Evaluating Environmental Policies and Programs in the Context of Multi-Level Governance

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Environmental Evaluator's Networking Forum June 22, 2006



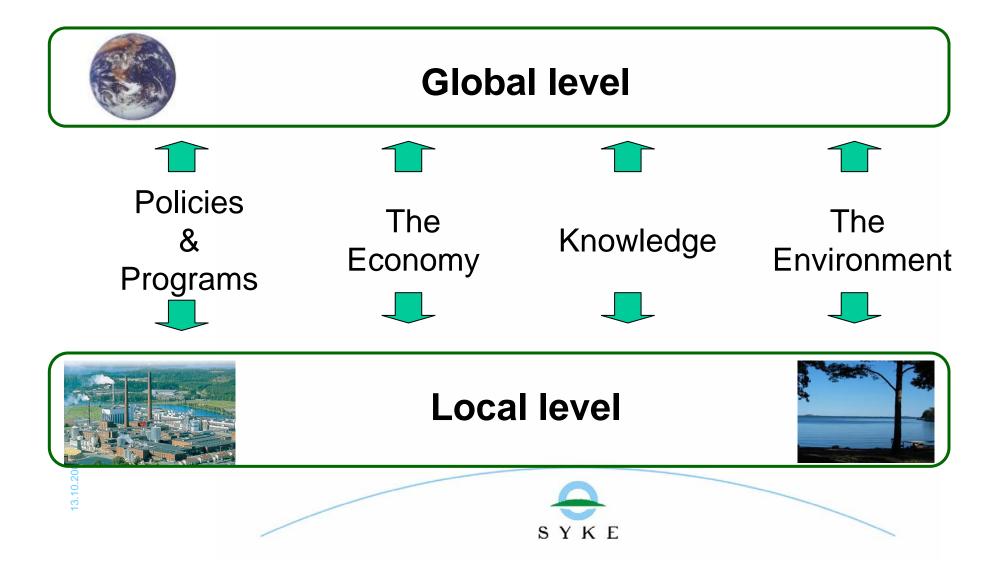
How will I use my 20 minutes?

Some conceptual slides

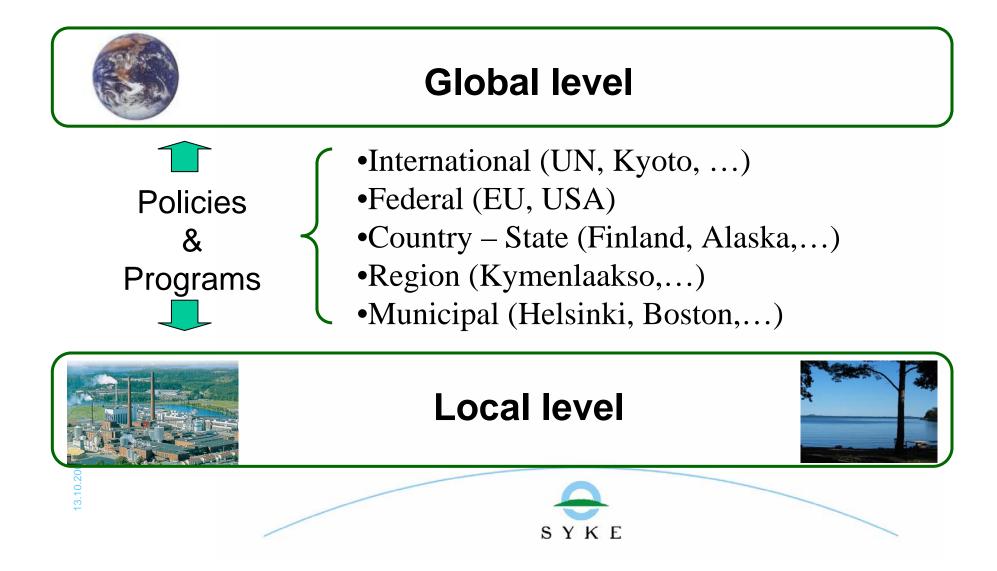
- 7 minutes
- Case study examples
 - 12 minutes
- Summary of the main points
 - 1 minute



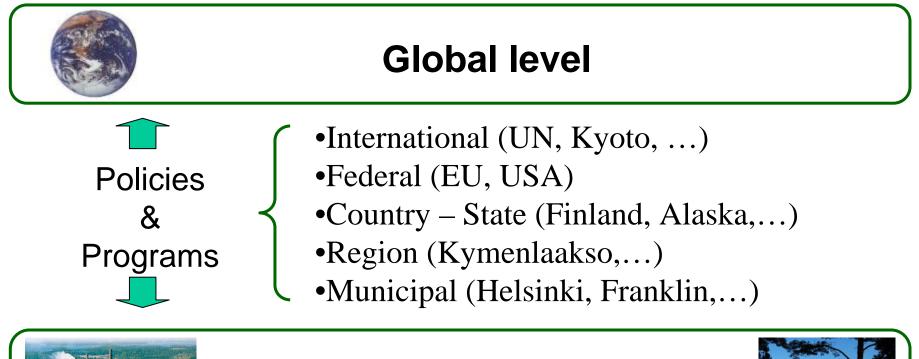
What do I mean with multi-level?



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Policies and programs at which level should be evaluated?

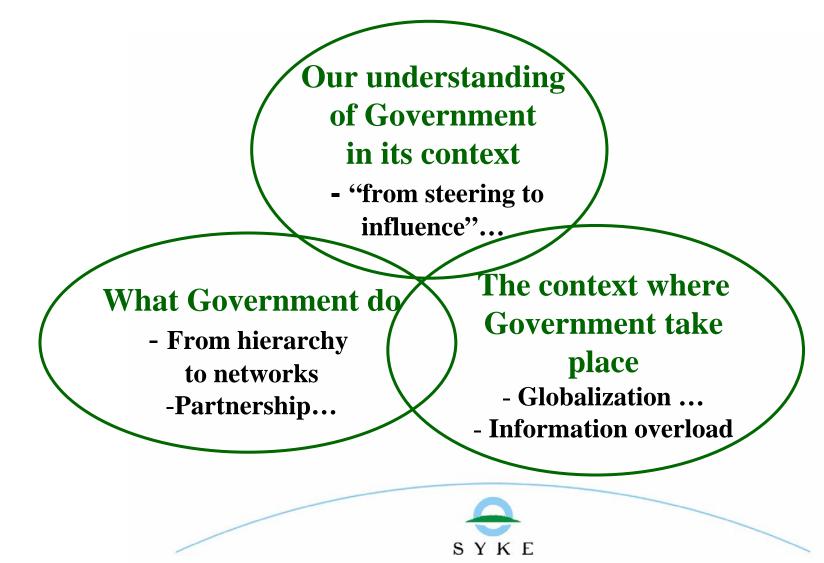


Local level

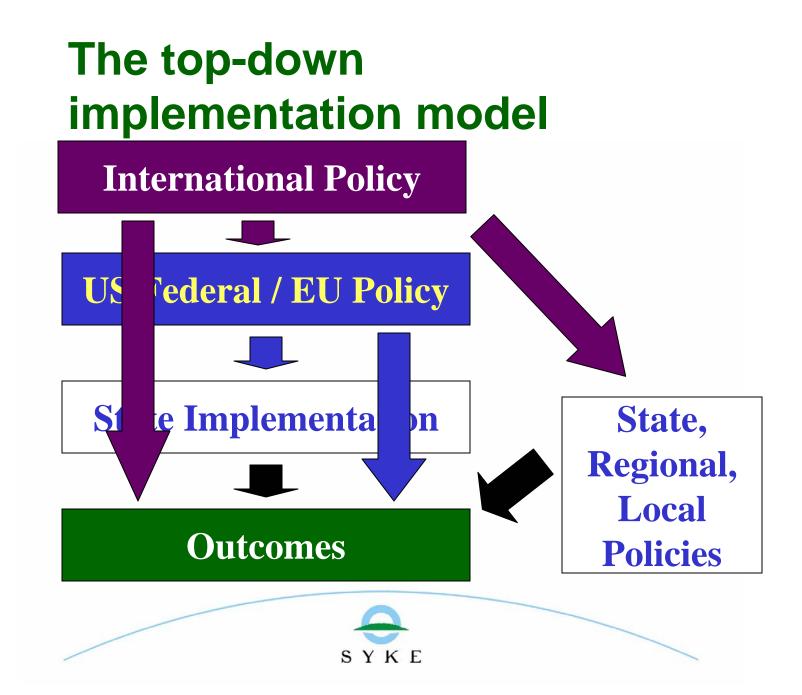


At all levels and the interaction with the other levels should be considered.

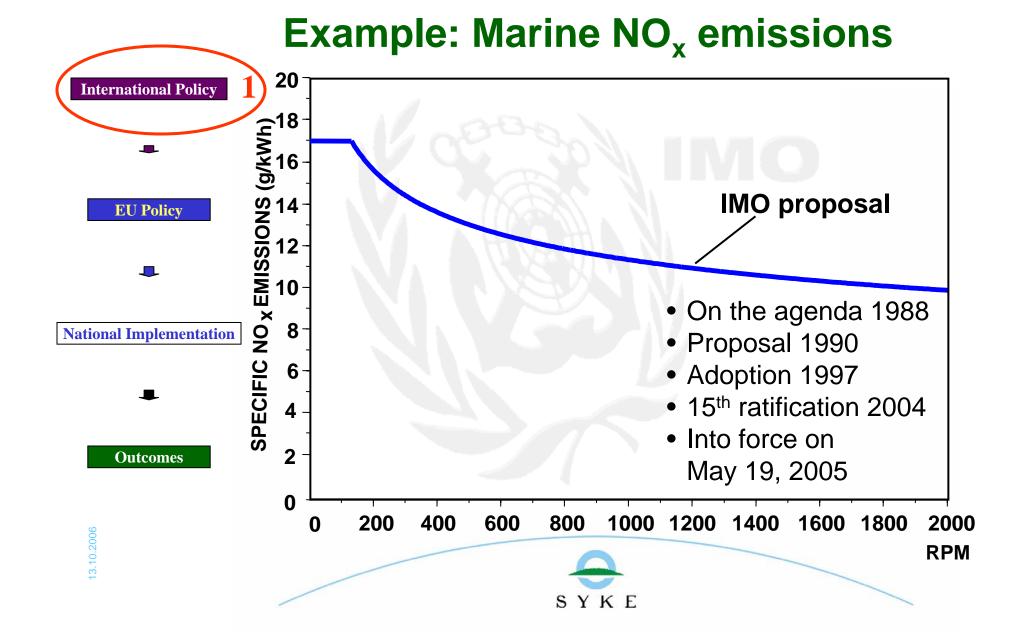
What do I mean with Governance? "From Government to Governance"

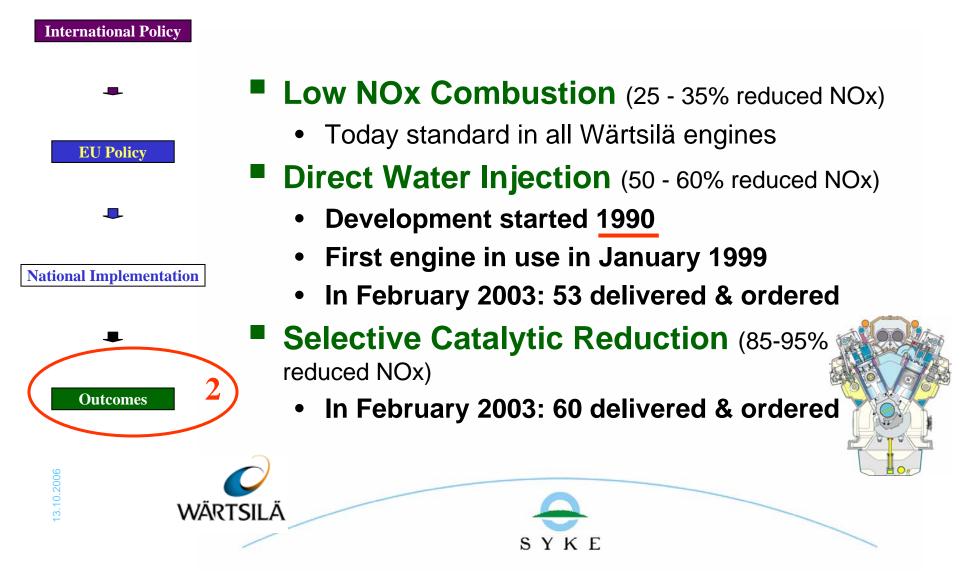


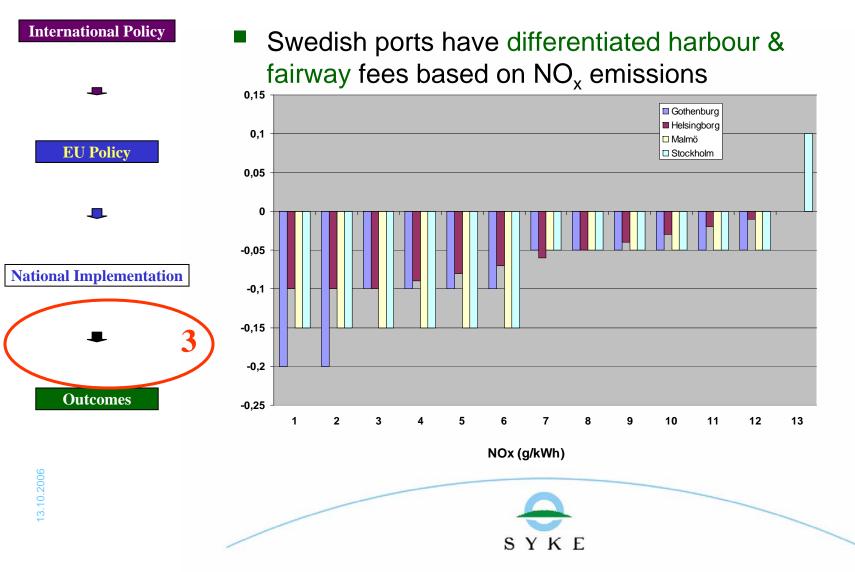
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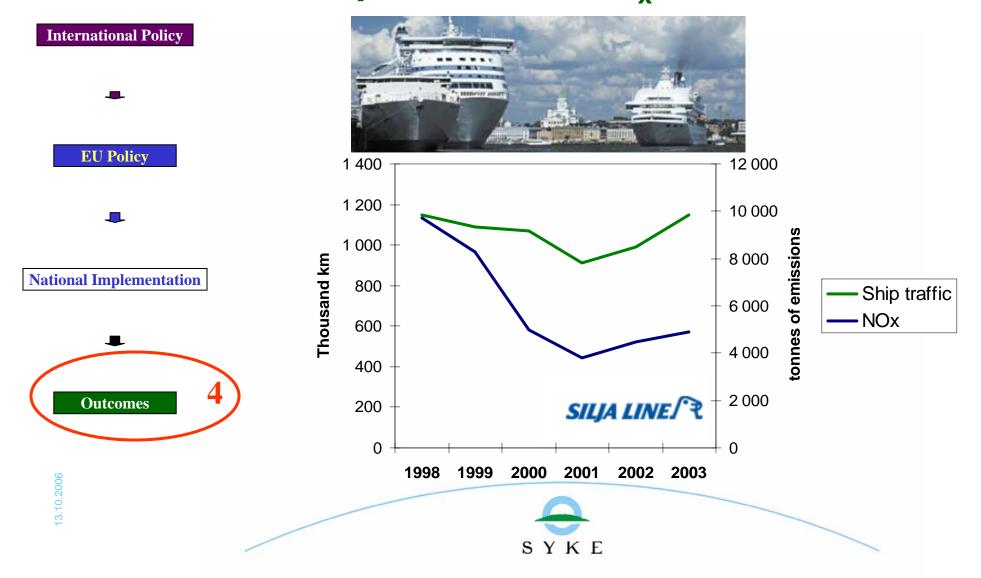


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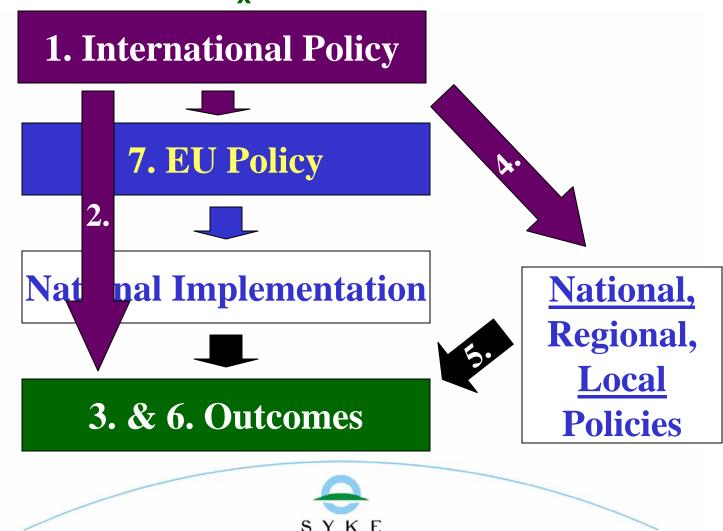
Outcomes

EU is preparing action:

 Commission of the European Communities. A European Union strategy to reduce atmospheric emissions from seagoing ships.
Communication from the Commission to the European Parliament and the Council. COM(2002) 595 final, Brussels, 20 November 2002.



The top-down implementation model Marine NO_x emissions



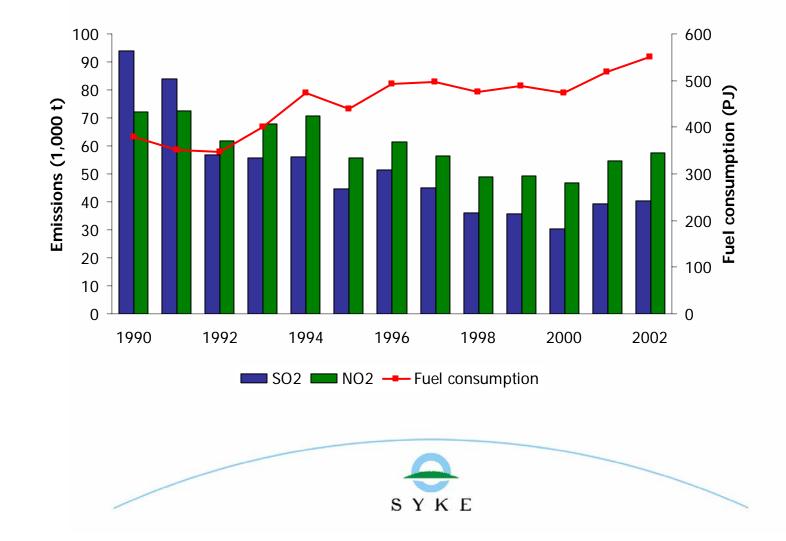
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Three important point for Evaluation in the context of multi-level governance

- The effects were not linear top down
- Policies at different levels supported each other
- The international agreement had effects 15 years before it entered into force



De-coupling of emissions from energy production



13.10.2006



Outcomes

Example: Energy SO₂ & NO_x emissions

- The Geneva Convention on Long-Range Transboundary Air Pollution, adopted in 1979 and entered into force in 1983
 - The Helsinki Protocol 30% SO₂ was signed in 1985 and entered into force in 1987.
 - The Sofia Protocol to freeze NO_x or reduce the emissions to the 1987 levels by the end of 1994 was signed in 1988 and entered into force in 1991.
 - *The Oslo Protocol* was signed in 1994 and it entered into force in 1998.
- The Large Combustion Plant Directive 88/609/EEC



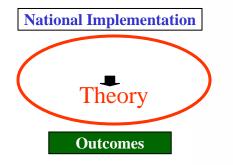
Key elements in the Finnish intervention theory (program theory) for SO₂ and NO_x ELVs

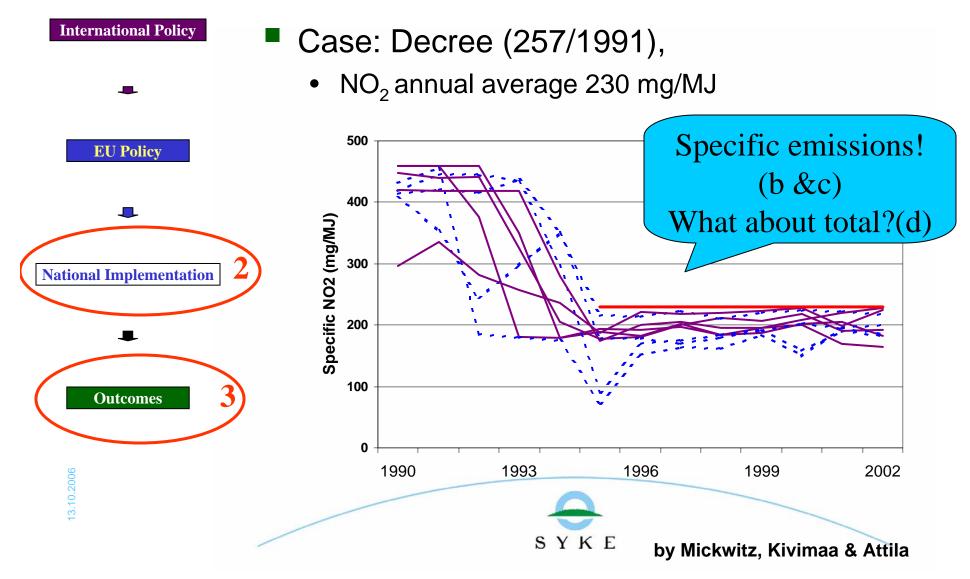
- **a.** Technological potentials & costs assessed.
- **D.** Based on these assessments ELVs are defined. $(SO_2 140 230; NO_2 50 290 \text{ mg/MJ}).$
- C. Boilers with originally higher specific emissions have to undertake action in order to bring down their specific emissions. Those boilers already below their ELV would not necessary have to reduce their emissions, but to make sure they will not increase.
- **d.** Although the ELVs are determined for specific emissions, they are also expected to be reflected in the level of total emissions. *If, however, the total production level is increased...*

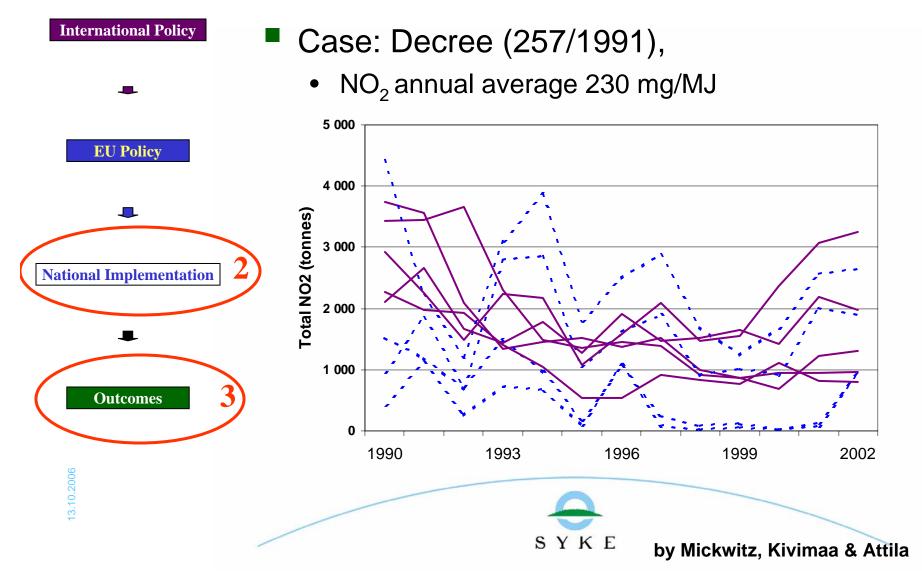


EU Policy

International Policy







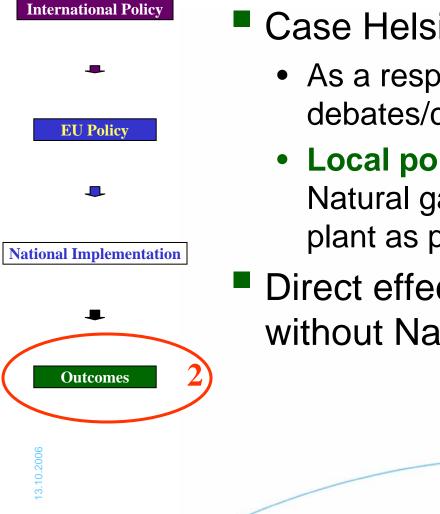
One important point for Evaluation in the context of multi-level governance

There were linear top down effects





Example: Energy SO₂ emissions

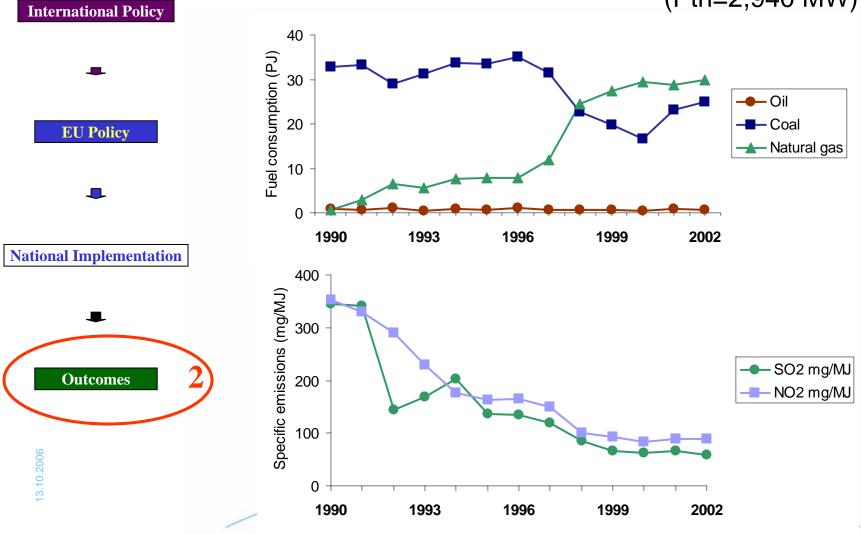


Case Helsinki Energy

- As a response to the international debates/commitments
- Local politicians decided to build a Natural gas plant instead of a coal plant as proposed by the company
- Direct effect of international policy without National level policies

Example: Energy SO₂ emissions

 Case Helsinki Energy 26 boilers and gas turbines (Pth=2,940 MW)



One important point for Evaluation in the context of multi-level governance

There were linear top down effects

and effects that are not top down

at the same time.



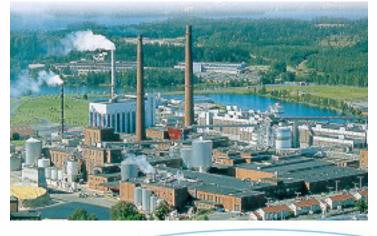
So far al the examples have been of policies at different levels complementing each other that is not always the case

"EU has never managed to make a policy so complicated that the Finnish Ministry of the Environment has not been able to make it more complicated through domestic decisions" Leena Saviranta June 16, 2006



The intervention theory (program theory) or the target group may change when policies at different levels interacts

- The EU Directive concerning Integrated Pollution Prevention and Control (96/61).
 - Based on the assumption that the main target group is large scale industrial factories.

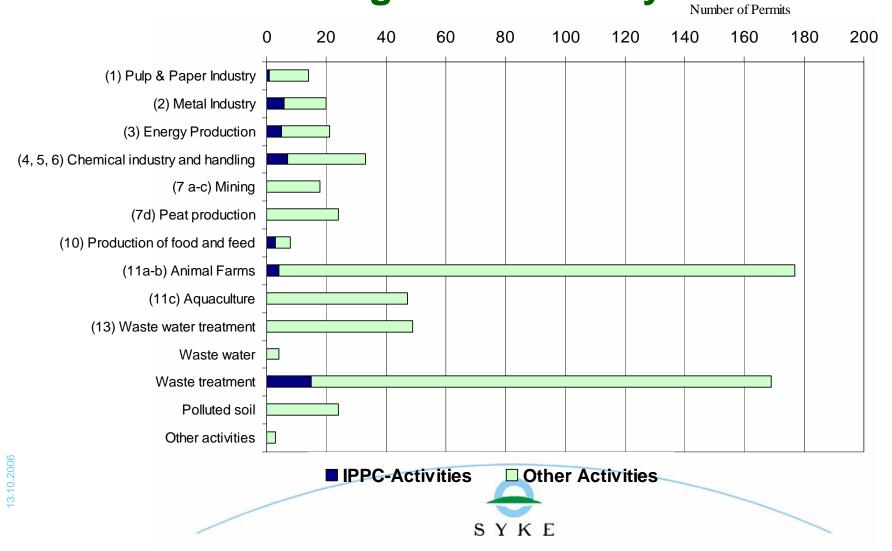


The intervention theory (program theory) or the target group may change when policies at different levels interacts

- The EU IPPC Directive was implemented in Finland through the new Environmental Protection Act (entered into force March 1st 2000)
 - Still based on the assumption that the main target group is large scale industrial factories.
 - But incorporated the target groups of all previous Finnish permit legislation, such as waste permits, water permits, air permits, etc.



Our evaluation, however, showed that during the two first years:



Conclusions:

- Policies & Programs do not only influence local activities top-down through all intermediate levels, they can have direct effects
- b. But, Policies & Programs may work top-down
- C. Policy processes may be very slow, but if predictable & credible they can have effects before formally in force
- d. Policies & Programs at different levels may complement each other, but they may also be in conflict
- C. There is newer only implementation at national/regional/local level of international/federal policies, there are always political goals involved
- f. Program theories & target groups may be different at different levels