Impact assessments for air pollution policy and nature conservation policy-WG3

To assess nitrogen and ammonia deposition by means of monitoring
Overview

• Current Monitoring of N depositions in Flanders (Belgium)

• Life + proposal: IPSAHEDA
N in Flanders
Total nitrogen deposition
What is the problem?
Ammonia emission density in Europe (De Vries et al, 2011)
Life + IPSAHEDA

Instruments for Policy Support in Areas with High Emission Densities of Ammonia
VMM+INBO+RIVM

Final objective

- develop a local modelling tool
- develop a region-wide modelling tool

These tools can assess the impact of ammonia emission changes on the exceedance of critical loads for eutrophication in Natura 2000 areas
D1: DISSEMINATION

Action B1
Local Policy tool to assess impacts

Action B2
Region-wide tool to map exceedance of critical loads

Action B3
Survey on Ammonia: Policy requirements

Action B4
Sampling design
Sampling project context
Monitoring network requirements
Sampling program context

E1: MANAGEMENT

Action C1
Monitoring the impact

Measuring
B5 High time resolution ammonia
B6 Particulate ammonium
B7 Improving dry deposition estimates of ammonia

Modelling
B8 Harmonisation (VL)OPS model
B9 Validation/calibration (VL)OPS
Are there any questions?

Thank you for your attention!

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