



National Institute for Public Health
and the Environment
Ministry of Health, Welfare and Sport

Comparison of national to GAINS scenarios

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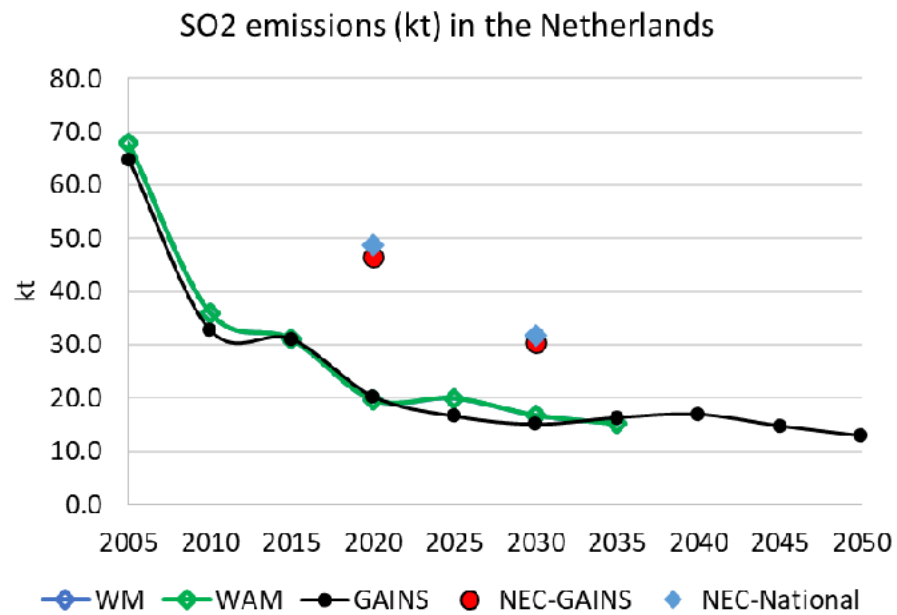


Comparison of national to GAINS scenarios

- > For the **GP protocol calculations** (new ERC), the **CA05 baseline (V7)** will be used.
- > Using the **Dutch projections** as a **basis** for the comparison, because in the Netherlands we use these for **policy calculations**.
- > **Graphs and analysis** are based on bilateral consultations. These are **preliminary results** and can be adjusted.



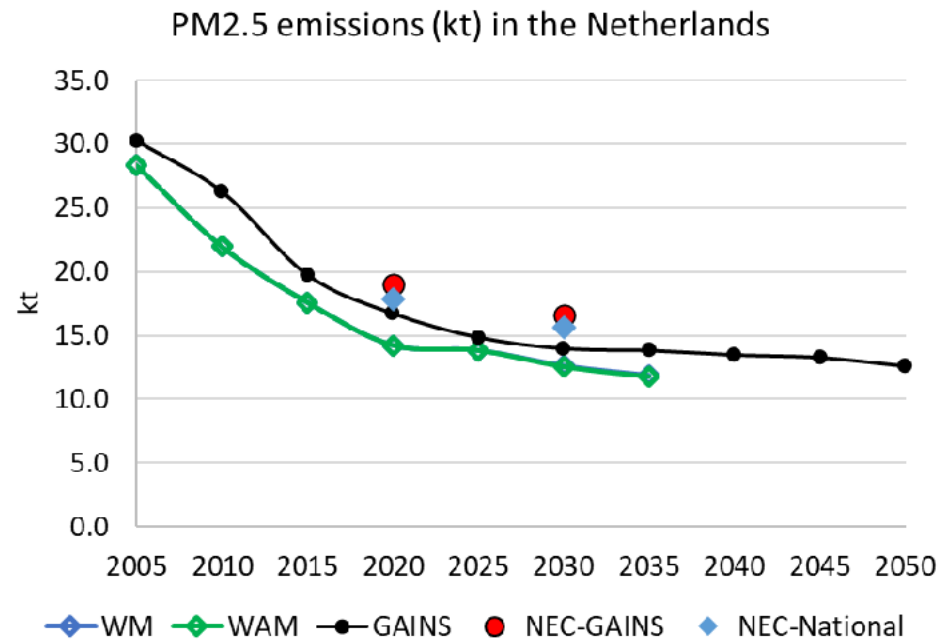
SO2



In general, there is good alignment.



PM2.5



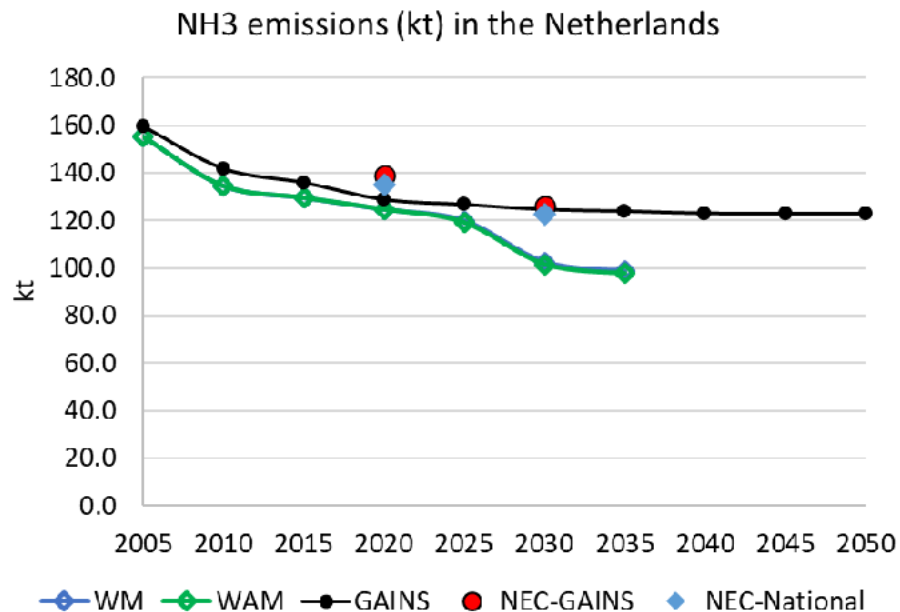
Main differences:

- For road transport, there is a **difference** because of **non-exhaust** and **tire wear emissions**.
- **E_solvents** includes **higher emissions** from a specific sector (fireworks, tobacco, food, beverages, paper pulp) **than the national inventory** (could be driven by population increase).

Emissions are higher in the GAINS scenarios, but also for the past years. Therefore, the reduction percentage (**ERC**) will not be strongly affected by this.



NH3



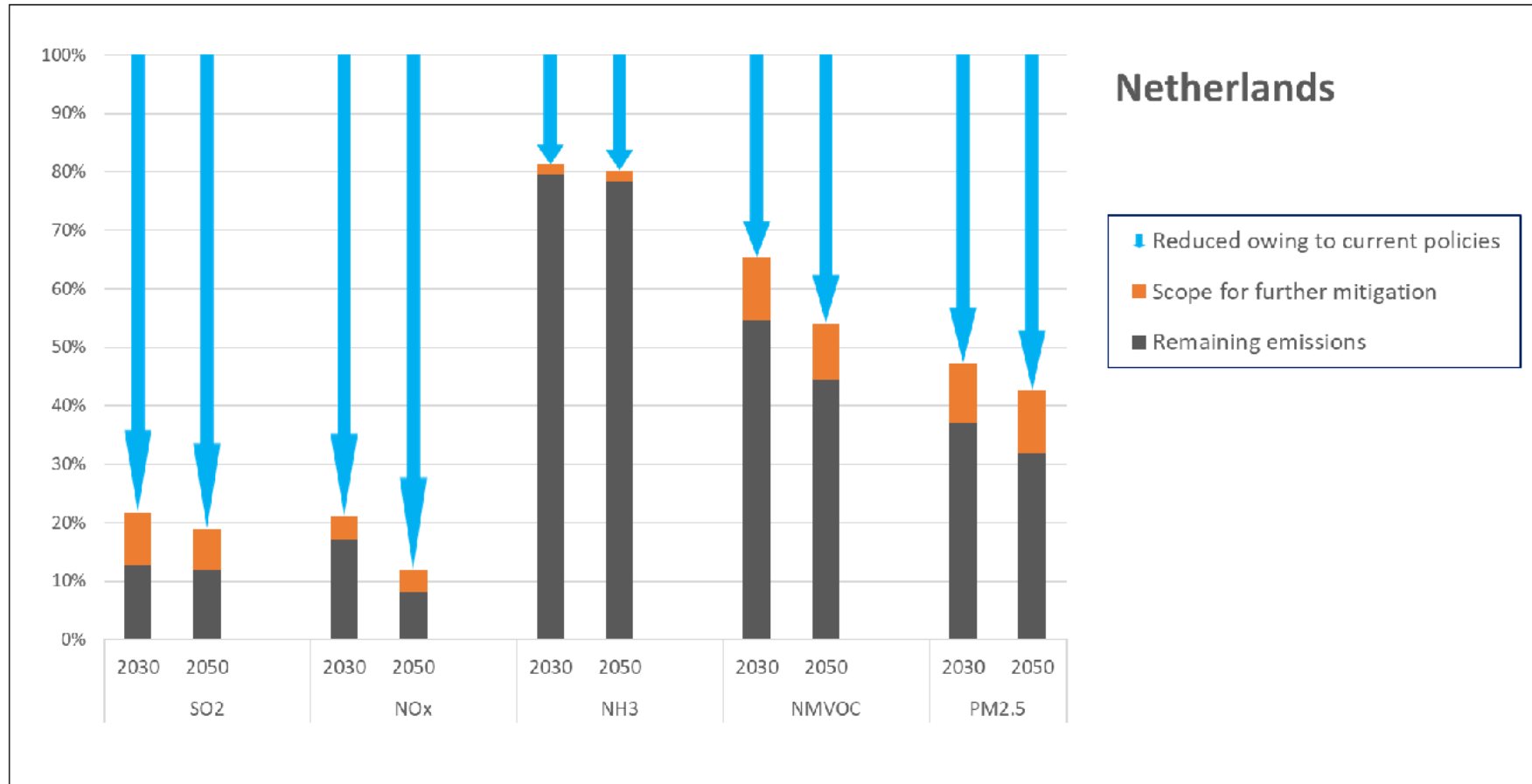
- The **main difference** is in the **size of the livestock population**. This measure is included in the national projections, but not in GAINS.
- The reason is that **the CAPRI-model** (used for GAINS) is a **supply and demand model**; when the livestock population decreases in one area, it increases elsewhere in the Netherlands, as the cheapest option is chosen.
- This difference was also present in **CAO4**.

The ammonia outcomes of the GP calculations may be less ambitious for the Netherlands.



Scope for further mitigation (relative to 2005)

DRAFT (14.03.2026; MTR V2)

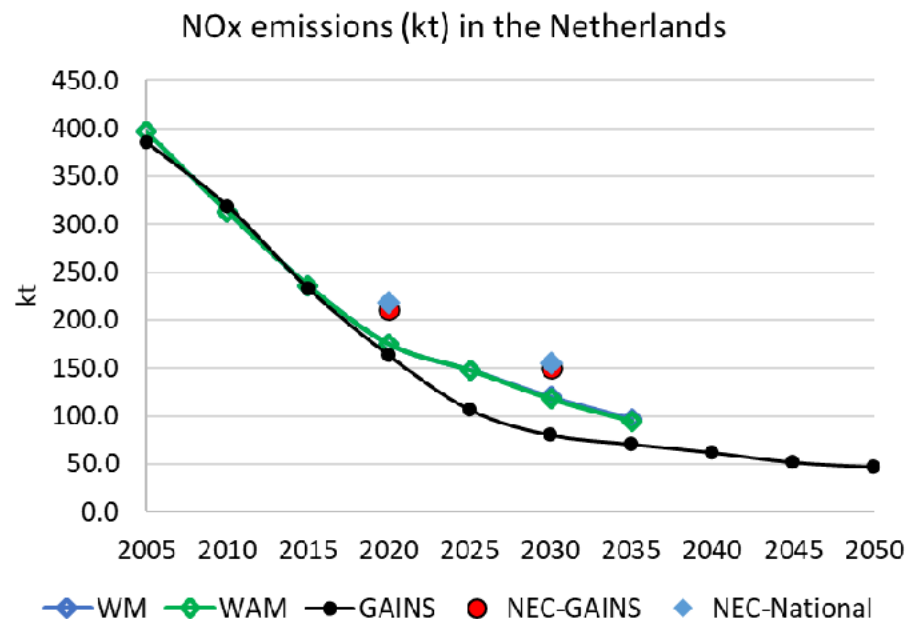


Based on the current MTR scenario, there is little room for improvement in this area.

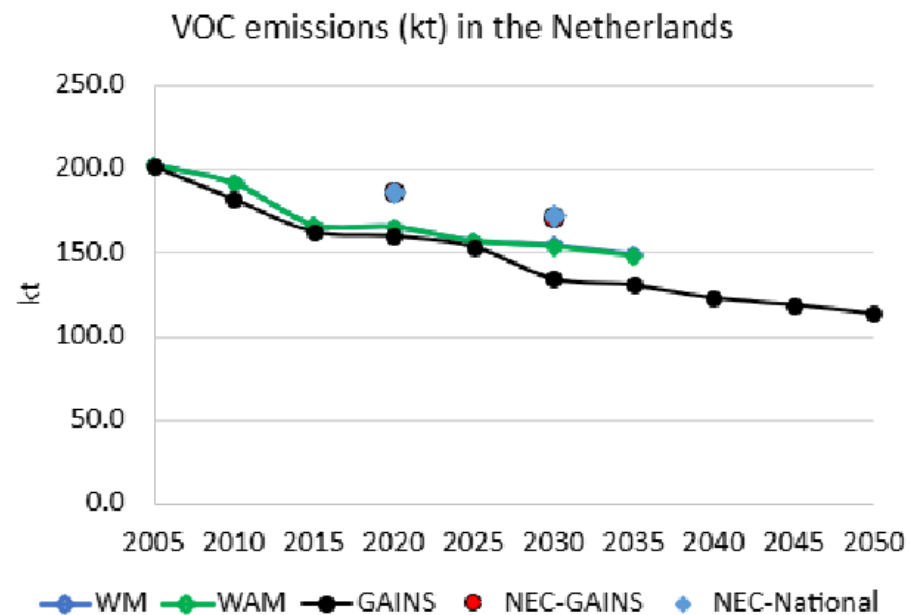


NOx and NMVOC

The Netherlands may have more ambitious targets for NOx and NMVOC.



Main difference: road transportation (GAINS projections assume cleaner vehicle fleet)



Main difference: consumption (GAINS projections assume faster consumption)



Limitations

- > A **limitation** of this analysis is that the **national scenarios** and the **GAINS scenarios** are not aligned in terms of **timeline**.
 - The CAO5 is being prepared this year, and the report is expected after the summer.
 - The national scenarios are currently being worked on; the report and figures are expected to be ready in December 2026 / January 2027.
- > Projections are made by **PBL** (not RIVM). Since **last year**, they have become **more involved** and have also participated in the bilateral consultations

