

Thematic Strategy on Air Pollution & Importance of an integrated approach for Nitrogen management

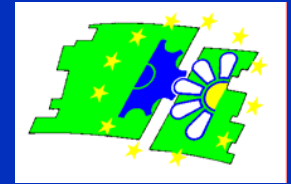
The Causal Relations of Nitrogen in the Cascade

Braunschweig – 21 November 2005

Michel SPONAR, DG Environment - Unit C1



Background



Thematic Strategy on air pollution: Communication adopted in September 2005, 6th Environmental Action Program: “*No significant negative effects of air pollution on human health and the environment*”

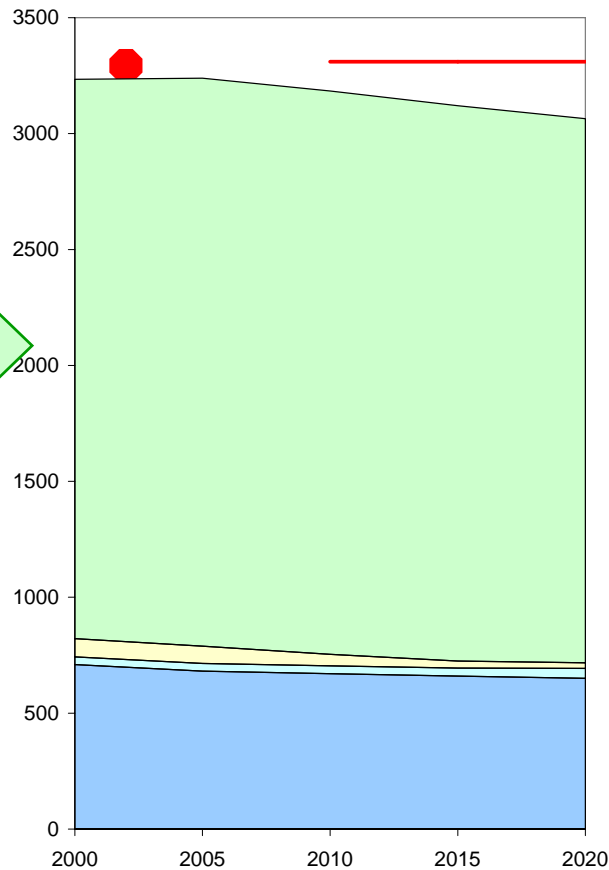
The “Clean Air for Europe programme”: long-term, integrated policy advice. Integrated assessment modelling, ex-post Evaluations, Health impact review (WHO), costs and benefit analysis, stakeholder involvement

NH₃ emissions

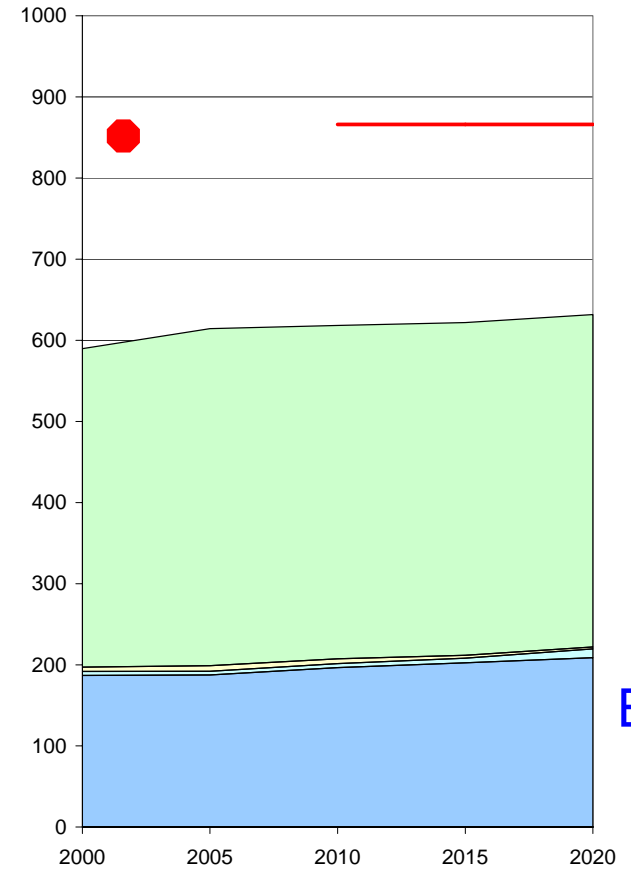
“Pre-CAP reform” scenario [kt]



Cattle:35%
Pig/poultry:40%



EU-15

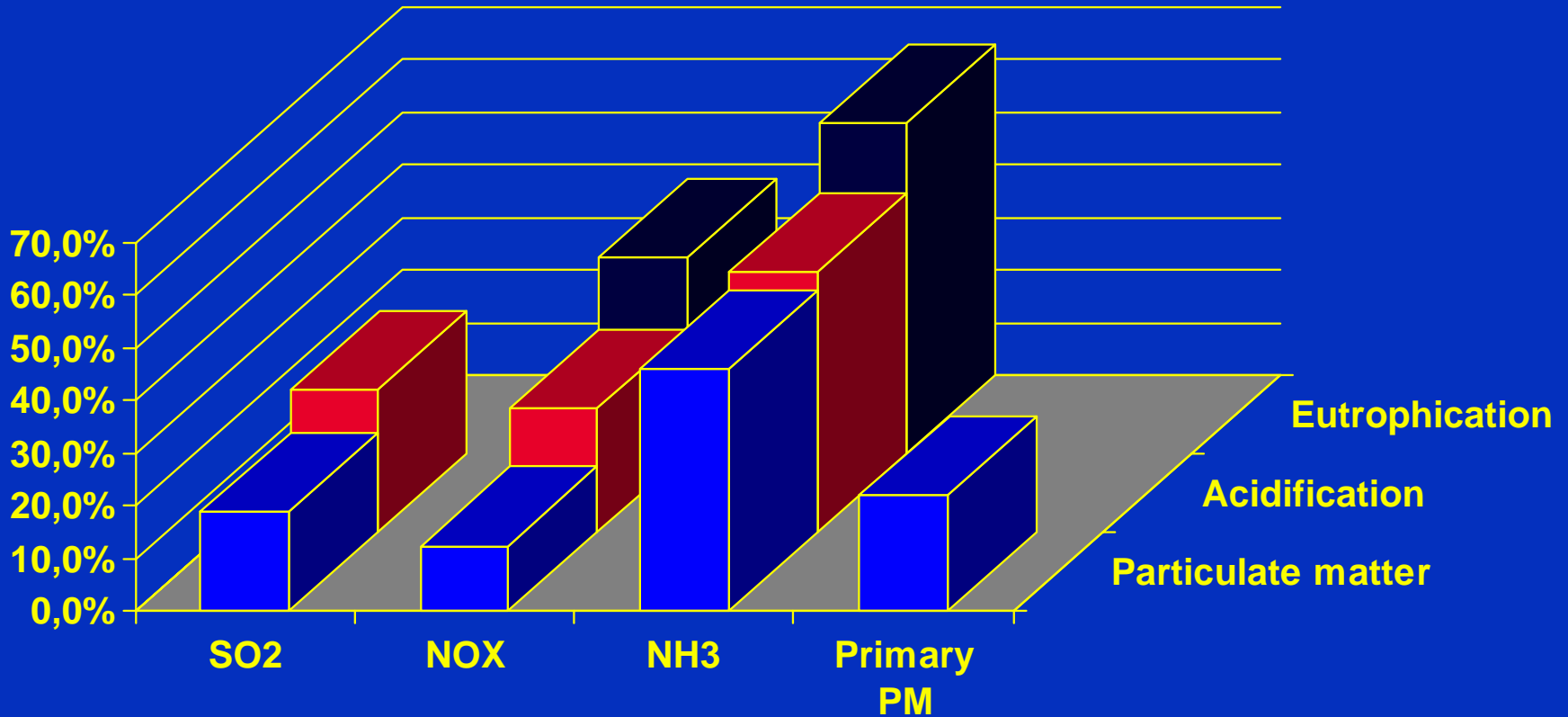
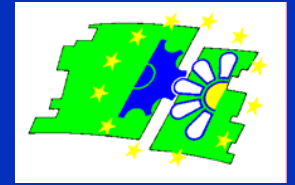


EU - 10

- Power generation
 - Industry
 - Domestic
 - Transport
 - Agriculture
 - N Mineral Fertilizer
- NEC emission ceiling



Fractional contribution of primary pollutants to the effects in 2020





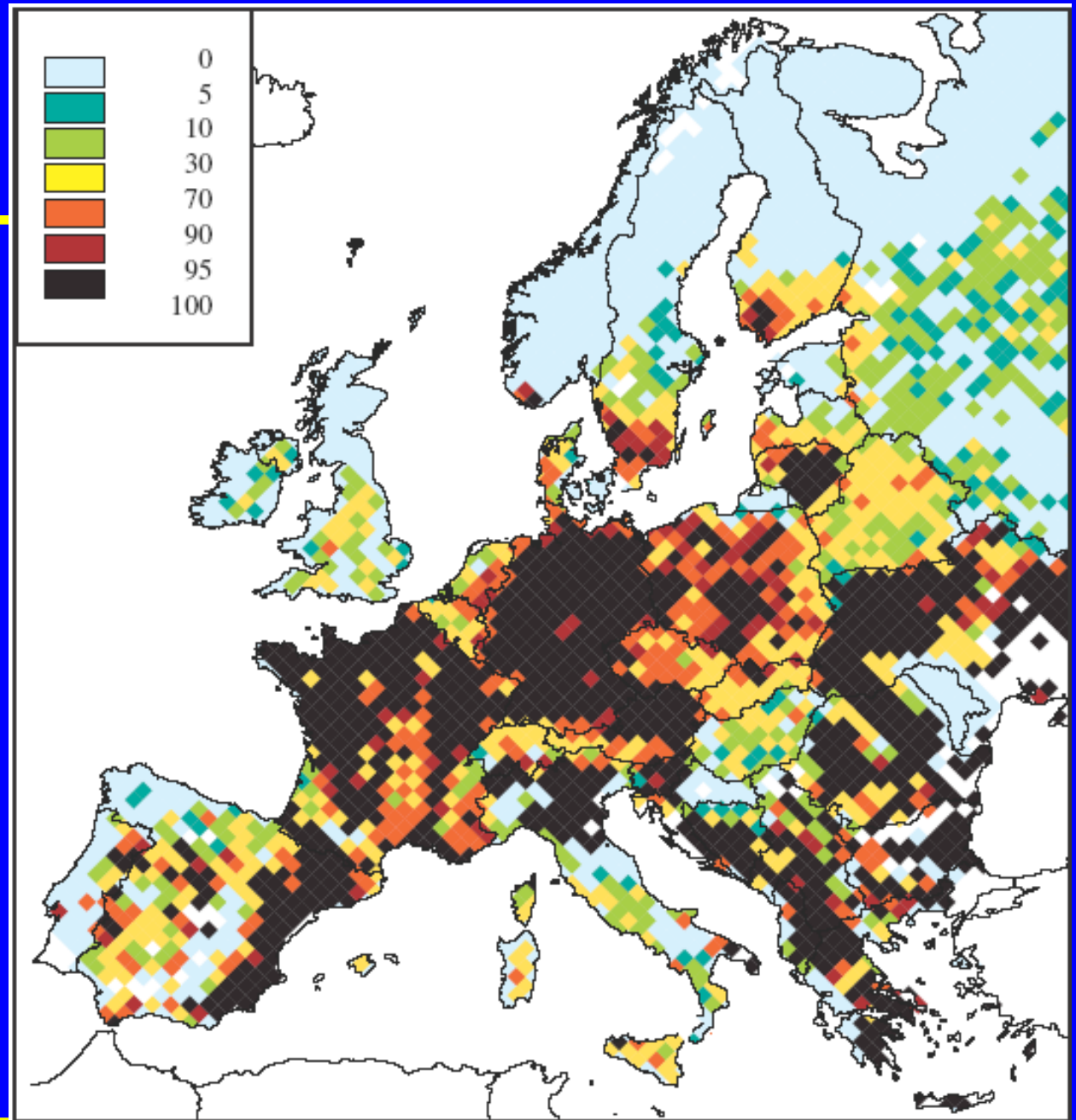
**Problem of too much
nitrogen deposited to
nature in 2020**

***No EU policies have yet
addressed this***

**Ecosystem area
exceeded eutrophication
590 000 km²**

Percentage of
ecosystems area with
nitrogen deposition
above critical loads
using grid-average
deposition.

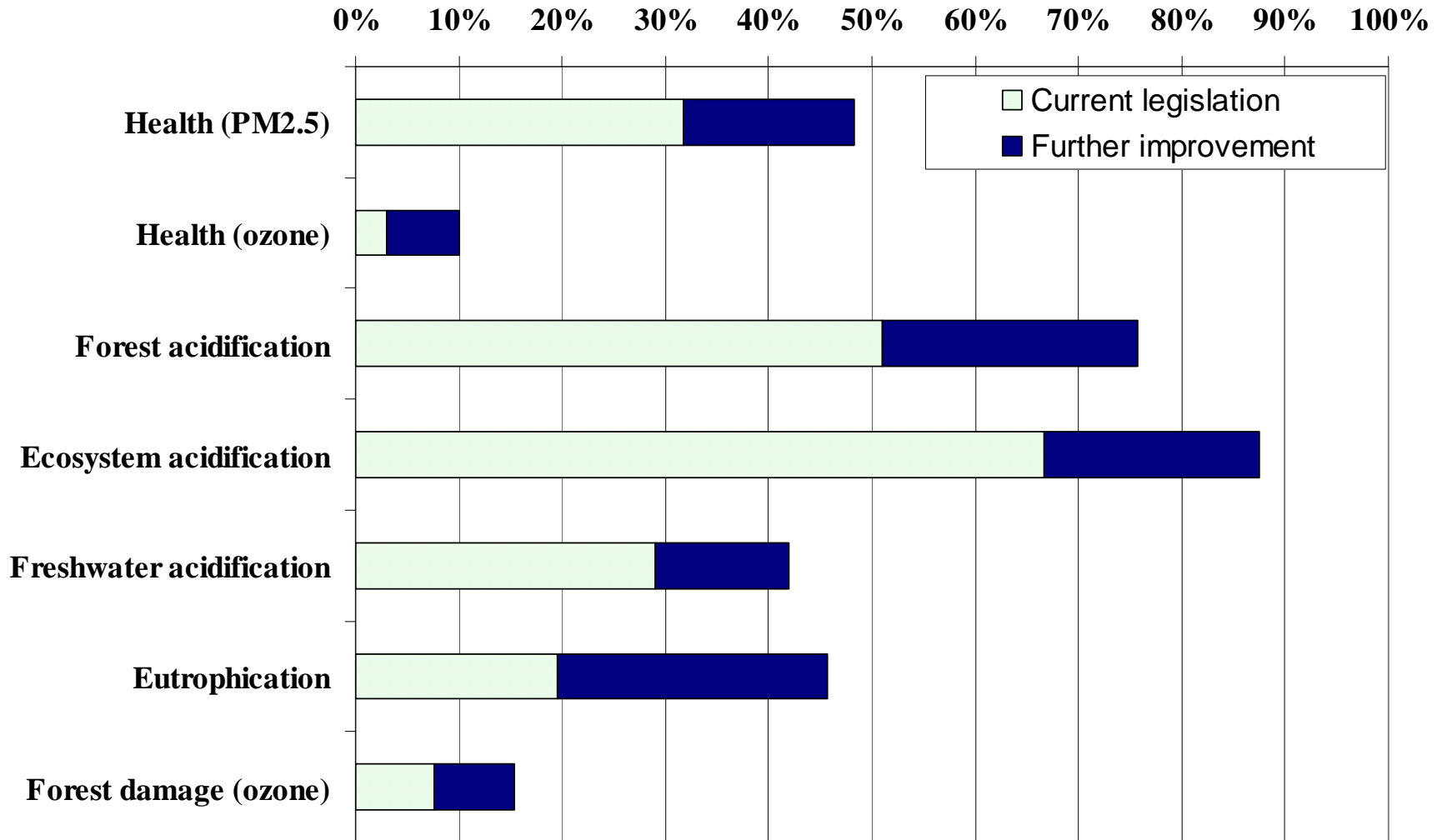
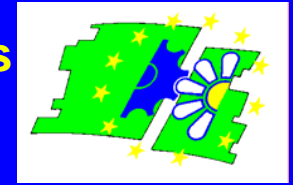
Calculation for 1997
meteorology

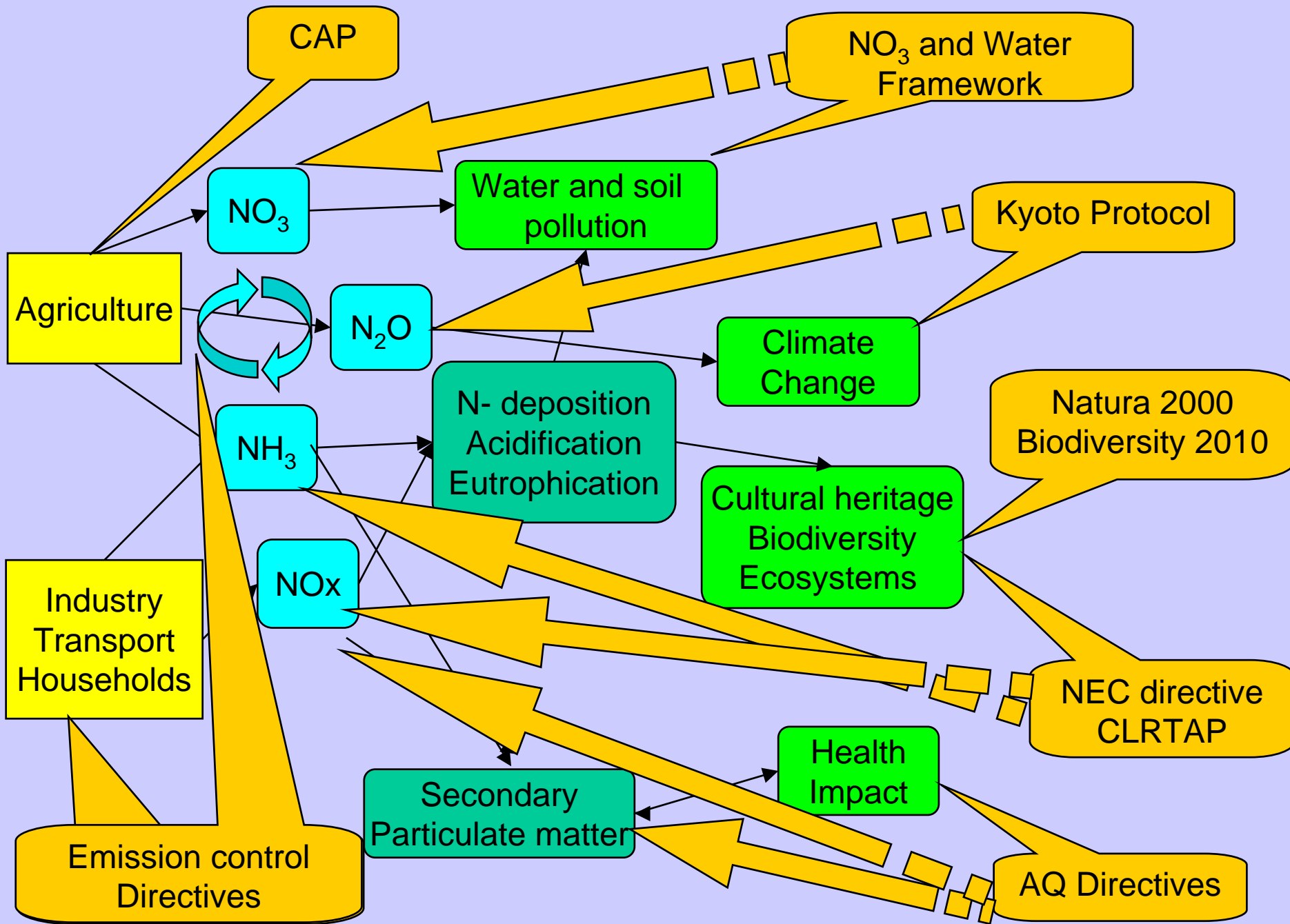


Source: Clean Air for Europe Programme (2005)



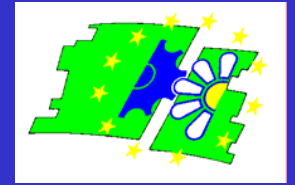
Improvement of health & environment indicators following the Strategy (improvement relative to 2000)







Thematic Strategy : Proposals

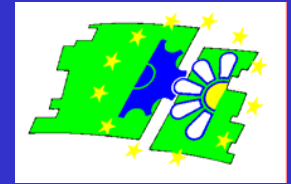


Principle: “Absolute necessity of an integrated approach of the N-cycle and related instruments”

➔ Identify/promote all measures reducing N-Excess in Agriculture (animal feeding, N fertiliser), ensure consistency between various instruments = “Background” of the proposals”



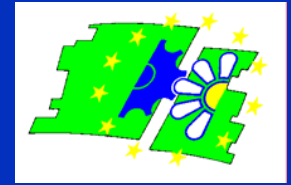
Thematic Strategy : Contents



1. Definition of a level of ambition for health, eutrophication, acidification and ozone
2. Adaptation of the NEC ceilings accordingly, review in 2006
3. **New Guidelines** for ammonia applicable at farm level
4. Revision of the IPPC Directive thresholds/ sectors: feasibility of introduce cattle farming and new thresholds for pig and poultry, review foreseen in 2006/2007
5. Rural Development (20% of CAP budget): eligibility of measures reducing NH₃ emissions in an integrated way – national plans to drafted in 2006
6. Favour research : links biodiversity/Critical load, N- deposition and water/soil quality



Background



Study on “Integrated measures to reduce ammonia from Agriculture”, Objectives:

- Assess impact of various set of measures on Nitrate, WFD, NEC and CC policies
- Analyse existing EU and International instruments
- Identify and assess the most promising measures
- Impact assessment of a possible extension of the IPPC directive

Deadline: start in December 2005 – final report 13 months after

More information:

<http://europa.eu.int/comm/environment/air/cafe/index.htm>