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## Road map

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Workshop valuation of ecosystem benefits of air pollution abatement

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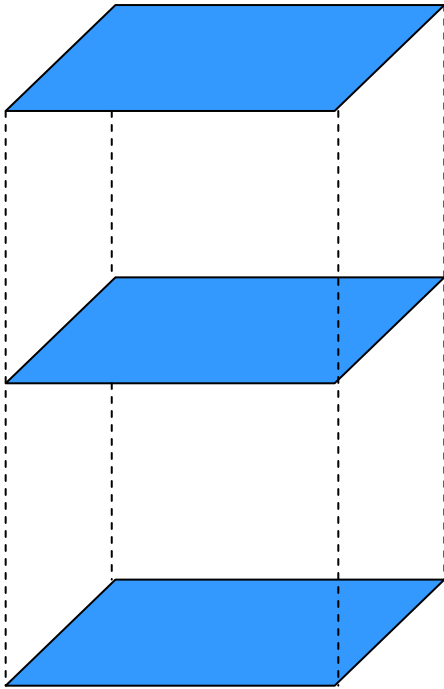
# Outline

- What is the road map about?
- Basics of the methodology
- Guiding principles of the trajectory for the future
- Framework for the economic valuation
- Road map – key questions

# What is the road map about?

- The trajectory to be followed in order to enable the European wide monetary assessment of ecosystem benefits of air pollution abatement policies
  - The methodology to arrive at a European wide monetary assessment of ecosystem benefits of air pollution abatement
  - Identifying the actions needed to further develop the methodological framework

# Basics of the methodology



- (1) Exposure assessment – determination of the relevant abatement scenarios and the resulting changes in ecosystem exposure to air pollution
- (2) Ecological response assessment - establishment of the appropriate linkages between the changes in ecosystems exposure to air pollution and the resulting effects (ecological benefits)
- (3) Economic valuation – (A) determination of the changes in the quality and/or quantity of ecosystem services resulting from the ecological benefits and (B) monetisation of the (relevant) changes

# Guiding principles of the trajectory for the future

- The trajectory for the future will be one of stepwise improvements
- Constant search to better gear the different phases in the overall assessment process to one another
- Search for consensus about the methodology among scientists as well as decision makers.

# Framework for the monetary valuation

- Carry out a number of well-chosen original valuation studies covering
  - the areas that are meaningfully affected by the action
  - focussing on key ecosystem types affected within these areas
  - focussing on the key ecosystem services benefiting
- Upscale and/or transfer the benefits
  - requirements for original valuation studies to facilitate the upscaling and transferring of benefits

# Road map – key questions

- How to determine the number and the geographical delineation of original valuation studies to be carried out?
  - what criteria are important?
  - how to make optimal use of benefits transfer?
  
- Is the focussing on a number of key ecosystem services acceptable?
  - what criteria for identifying key ecosystem services?
    - contributing most significantly to overall welfare
    - analytical feasibility of estimating the welfare change
    - limit uncertainty
    - ...

# Road map – key questions

- What are the priorities?
  - Improve the exposure assessment
  - Improve the ecological response assessment (dose-effect relationships)
  - Improve the assessment of the monetary values of ecosystem benefits
  - Links between the different phases in the overall assessment process