NECD Emission Projections Review 2023:
Lesson learned & recommendations
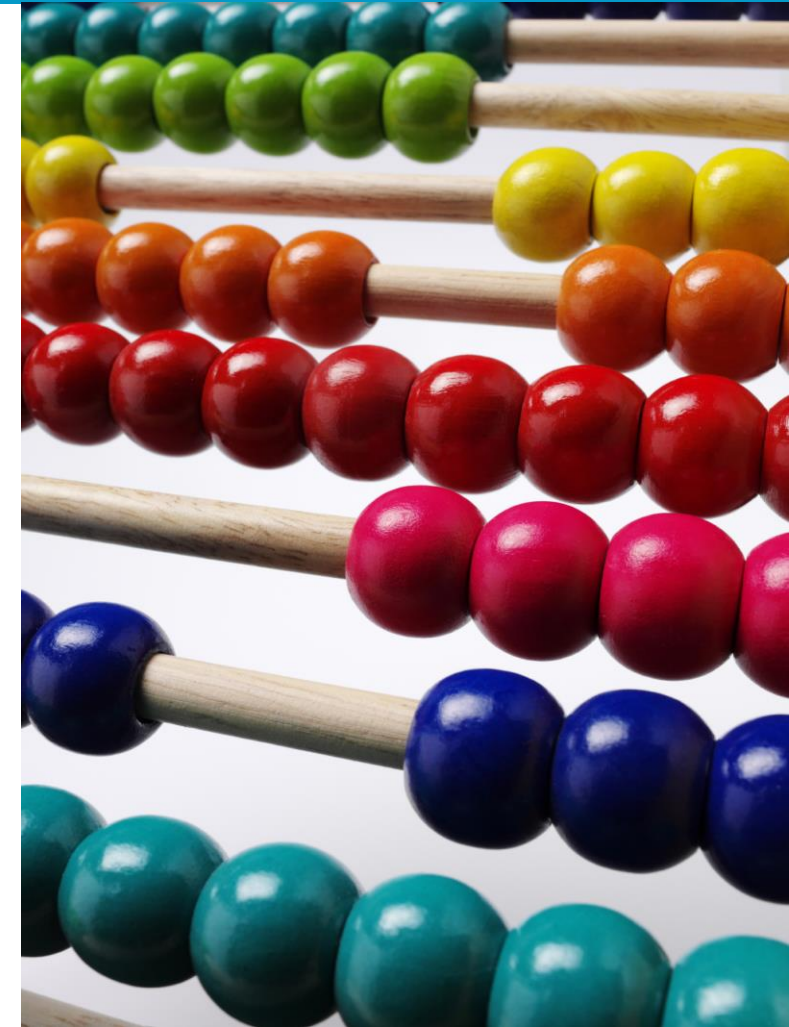
15th May 2024
Dr Chris Dore

Aether

Contents

1. Overview
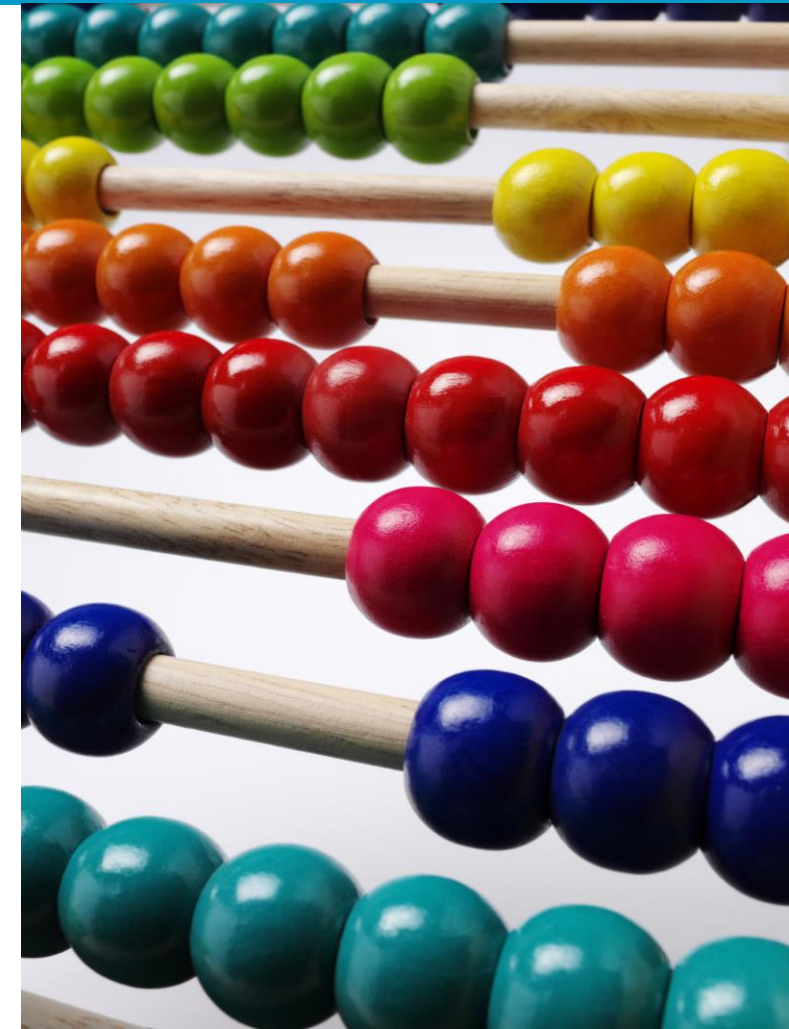2. Review findings
3. Conclusions & considerations

1. Overview

Purpose of the review – to determine the:

- Quality & reliability of Member State submissions
- Extent to which Member State projections predict compliance with emission reduction commitments.

Scope:

- SO_2, NO_X, NH_3, NMVOC, $PM_{2.5}$, (BC)
- 2025, 2030, (2040, 2050)
- All NFR codes
- Submissions made by 26th April *
- Initial checks, desk review, centralised review, review reports
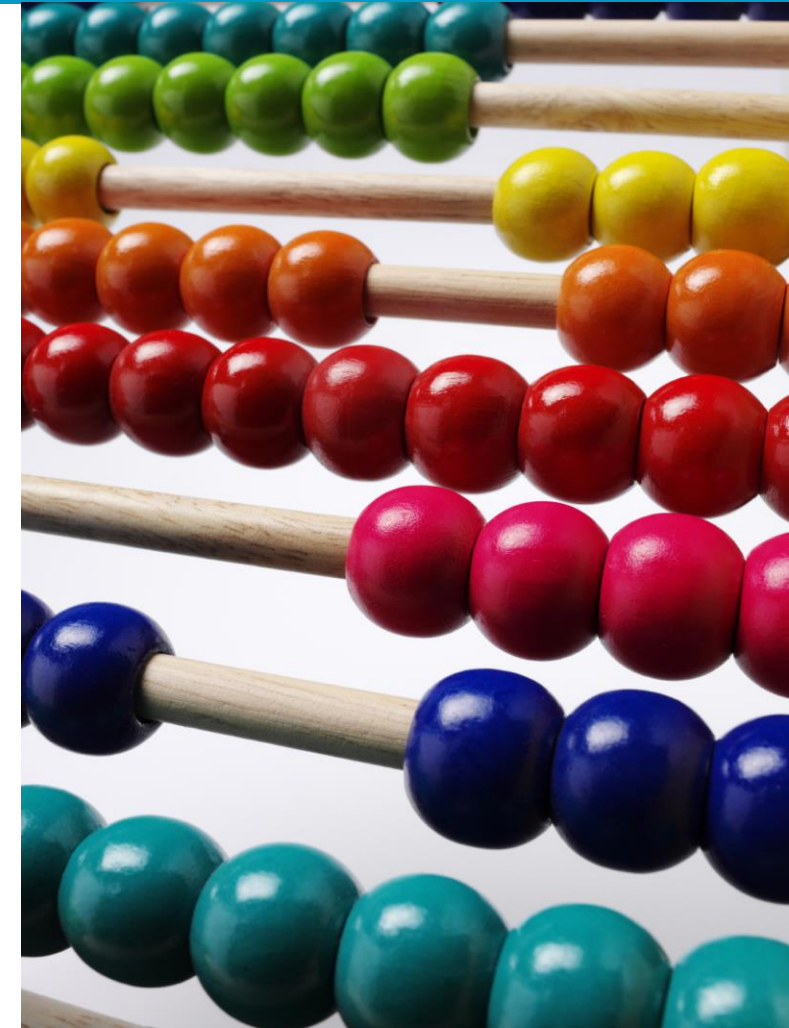
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2. Review findings

Submissions overview:

- Less than half of the Member States reported on time
- Some resubmitted 2021 projections datasets
- Some did not use an up-to-date reference year

- Projected compliance (2025) with 2020-2029 ERCs (out of 22)

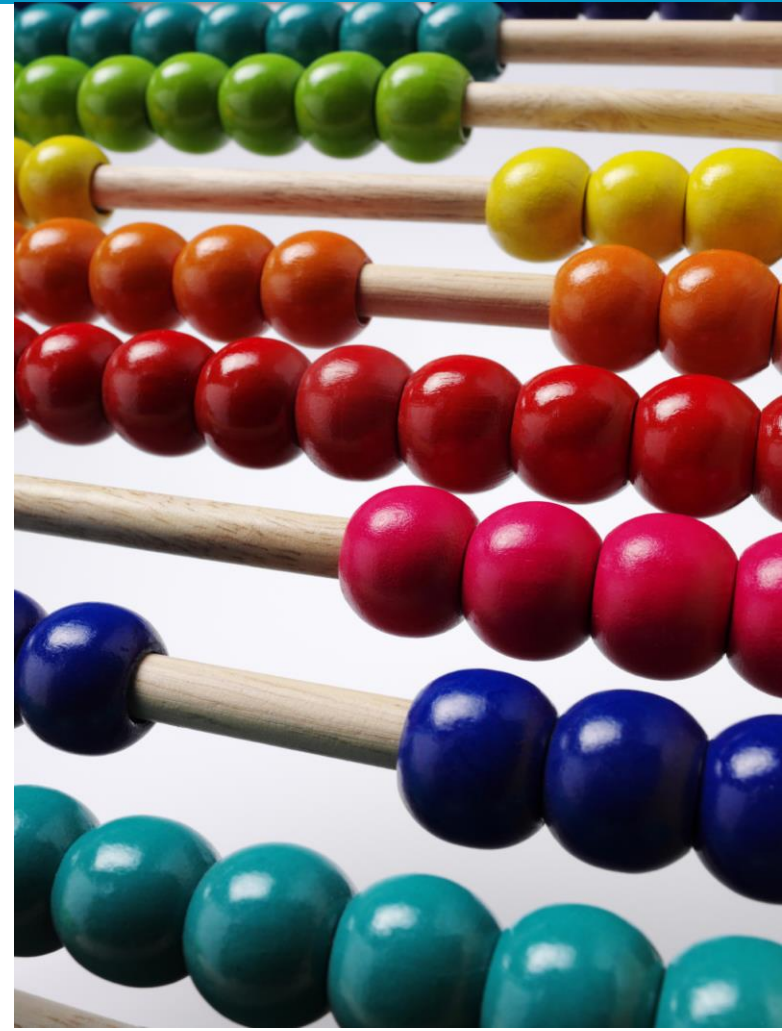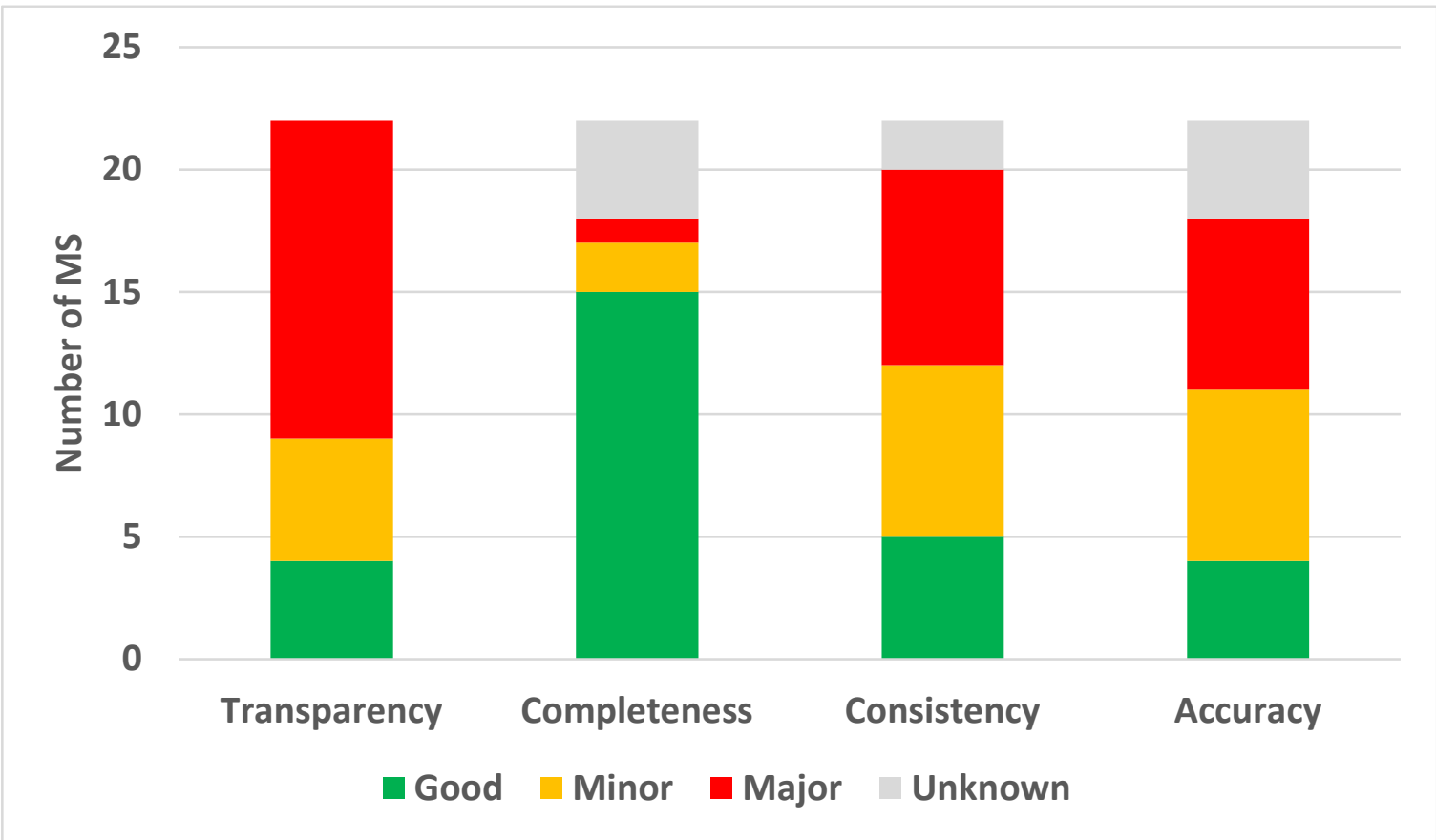|	SO$_2$	NO$_x$	NMVOC	NH$_3$	PM$_{2.5}$
Member States reporting compliance in 2025 under a WM scenario	22	20	20	17	21
Member States reporting compliance in 2025 under a WM and/or WAM scenario	22	21	20	21	22

- Projected compliance (2030) with 2030+ ERCs (out of 22)

	SO$_2$	NO$_x$	NMVOC	NH$_3$	PM$_{2.5}$
Member States reporting compliance in 2030 under a WM scenario	21	**15**	**17**	**12**	**16**
Member States reporting compliance in 2030 under a WM and/or WAM scenario	22	19	19	19	21

2. Review findings

Overview of quality:

Overview of recommendations:

Recommendations by NFR Sector

- Energy
- Transport
- IPPU
- Agriculture
- Waste
- National totals
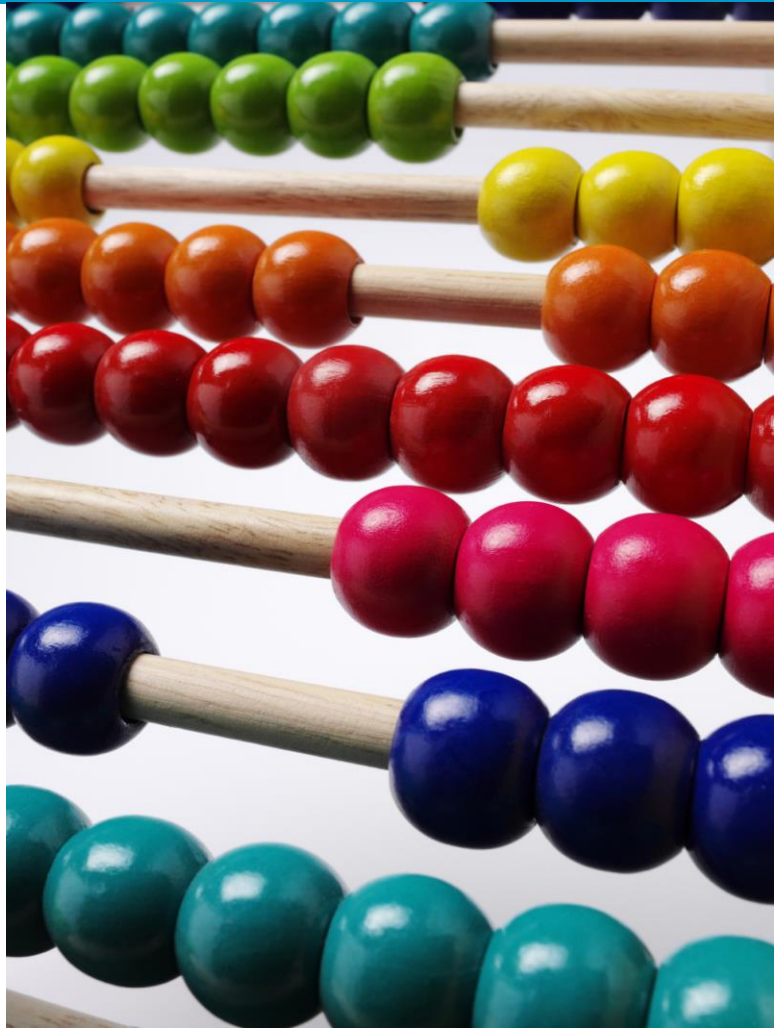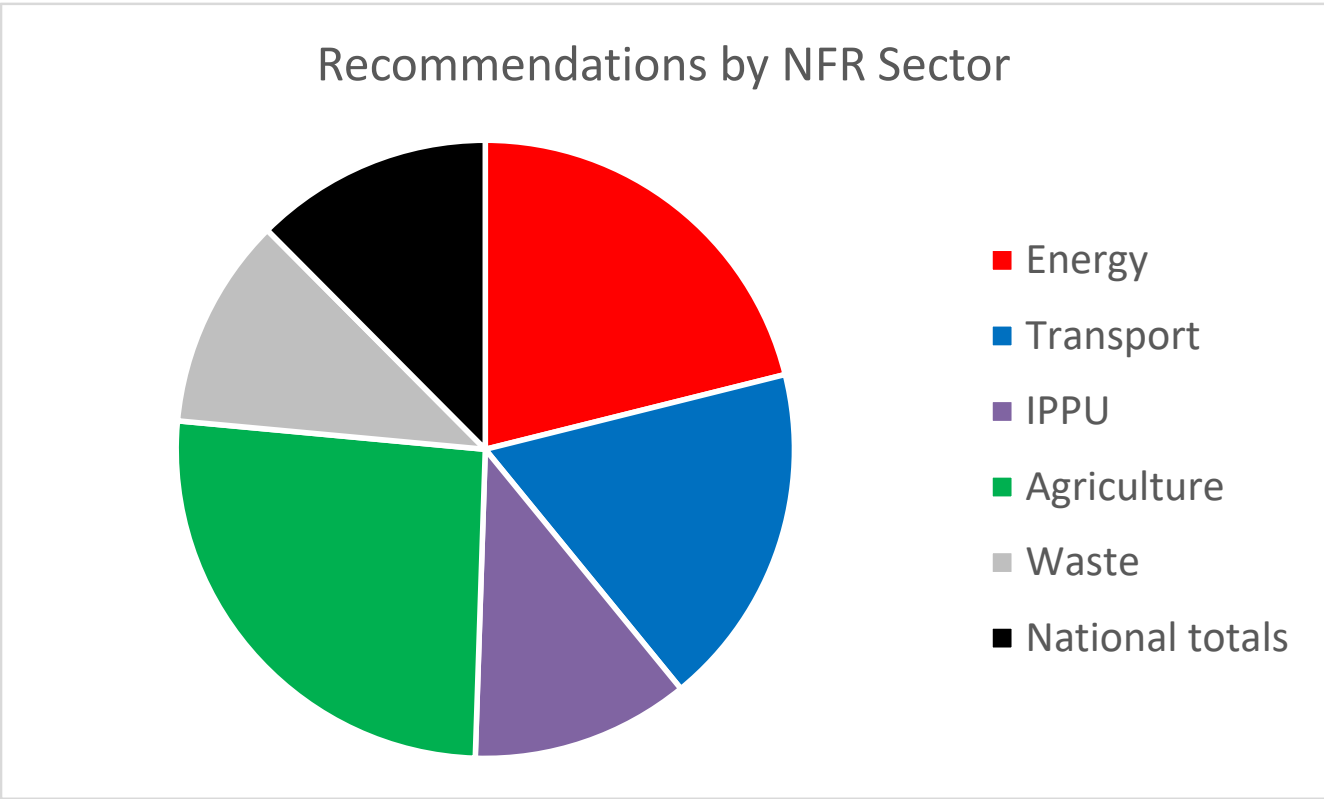
3. Conclusions and considerations

Less than half of the Member States reported on time
- Would it help to have a larger gap between the submission dates for the emissions inventory and the projections?

Transparency remains a major quality issue for many Member States
- Would it help to update the IIR template? And/or provide clearer expectations regarding the reporting of methodological detail?

Accuracy - progress still needed for some Member States

Agriculture is the sector with most recommendations
- Can better guidance be provided on agriculture PaMs and reporting expectations?

Air Quality
Switch off engine