



Project Number 282910

ÉCLAIRE

Effects of Climate Change on Air Pollution Impacts and Response Strategies for European Ecosystems

Seventh Framework Programme

Theme: Environment

D24.7 Final report to the GA on networking activities

Due date of deliverable: 30/09/15

Actual submission date: 30/09/15

Start Date of Project: 01/10/2011

Duration: 48 months

Organisation name of lead contractor for this deliverable : **NERC**

Project co-funded by the European Commission within the Seventh Framework Programme		
Dissemination Level		
PU	Public	х
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (including the Commission Services)	

1. Executive Summary

During the Final ECLAIRE meeting in Edinburgh, the co-ordinator Mark Sutton presented a report on networking activities to the participants of the General Assembly, which covered the following topics (relevant slides have been copied below, for information):

- The ECLAIRE key messages which were emerging
- The ECLAIRE information delivery path highlighting the links between the science developed in the components and the end users.
- Outreach activities within the EU, including the work with the Foresight Expert Panel: JHEB *Junction of Health Environment & Bioeconomy* (Future H2020) and green week articles, etc.
- International outreach activities, such as making the links with the UNECE Convention on Long Range Transboundary Air Pollution (CLRTAP), UNEP and OECD.
- Development of the Ammonia Guidance for CLRTAP and associated Framework Code, which also supported the revision of the NEC Directive.
- Work on the 'Nitrogen on the Table' report, which highlights the influence of food choices on nitrogen emissions and the environment.
- Relevant articles in the media.
- Steps towards a future 'International Nitrogen Management System' (INMS), a sciencepolicy support system for the global nitrogen problem and the 'Towards INMS' project proposal which is currently under development.
- Visualising the linkages between International Nitrogen Policy Frameworks.

2. Objectives:

To provide a verbal report to the General Assembly on the networking activities undertaken in the project.

3. Activities:

A report in the form of a powerpoint presentation was given to the final meeting, general assembly audience, in Edinburgh, September 2015.

4. Results:

Presentation was made (see relevant slides from the presentation, below).

5. Milestones achieved:

There were no associated milestones.

6. Deviations and reasons:

There were no deviations.

7. Publications:

There were no publications directly relevant to this deliverable.

8. Meetings:

The presentation was made at the 5th and final General Assembly, which was held in Edinburgh, 1st-4th September.

9. List of Documents/Annexes:

Relevant slides are copied below, in Annex 1.

Annex 1: Relevant slides presented at the 5th GA.

ECLAIRE Key message

"The emerging message is that climate change will worsen the threat of air pollutants on Europe's ecosystems:

- Climate warming is estimated to increase the emissions of many trace gases, such as ammonia (NH₃), soil emissions of nitrogen oxides (NO_x) and important biogenic volatile organic compounds (BVOCs). These effects would increase ground-level concentrations of NH₃, NO_x and ozone (O₃), particles (PM_{2.5}) as well as atmospheric nitrogen deposition.
- Climate warming may increase the vulnerability of ecosystems towards air pollutant exposure or atmospheric deposition. Such effects may occur as a consequence of combined perturbation, as well as through specific interactions, such as between drought, O₃, N and aerosol exposure."

Annex





Full report to be launched in the summer

Executive Summary out already

Nitrogen on the Table

The influence of food choices on nitrogen emissions and the European environment.



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Westhoek et al., 2014



Toward the International Nitrogen Management System (INMS)

- · Initiative with United Nations Environment Program (UNEP)
- Toward a global science-policy support framework for nitrogen, addressing multiple co-benefits
- Engage with countries, industry, civil society in cooperation with UNEP, LRTAP, Marine Conventions FAO etc
- Linking the economic, environmental, food and energy benefits of better Nitrogen Use Efficiency
- ECLAIRE scientists taking the lead
- What should the EU contribution look like?



