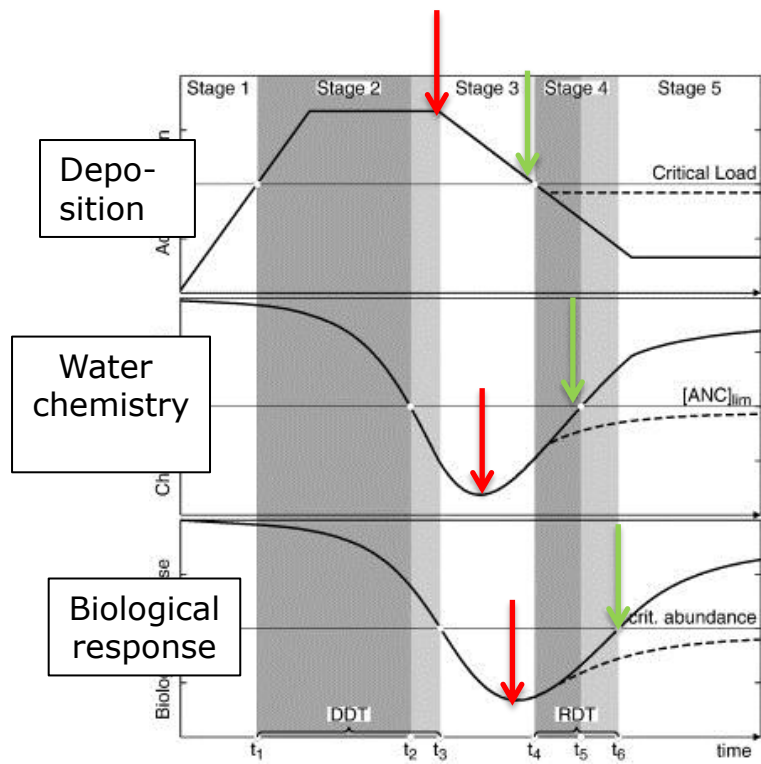


Common trend report for bodies under WGE

- Discussed in March 2014 at meeting of Extended Bureau of WGE
- Activity in 2015 (to be presented in Sept 2015)
- Suggestion: All ICPs (+TF Health&JEG) contribute, ICP Waters coordinates
- Meeting on Thursday

Trend assessment of environmental responses

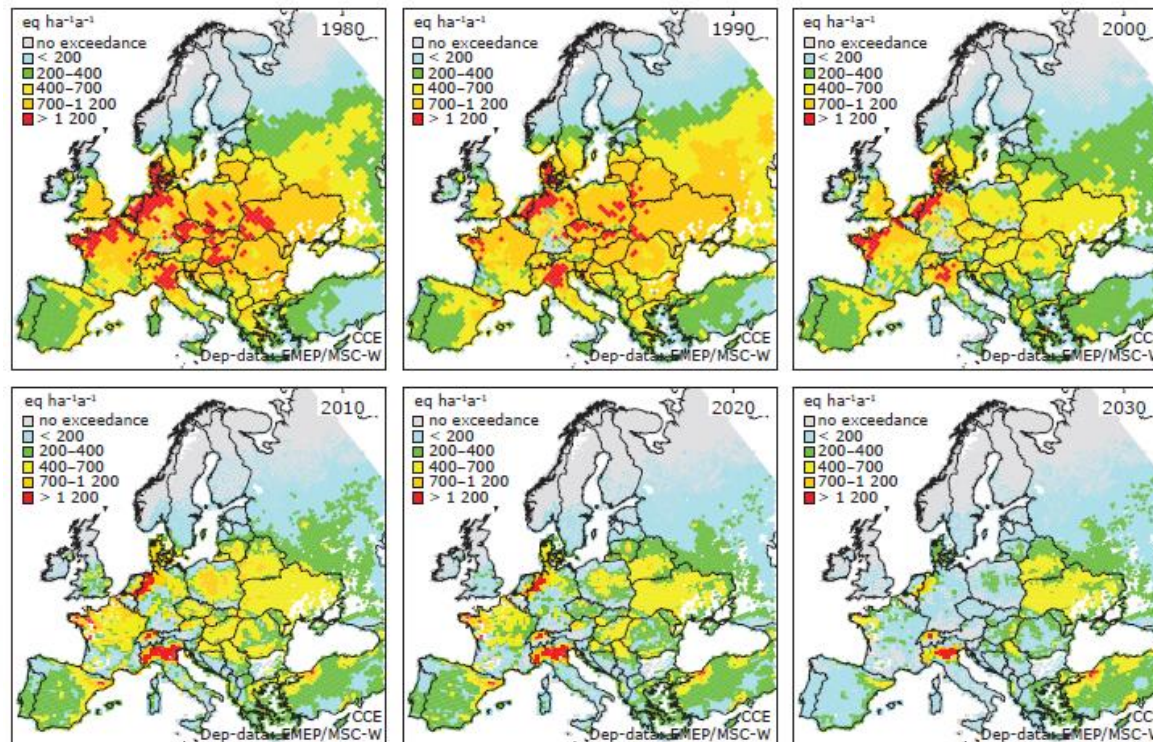
- Trend assessments of environmental responses are a powerful tool to demonstrate if policy to reduce atmospheric pollutants has its intended effect
- All ICPs have long dataseries with large regional coverage and do trend assessments
- Should build on existing trend analyses



Posch et al 2003

Trends in critical load exceedances

Map 3.2 Areas where critical loads for eutrophication are exceeded (CSI 005) by nitrogen depositions caused by emissions between 1980 (top left) and 2030 (bottom right)

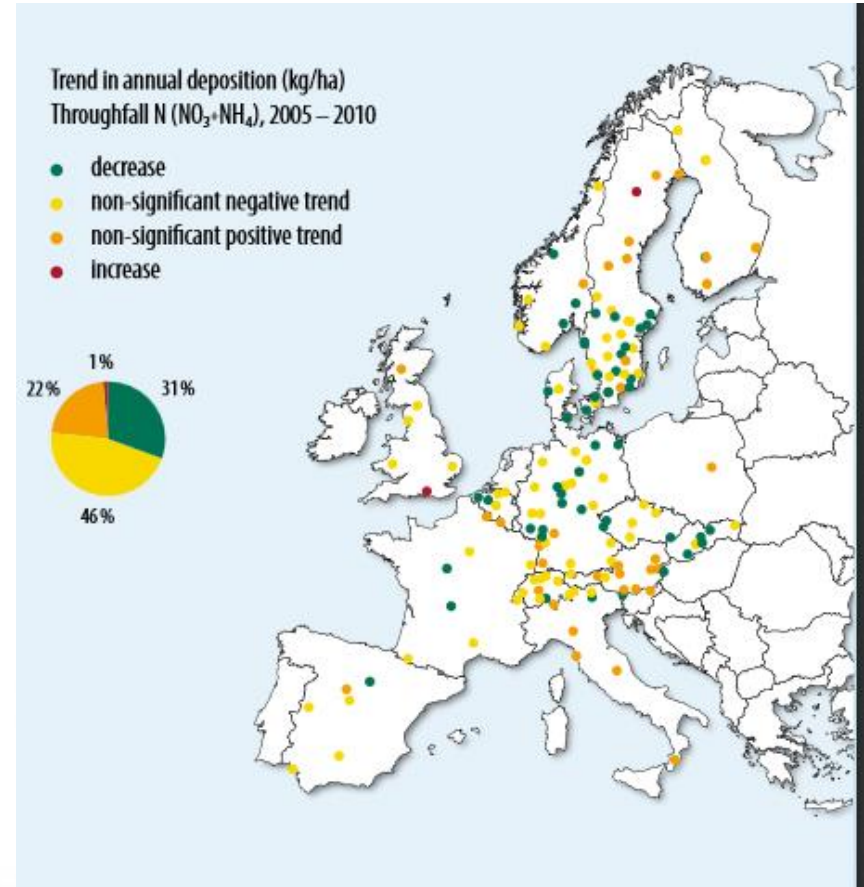


Note: The maps show the average accumulated exceedance (AAE) of critical loads for eutrophication in 1980 (top left), 1990 (top centre), 2000 (top right), 2010 (bottom left), 2020 under the revised Gothenburg Protocol (GP-CLE scenario) emission reduction agreements (bottom centre), and in 2030 assuming maximum technically feasible reduction (MTFR scenario) (bottom right).

Distribution of sites



ICP Integrated Monitoring



ICP Forests

Distribution of sites



ICP Waters

Lead

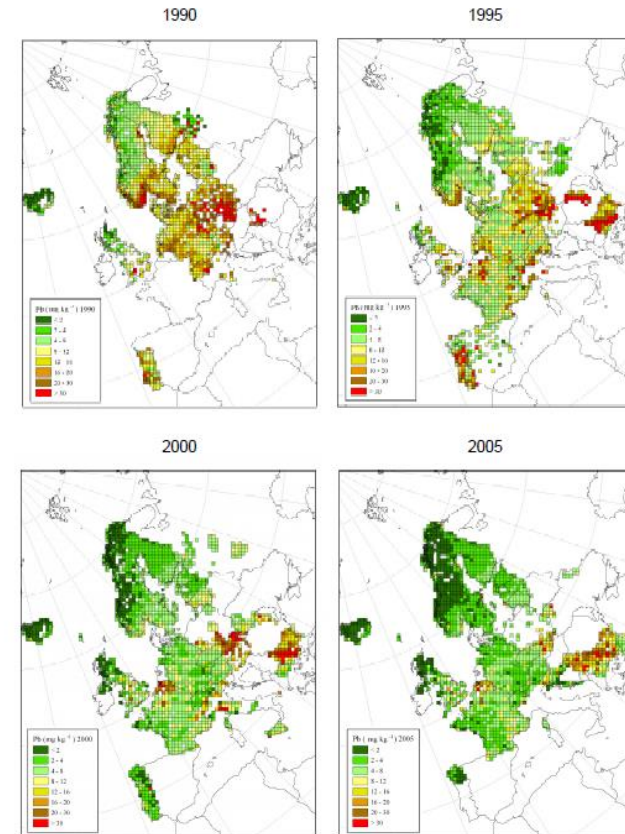


Figure 3.11. Mean concentration of lead in mosses per EMEP grid square in 1990, 1995, 2000 and 2005.

ICP Vegetation

Suggested topics (to be discussed)

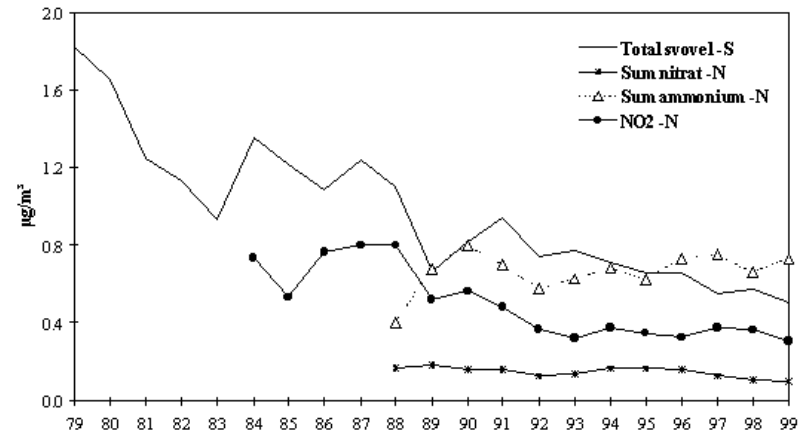
- Trends in ecosystem responses to S and N deposition
 - Forest: crown condition, deposition, chemistry (needle, soil solution)
 - Catchments: trends in element fluxes, input-output budgets
 - Water: surface water chemistry, biology
 - Critical loads: exceedances
 - Vegetation: ozone risk

Suggested topics (to be discussed)

- Heavy metals
 - Vegetation: mosses
- Materials
 - Corrosion and soiling
- Health

EMEP trend assessment

- Trends in deposition for different regions in Europe?



Trend assessment

- Document trends in effects across ecosystem type and regions
- Build on existing trend analyses
- Aim for consistency in time period covered
- To be discussed
 - Possible contributions
 - Regional coverage
 - Europe
 - North America
 - EECCA
 - Which effects?
 - Acidity? Nitrogen?
 - Heavy metals? PMs?
 - POPs?