Nitrogen and Natura2000

Dutch approach for dealing with this challenge
Introduction

- Article 6.3 of HD: assessment of implications for Natura 2000 sites
- 117 of 161 Natura2000 sites excessive input of nitrogen
- Difficult for individual project developers to show “no negative impact”
- Annulment of permits
Integrated approach to nitrogen

Reduction in nitrogen deposition

Scope for development

Ecological restoration measures
How does the approach work?

- Reduction in nitrogen deposition
- Distribution of the room for economic growth / deposition
- Restoration measures
- Ecological assessment for each site
- Supported by AERIUS a user-friendly online calculation tool
- Monitoring and adjustment
Additional measures to reduce nitrogen emissions

• Low-emission housing systems
• Feed and management measures
• More stringent low emission application requirements (manure)
Room for development

![Bar chart showing national average deposition (mol/ha/year) from 2014 to 2030. The chart includes:

- Green bars representing room for deposition from supplementary agriculture measures.
- Brown bars representing room for deposition at economic growth of 2.5%.
- Blue bars representing deposition of existing activities associated with nitrogen emissions.

Source: AERIUS Monitor 14.2]
Distribution room for development

- Autonomous growth
- Below the limit value
- Without permit
- With permit
- Scope for development of priority projects
- Free room for development
Restoration measures

- Restoration strategies for each of the 69 nitrogen-sensitive habitats
- Internationally reviewed as effective strategies
- Validated management approach and ecological assessment
Monitoring and adjustment

- Nature quality
- Restoration measures
- Emissions and depositions
- Economic development
AERIUS

- Distribution and deposition of nitrogen
- Combination of deposition maps and habitat maps
- Three main products:
  - Monitor
  - Calculator
  - Register

www.aerius.nl
Summary