

# The Role of Emission Reporting for the Austrian Air Pollution Management

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# This Presentation

- Introduces the Air Pollution Department at Umweltbundesamt
- Describes our policy interface
- Gives my experience of dealing with the management challenges of emission reporting

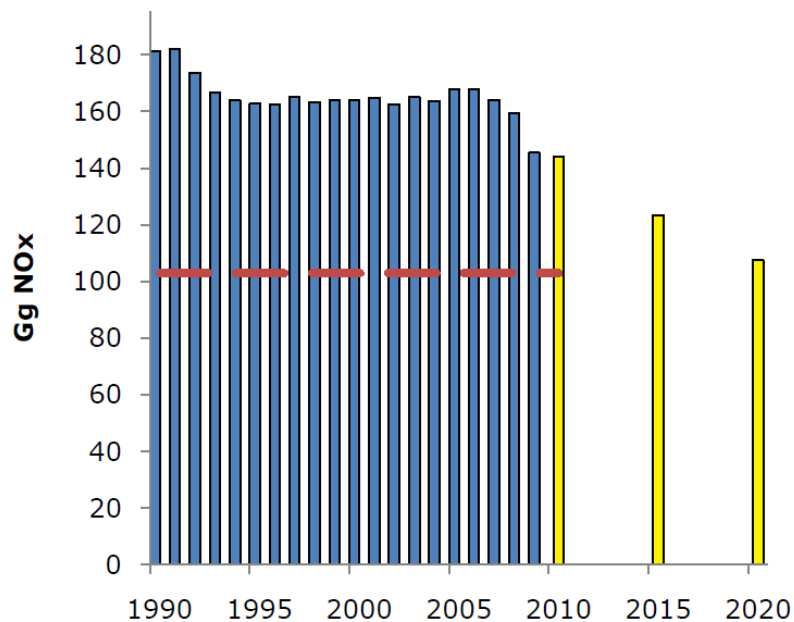
# Agenda

- The Air Pollution Implementation Challenge
- The Department for Air Pollution Control
- People and Responsibilities
- The Policy Interface
- Institutional Setup
- My View on Main Challenges

# The AP Implementation Challenge

- The Thematic Strategy [COM(2005) 446]
  - Attain levels of air quality that do not give rise to significant negative impacts on, and risks to human health and environment
  - Establishes objectives for air pollution and proposes measures for achieving them by 2020
- Delivered in stages
  - Health and environmental objectives (Air Quality Framework Directive)
  - Emission reduction targets (National Emission Ceilings Directive)
- The Challenge: progressively reduce national emissions
  - Set long-term targets, devise a national strategy and ensure implementation (through operational and strategic controlling)

# Austrian Implementation



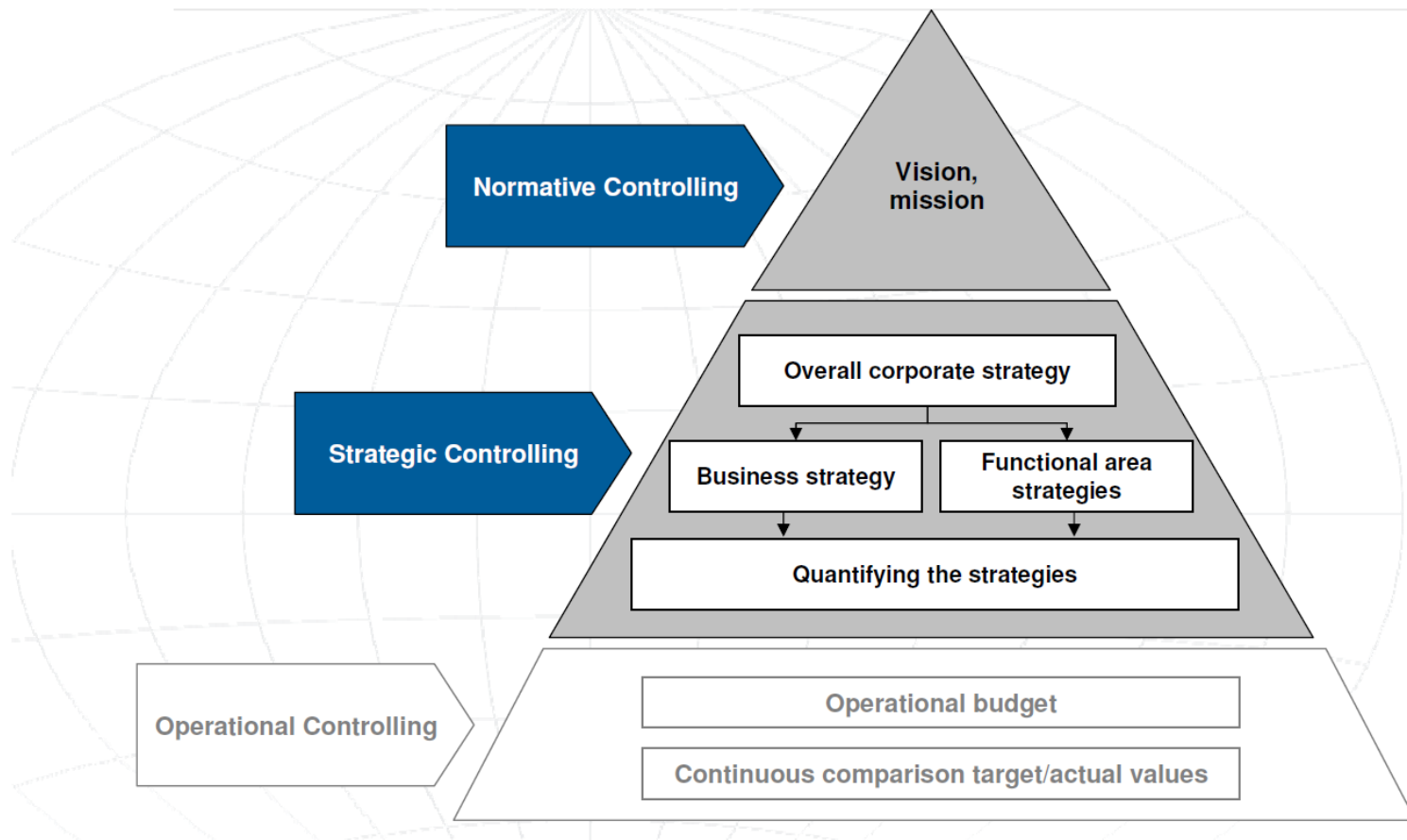
## Example NOx

Austria's target: 103 kto  
Emissions 2009: 145 kto

Main reasons for non-compliance:

- A transport under-delivery (activity and emission factor)
- an unresponsive National Strategy

# Design levels of Strategic Controlling



# The Department

# AP Control and CC Mitigation

## General Task

Perform environmental control as defined by the Environmental Control Act as part of Umweltbundesamt, the Austrian Environment Agency

## Specific Tasks

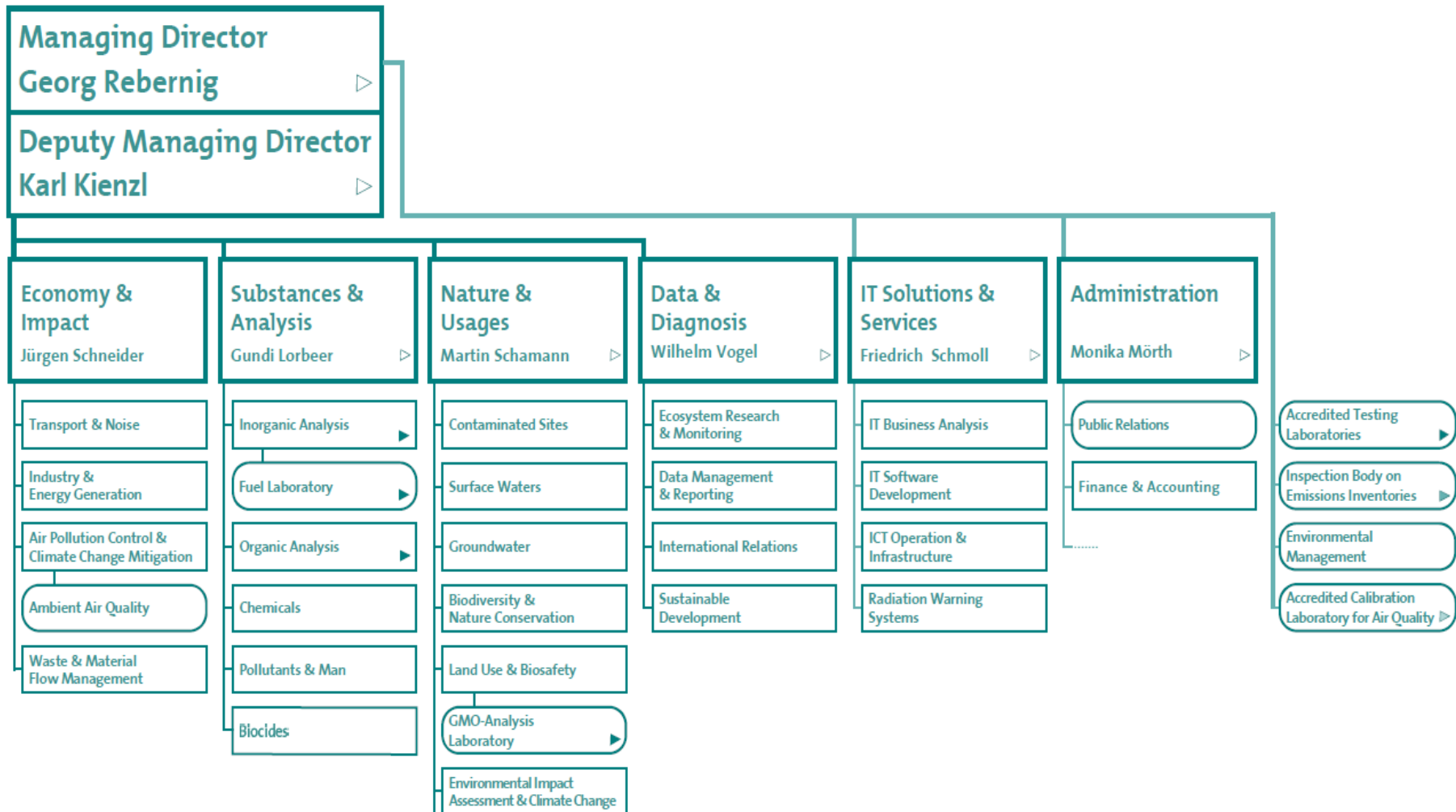
Monitor state of the environment in the area of

- Air Quality : Air Quality Framework Directive
- Air Pollution : National Emissions Ceilings Directive
- Greenhouse Gas Emissions : UN Framework Convention on CC – the EU Monitoring Mechanism
- Point Source Emissions (the European Pollutant Release and Transfer Register – PRTR)

## Reporting duties

- All national and international reporting related to emissions and air quality
- Operate the national network on air quality
- Prepare national GHG and AP inventories
- Assess drivers and trends
- Play a coordination role on for the federal states
- Support the European Environment Agency on inventory-related issues

# Organisational Chart





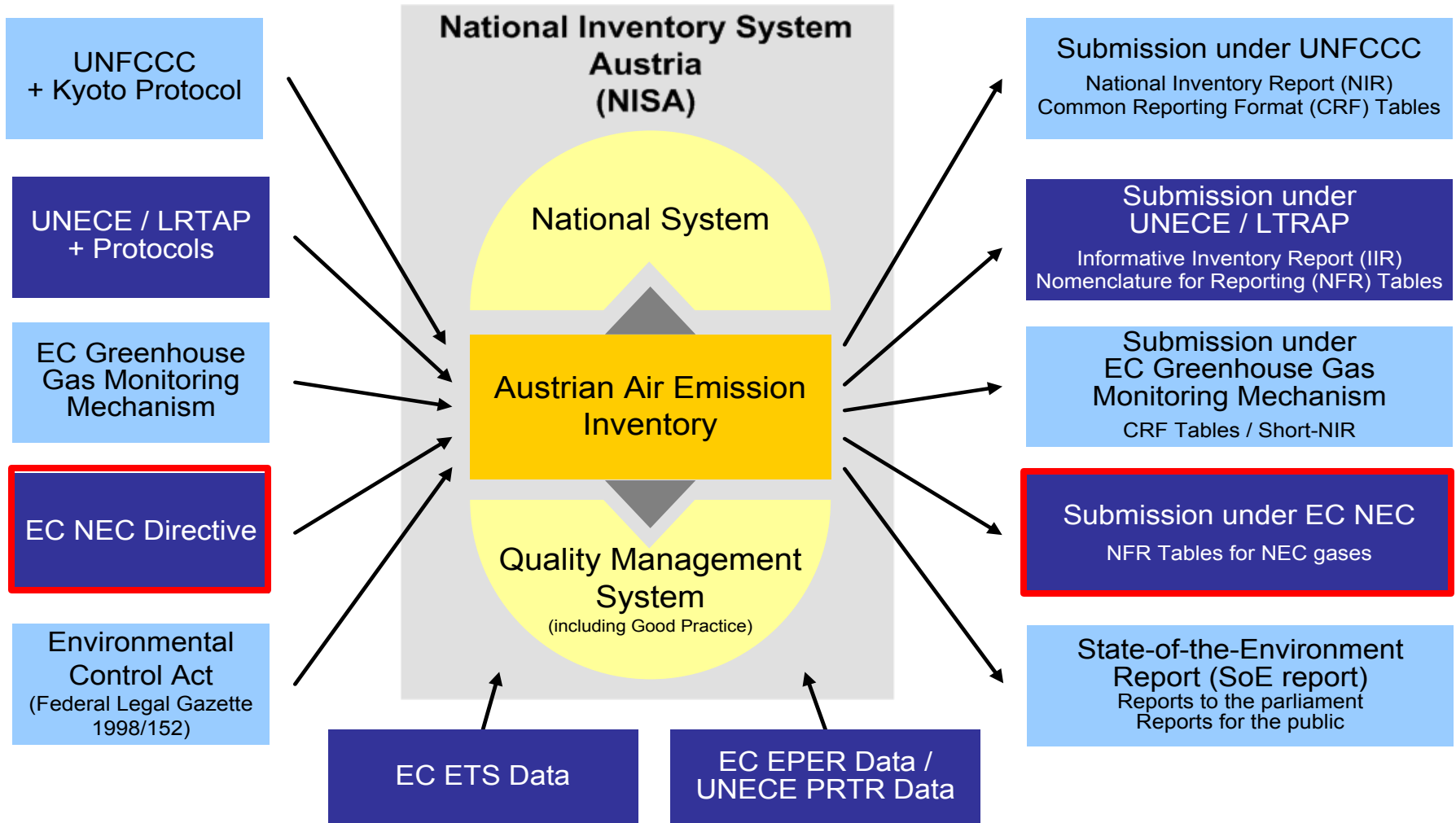
# People and Responsibilities

- Inventory
  - About 16 people
  - Centralized approach
  - Other departments involved: Transport, Forestry
- Air Pollution
  - About 14 people
  - Monitoring focus
  - Framework contract with the European commission
- International
  - About 8 people
  - Long-term contracts with the UN and with the EEA
  - A number of short-term contracts with the European Commission

# Austria's National Inventory System - Overall design

- According to the Environmental Control Act §6 (2) line 15, it is the task of the Umweltbundesamt to compile the Air Emission Inventory in accordance with the international reporting obligations ⇒ national entity with overall responsibility
- The department "Emissions & Climate Change" is responsible for compiling the Austrian Air Emission Inventory (OLI) in accordance with international guidelines and in line with international reporting formats.

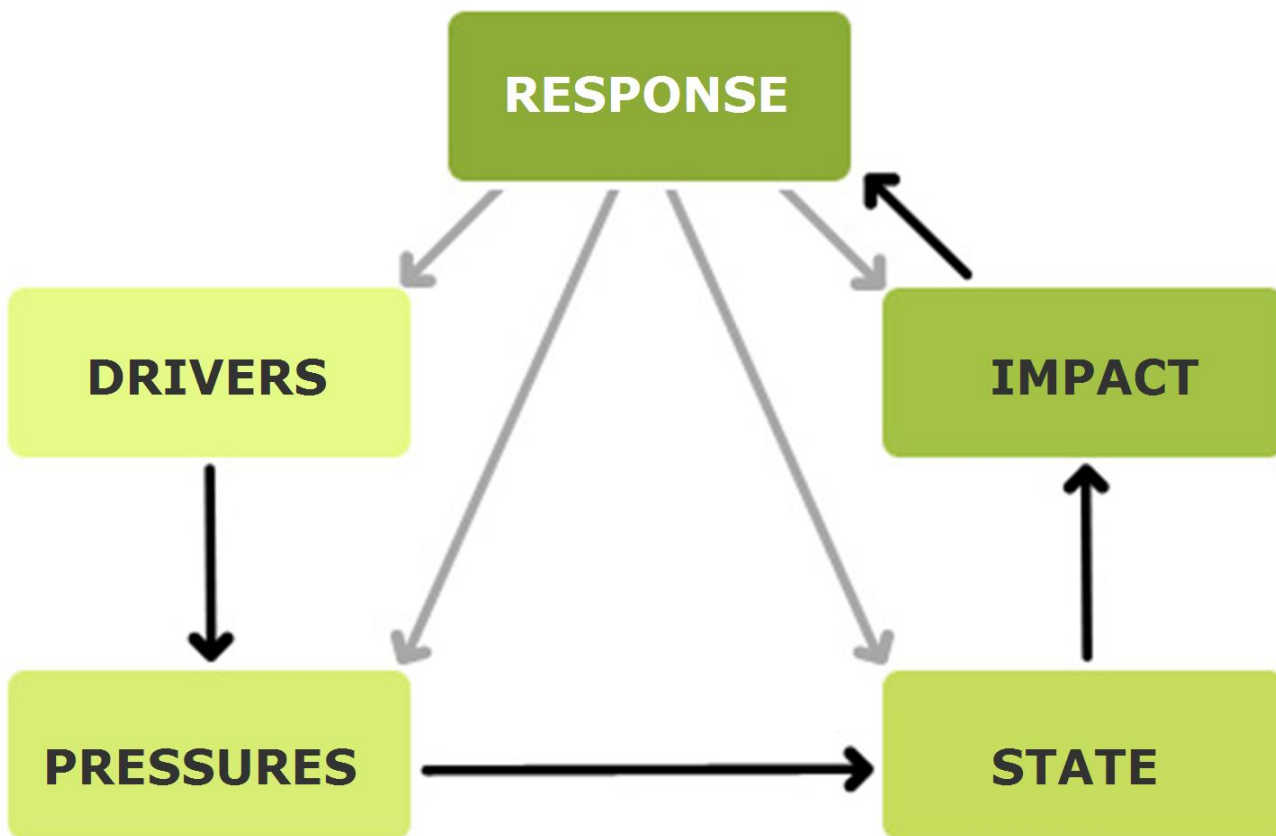
# NISA



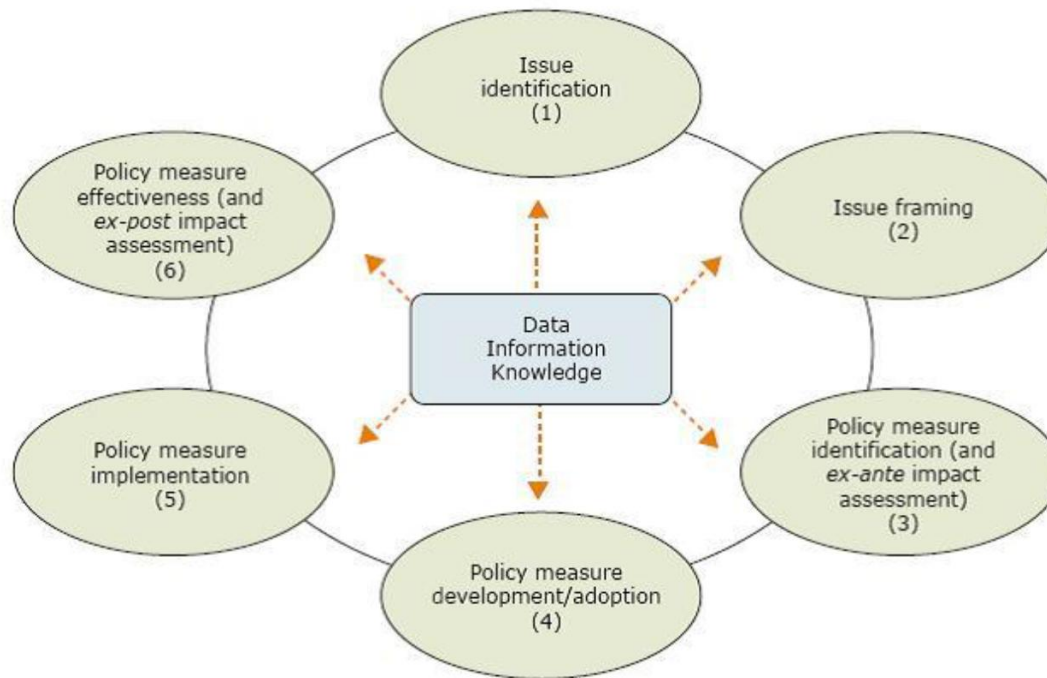
# The Policy Interface

- Umweltbundesamt has a clear task definition for state-of-the-environment assessments
- Our data and assessments are in no way policy prescriptive
- The inventory follows a “best science” approach and is protected from political influence through a ISO 17020 accreditation
- The national strategy is based on our assessments but prepared by the Ministry of the Environment
- We offer specific assessments and take part in the and stakeholder work groups

# The DPSIR Framework



# Main Stages in the Policy Cycle



# My View of Main Challenges – Inventory View

- Operate a “best-science” cluster within an important policy area
  - Accreditation
  - Establish a best-scientific culture; honor expert’s choice
- Safeguarding resources
  - Active information of upcoming challenges
  - Standardize training for new-comers
- Implement review-results
  - Prepare an improvement plan
  - Have clear sector responsibilities

# My View of Main Challenges – Policy View

- Deal with inventory-related changes
  - Inventory remains a best guess
  - Politic needs stable basics
- Sectoral effort-sharing is a permanent task
  - Institutional set-up of inter-ministerial groups
  - Deal with over/under performance
- Get help from other sectors
  - In implementation all policy areas come together
  - Define what you need on top of other strategies (in particular climate change)



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