the TFRN may be funded by country contributions in continuation of previously funding from Germany, and via activities planned within the INMS project.</p>	Secretariat advised by recipient countries and contributing countries	US\$ 400,000
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<sup>a</sup> Requires the provision of relevant experts.

<sup>b</sup> Subject to funding availability.