

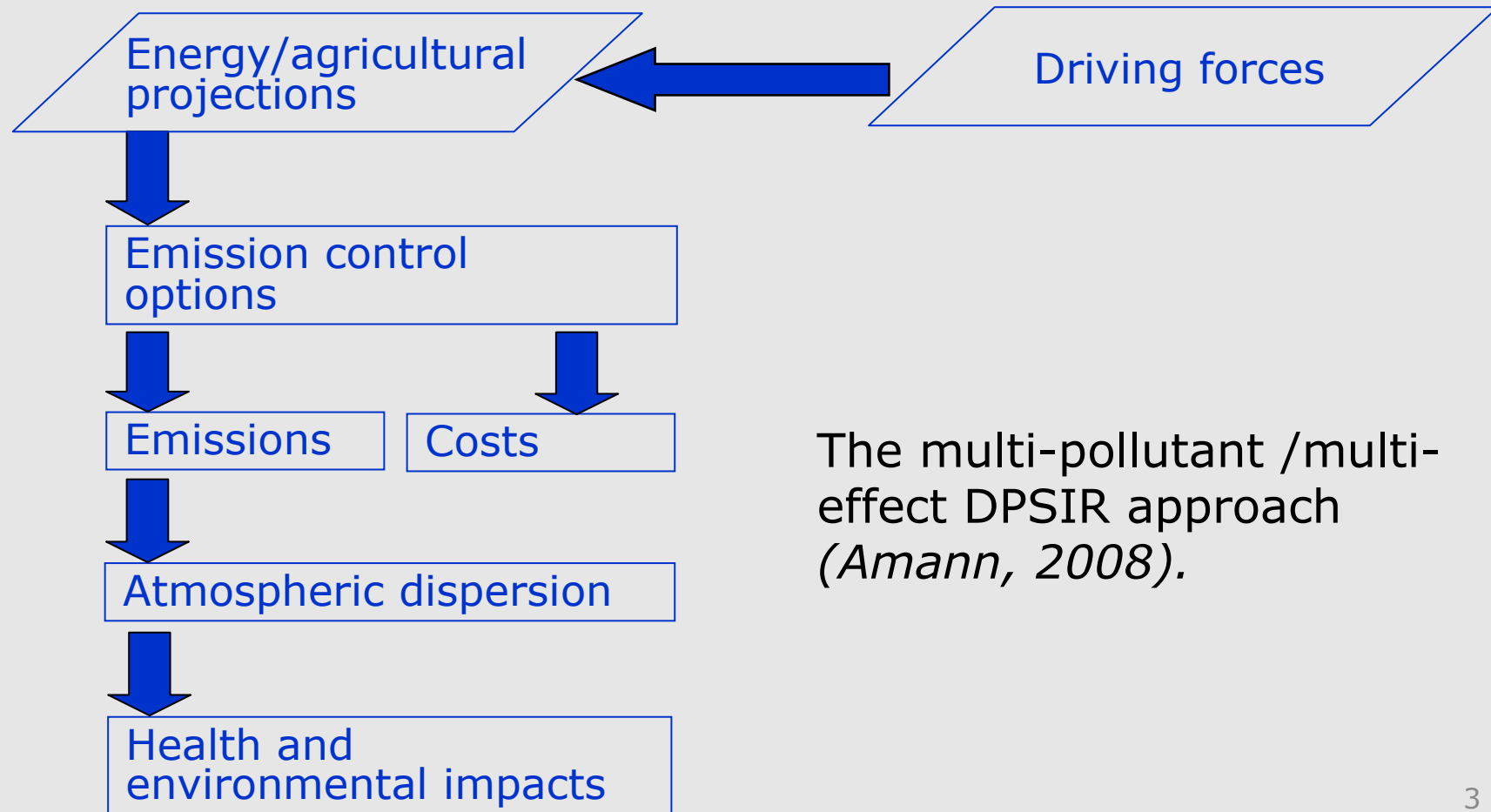
Austria's emission projections and development of an integrated modelling framework

Melanie Sporer, 22nd March 2010

Outline

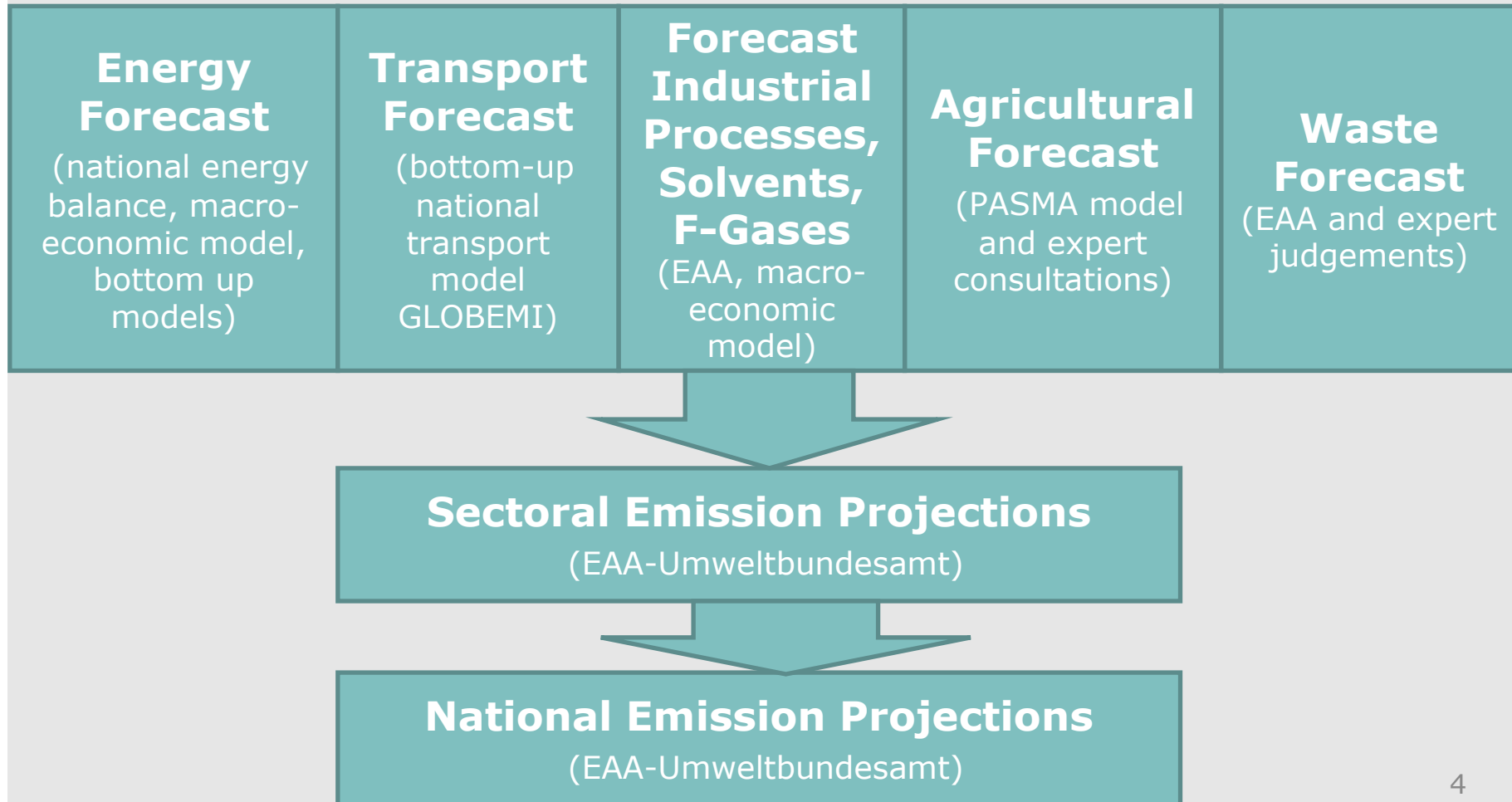
- IAM? – Fragmental.
- Emission Projections, Policies and Measures
- Atmospheric Dispersion, Air Quality, Impacts
- Outlook

IAM – the GAINS concept



The multi-pollutant /multi-effect DPSIR approach
(*Amann, 2008*).

Emission projections



Reporting

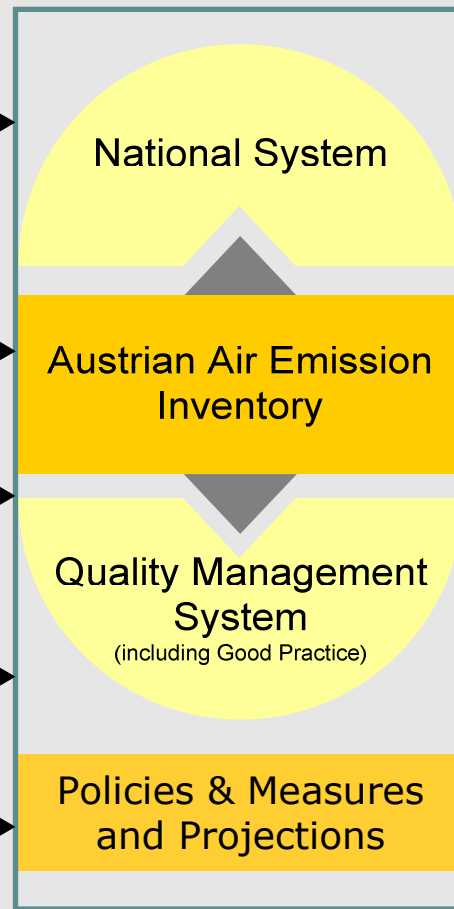
UNFCCC + Kyoto Protocol

UNECE/LRTAP + Protocols

EC GHG Monitoring Mechanism

EC NEC Directive

Environmental Control Act



Submission under UNFCCC National Inventory Report (NIR), Common Reporting Format (CRF) Tables, National Communications

Submission under UNECE/LTRAP Informative Inventory Report (IIR), Nomenclature for Reporting (NFR) Tables

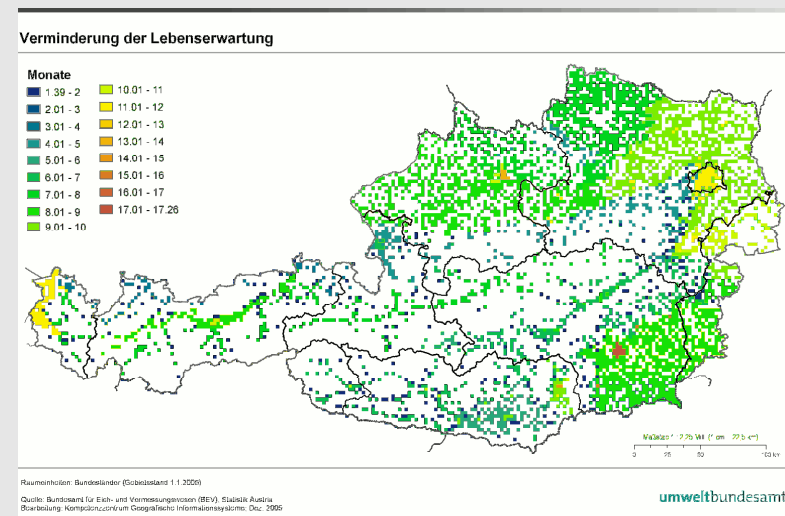
Submission under EC GHG Monitoring Mechanism CRF Tables/Short NIR, EMIPRO Report, PaMs & Projections Tables

Submission under EC NEC NFR Tables for NEC Gases and Report

National Reports to the parliament and for the public

Atmospheric Dispersion – Air Quality – Impacts

- Air quality in Austria is assessed based on ambient air monitoring
- Atmospheric dispersion modelling is used to assess the impacts of specific measures
- There are also assessments of the impacts of air quality on human health, based on ambient air monitoring



Outlook

Planned improvements

- More flexibility in development of reduction scenarios (PaMs)
- Consider interactions between sectors
- Assess synergies and trade-offs between gases (AQ/CC)
- Update of energy projections
- Costs
- Projections of NO_x/NO₂ ambient air background concentrations
- Long term scenarios **2050** (maybe other approach/backcasting)

IAM?

Contact & Information

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NIAM meeting
Laxenburg ■ 22nd March