

# Update from the Commission Directive (EU) 2016/2284

TFEIP – 11 May 2020

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# EU Clean Air Policy – The policy framework

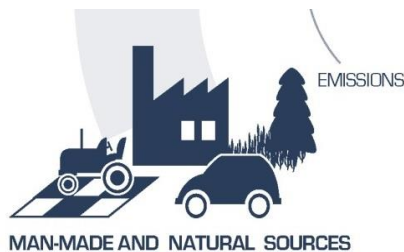


## Air Quality Directives

Maximum concentrations of air polluting substances

## CONCENTRATIONS

## EMISSIONS



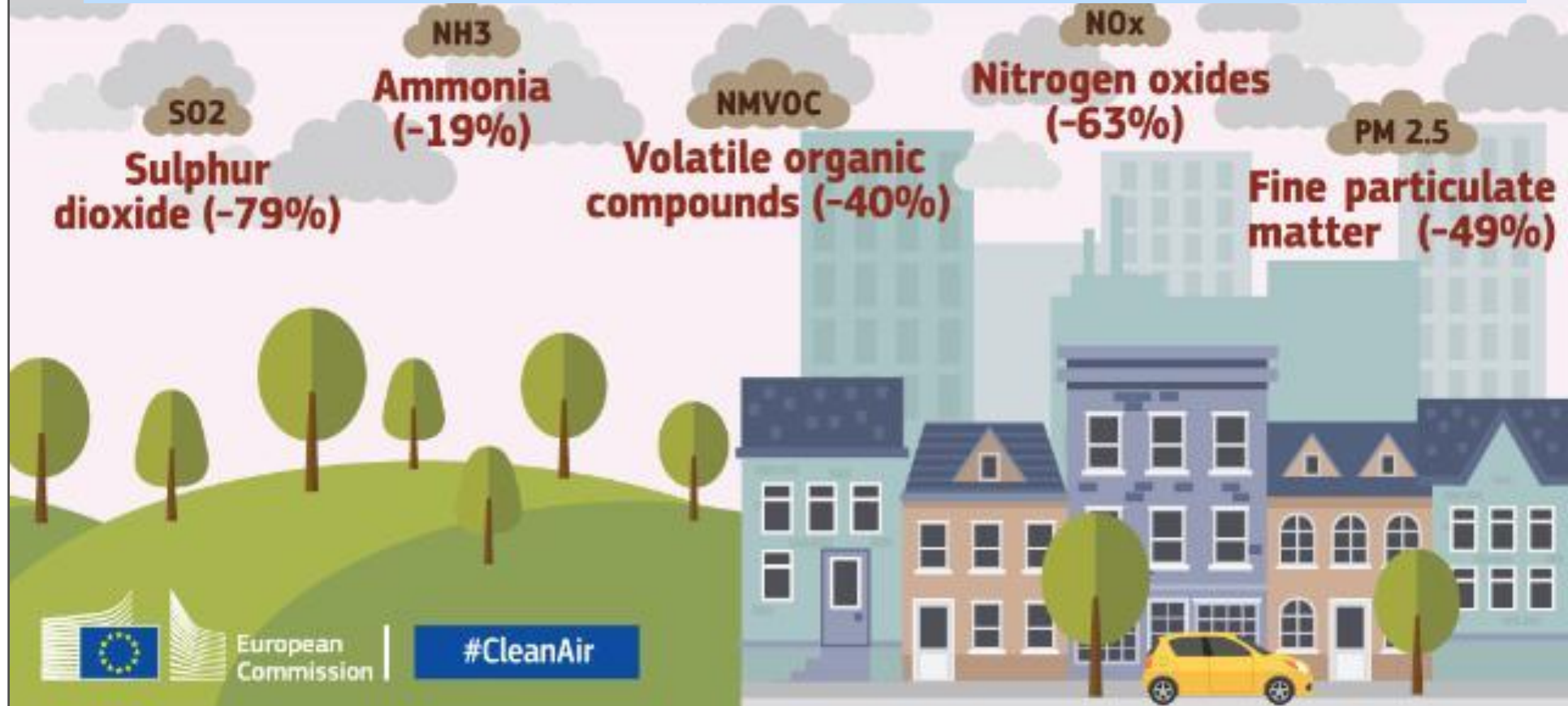
### NEC Directive

Emission Reduction Commitments for  $\text{SO}_2$ ,  $\text{NO}_x$ , VOC,  $\text{PM}_{2.5}$ ,  $\text{NH}_3$

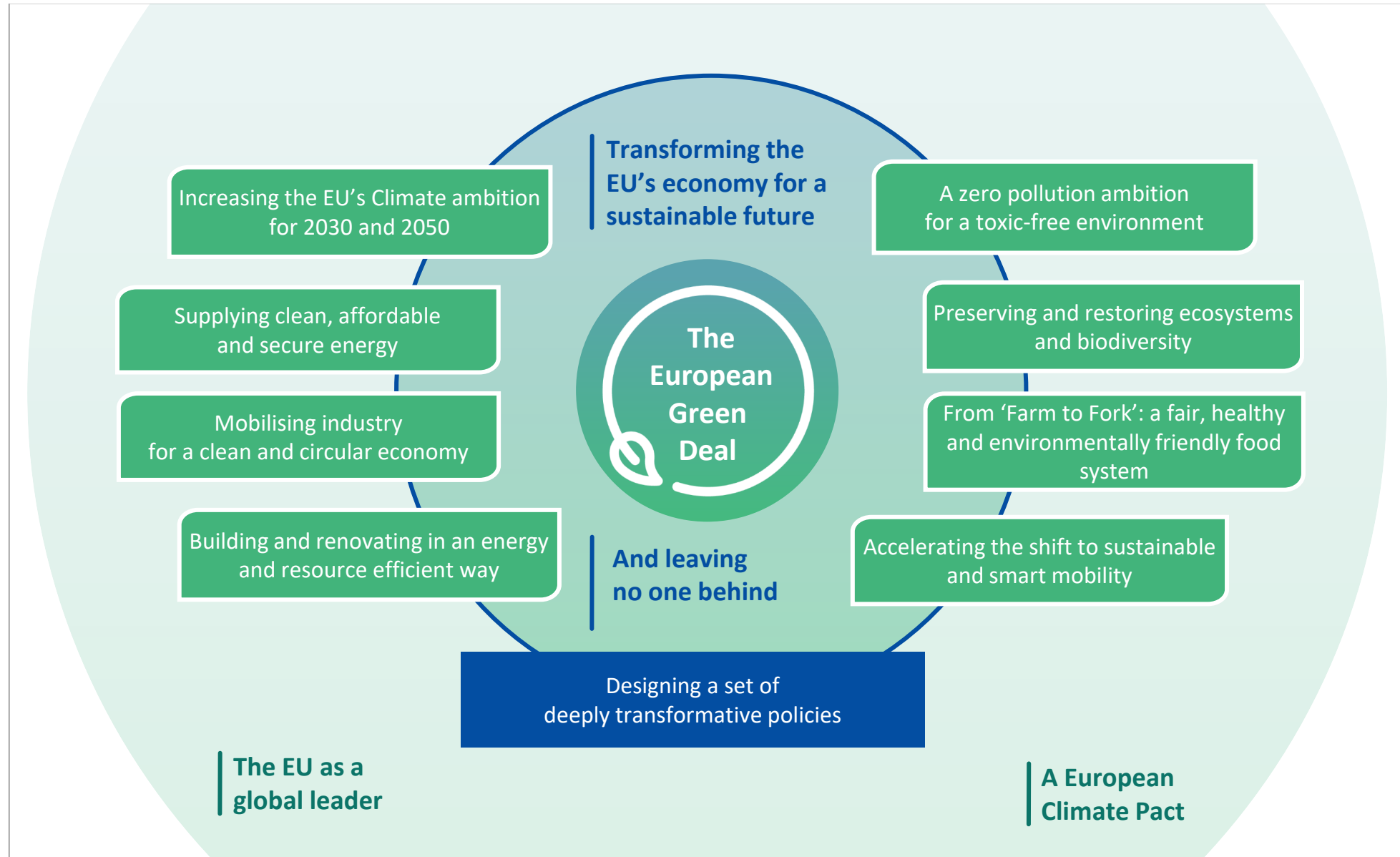
### Source-specific emission standards

- IED Directive
- MCP Directive
- Eco-design Directive
- Energy efficiency
- Euro and fuel standards

# Pollutants covered by the NEC Directive and EU wide 2030 Emission Reduction Commitments



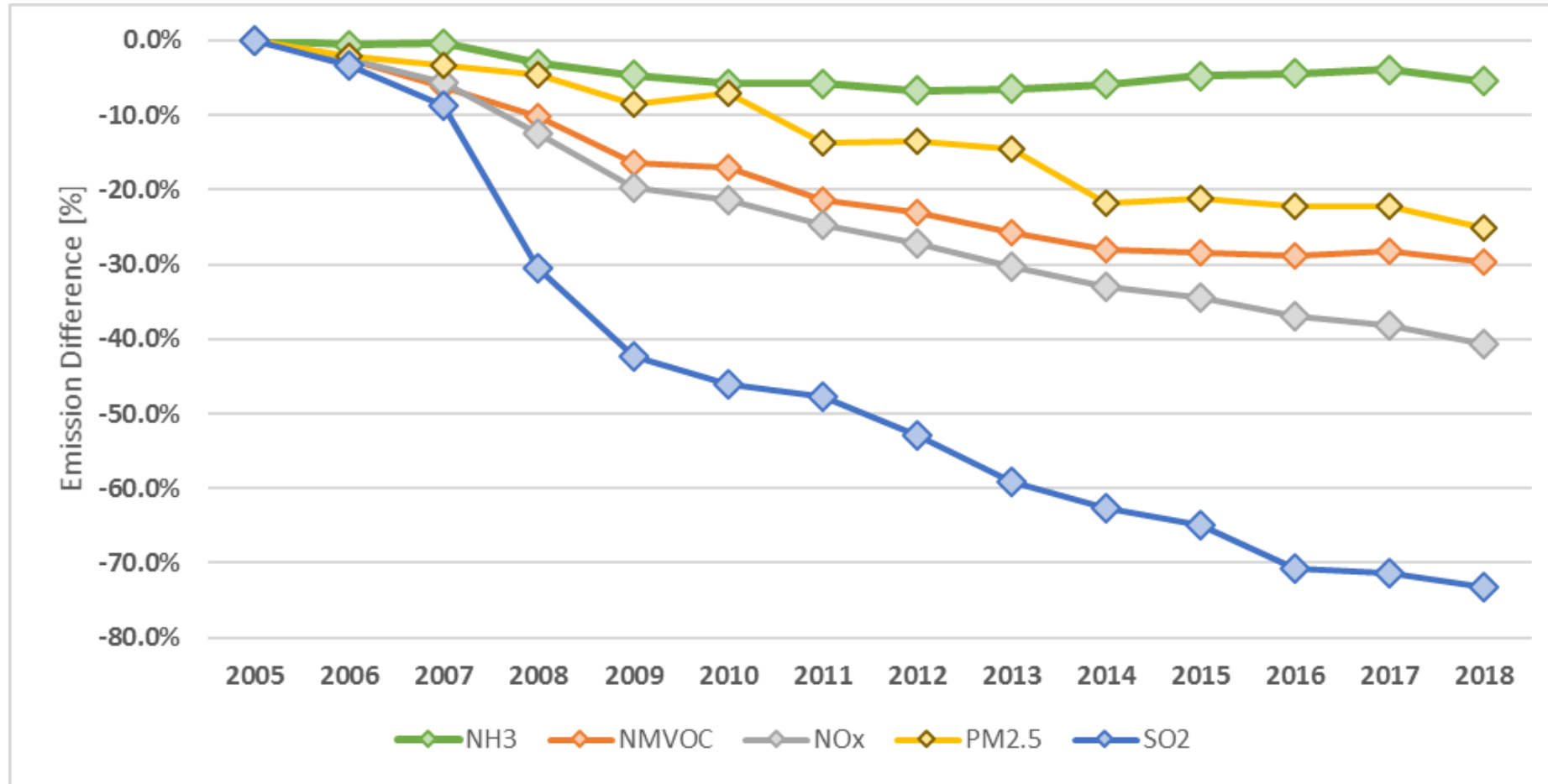
# The European Green Deal



# NECD implementation: Main updates

- State of play in emission reductions and fulfilment of legal requirements
- Emission inventories
- Emissions projections and National Air Pollution Control Programmes
- Forthcoming reports: NEC implementation report and 2<sup>nd</sup> Clean Air Outlook

# Emission trend (2005 – 2018) – Main Pollutants – Preliminary



- **NH<sub>3</sub>: - 5%**
- **NMVOC: -30%**
- **NO<sub>x</sub>: -41%**
- **PM<sub>2.5</sub>: -25%**
- **SO<sub>2</sub>: - 73%**

# State of play: compliance (preliminary)

- All MS are in compliance with their NO<sub>x</sub> and SO<sub>2</sub> ceilings.
- Five MS not in compliance with NH<sub>3</sub> ceiling, one for NMVOC.
- EU28 is below its emission ceilings for all pollutants in every year since 2010.

## More information on current state of play

- <https://www.eea.europa.eu/data-and-maps/daviz/eu-progress-in-meeting-its-1#tab-dashboard-01>
- <https://www.eea.europa.eu/publications/nec-directive-reporting-status-2019>
- <https://www.eea.europa.eu/publications/air-quality-in-europe-2019>



# Emission Inventories Review

- Results of 2019 review
- Update on 2020 review - ongoing

# SCOPE OF INVENTORIES REVIEW 2019

Follow-up of the NECD Review 2017 and 2018	Second phase of the in-depth review of national emission inventories of POPs and heavy metals	Review of adjustment applications
A detailed review to verify that Member States have integrated the REs, TCs and other relevant recommendations from the 2017 and 2018 in-depth review	In depth review – <b>including the calculation of technical corrections and revised estimates</b> of POPs and HM: Taking into account the latest reporting cycle and the output of the initial review carried out in 2018	Submitted and accepted in 2019: NL (for NH3 and NMVOC in Agriculture) and adjustments accepted in 2018 and re-submitted (AT, BE, DE, DK, ES, FI, FR, GB, HU, IE, LU)

RE ....Revised Estimate

TC...Technical Correction

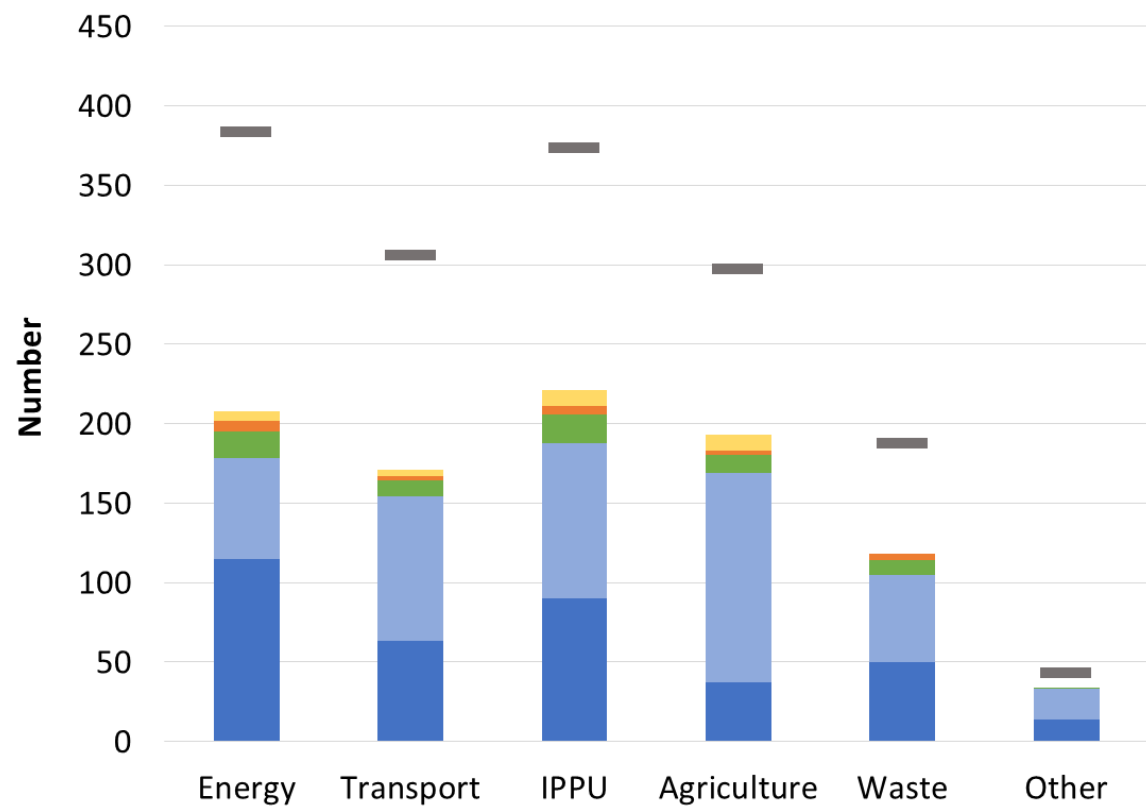
Source: adapted from Sabine Schindlbacher (EAA), Chris Dore (Aether), Emma Salisbury (Aether)

# SOME FINDINGS OF 2019 REVIEW

Class of findings	Recommendation	Revised Estimate	Technical Correction	Potential Technical Correction	Sum
Follow-up Main Pollutants	200	9	6	12	227
Additional Main Pollutants	221	18	7	12	258
Follow-up Heavy Metals and POPs	126	12	5	1	144
Additional Main Pollutants	255	27	4	5	291
<b>Sum</b>	<b>802</b>	<b>66</b>	<b>22</b>	<b>26</b>	<b>920</b>

PTC: If an issue was above the threshold of significance but the suggested improvement was too complex to be calculated by the technical expert review team or the Member State in the course of the review the issue stayed a PTC and the Member State was asked to implement the improvement in a future submission

# 2019 review: Findings per sector



Recommendations  
repeated 3 times

	Number of 3-year flags	Of which key category
Belgium	7	2
Bulgaria	24	6
Croatia	10	4
Cyprus	6	4
Czechia	26	5
Denmark	1	1
Estonia	6	1
Finland	2	
France	3	1
Germany	5	
Greece	1	1
Hungary	3	1
Ireland	8	1
Italy	6	2
Lithuania	29	6
Luxembourg	11	1
Malta	13	5
Poland	11	5
Portugal	9	4
Romania	4	1
Slovenia	7	1
Sweden	4	2
The Netherlands	11	1
<i>United Kingdom</i>	<i>2</i>	<i>1</i>
<b>Total</b>	<b>209</b>	<b>56</b>

# 2020 REVIEW - ONGOING

- Member States reported their inventories mostly on time (legal deadlines are 15/02 and 15/03 for resubmissions).
- Methods used for review are quite similar to previous years, with a focus this year on gridded data and large point sources, which were submitted in the period of 2017 – 2020.
- Only Czechia submitted a new adjustment this year (for NMVOC in agriculture) and 12 Member States and the UK have re-submitted previously accepted adjustments.
- Results of the review will be available later in the year.

# Focus of the next inventories reviews

- 2021: CO, PM10, Black Carbon
- 2022: SO<sub>2</sub>, NO<sub>x</sub>, NMVOC, NH<sub>3</sub>, PM<sub>2.5</sub>
- 2023: POP and heavy metals

# Ongoing work with JRC on agriculture inventories

- Objective: develop a tool to help MS move to higher tiers in agricultural emissions inventories.
- ...but this will be best explained by Monica Crippa on Tuesday



# MORE INFORMATION ON INVENTORIES

All inventories and IIR available at:

<http://cdr.eionet.europa.eu/ReportekEngine/searchdataflow>

Review results:

<https://ec.europa.eu/environment/air/reduction/implementation.htm>

- Review of national emission inventories
- Applications for emission inventory adjustments

# Projected emissions

## Attainment of the Emissions Reduction Commitments in the “With Measures” projections submitted in 2019

		AT	BE	BG	HR	CY	CZ	DK	EE	FI	FR	DE	EL	HU	IE	IT	LV	LT	LU	MT	NL	PL	PT	RO	SK	SI	ES	SW	UK	✓	*	
NO <sub>x</sub>	2020	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✓	✓	✗	✓	✗	✓	✗	✓	✓	✓	✓	22	6
	2030	✗	✓	✗	✓	✓	✗	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✓	✗	✓	✓	✗	✗	✓	✗	✗	✗	✗	13	15
NMVOCs	2020	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	✓	✗	✗	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	20	8
	2030	✗	✓	✗	✓	✓	✗	✓	✓	✓	✗	✓	✓	✗	✗	✗	✗	✗	✗	✗	✓	✓	✗	✗	✓	✗	✗	✓	✗	✗	12	16
SO <sub>2</sub>	2020	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	27	1
	2030	✓	✓	✓	✓	✓	✓	✗	✓	✓	✗	✗	✓	✗	✗	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗	✓	✗	16	12
NH <sub>3</sub>	2020	✗	✓	✓	✓	✓	✓	✗	✗	✓	✗	✗		✗	✗	✓	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✗	✗	#	13	
	2030	✗	✗	✗	✓	✓	✗	✗	✗	✓	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗	✓	✗	✓	✓	✓	✓	✗	✗	✗	9	19	
PM <sub>2.5</sub>	2020	✓	✓	✗	✓	✓	✓	✗	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✗	✓	✓	✓	✓	✗	✓	✓	✗	✓	✗	21	7	
	2030	✗	✓	✗	✓	✓	✓	✗	✓	✓	✗	✓	✓	✗	✓	✗	✗	✗	✗	✓	✓	✗	✗	✗	✓	✗	✗	✓	✗	13	15	

# NAPCPs:

## State of submission on 22/04/20

	State of NAPCP	Submission date	Comments
(AT)	Final	31 July 2019	
(BE)	Final	1 April 2019	
(BG)	Final	17 September 2019	
(CY)	Final	24 May 2019	
(CZ)	Final	20 December 2019	
(DE)	Final	22 May 2019	
(DK)	Final	1 April 2019	
(EE)	Final	29 March 2019	
(EL)			
(ES)	Final	3 October 2019	
(FI)	Final	29 March 2019	
(FR)	Final	9 October 2019	
(HR)	Final	11 October 2019	
(HU)	Draft	6 August 2019	To COM only
(IE)	Final	13 February 2020	
(IT)	Draft	1 April 2019	
(LT)	Final	2 June 2019	
(LU)	Draft	3 May 2019	To COM only
(LV)	Final	16 April 2020	
(MT)	Final	18 March 2020	
(NL)	Final	1 April 2019	
(PL)	Final	27 June 2019	
(PT)	Final	1 April 2019	
(RO)			
(SE)	Final	1 April 2019	
(SI)	Final	10 October 2019	
(SK)	Final	3 March 2020	
(UK)	<i>Final</i>	<i>29 March 2019</i>	

# NAPCPs: State of submission

- All information available on:
- <https://ec.europa.eu/environment/air/reduction/NAPCP.htm>
- <http://cdr.eionet.europa.eu/ReportekEngine/searchdataflow>
- <https://www.eea.europa.eu/data-and-maps/dashboards/overview-of-compliant-air-pollution-policies>

# NAPCP analysis: Methodology

- **Criteria in the Directive (Art. 6 and Annex III), the format and the guidance**
- **NAPCP and projections assessed in parallel**
- **Links with NECP checked**
- **Assessment of the risk of non-compliance, based on quality of projections, of the NAPCPs, their consistency, the margins of achievement of the emissions reduction commitment, the credibility of the proposed measures.**

# Commission NEC implementation report

**Planned for Q2 2020**

**All NEC requirements looked at**

**Clean Air Funding tracking methodology developed and used**

# 2<sup>nd</sup> Clean Air Outlook

- COM communication planned for Q4 2020
- Ongoing modelling work:
  - -> Update modelling framework (inventories changes, latest EU-policy developments, NAPCP eg)
  - -> Analysis of differences between policy scenarios and baseline (emissions, costs, air quality, benefits)

## More information

<http://ec.europa.eu/environment/air/reduction/implementation.htm>

DG Environment

Unit C.3: Clean Air

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# Thank you



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