



Zero Pollution Stakeholder Conference - 14 December 2022

The Zero Pollution Monitoring and Outlook 2022 – Health: deep dive

Focus on the **Third Clean Air Outlook** results

*European Commission, DG ENV,  
Clean air and urban policy*

# Third Clean Air Outlook: Contribution to the Zero Pollution Outlook, and more

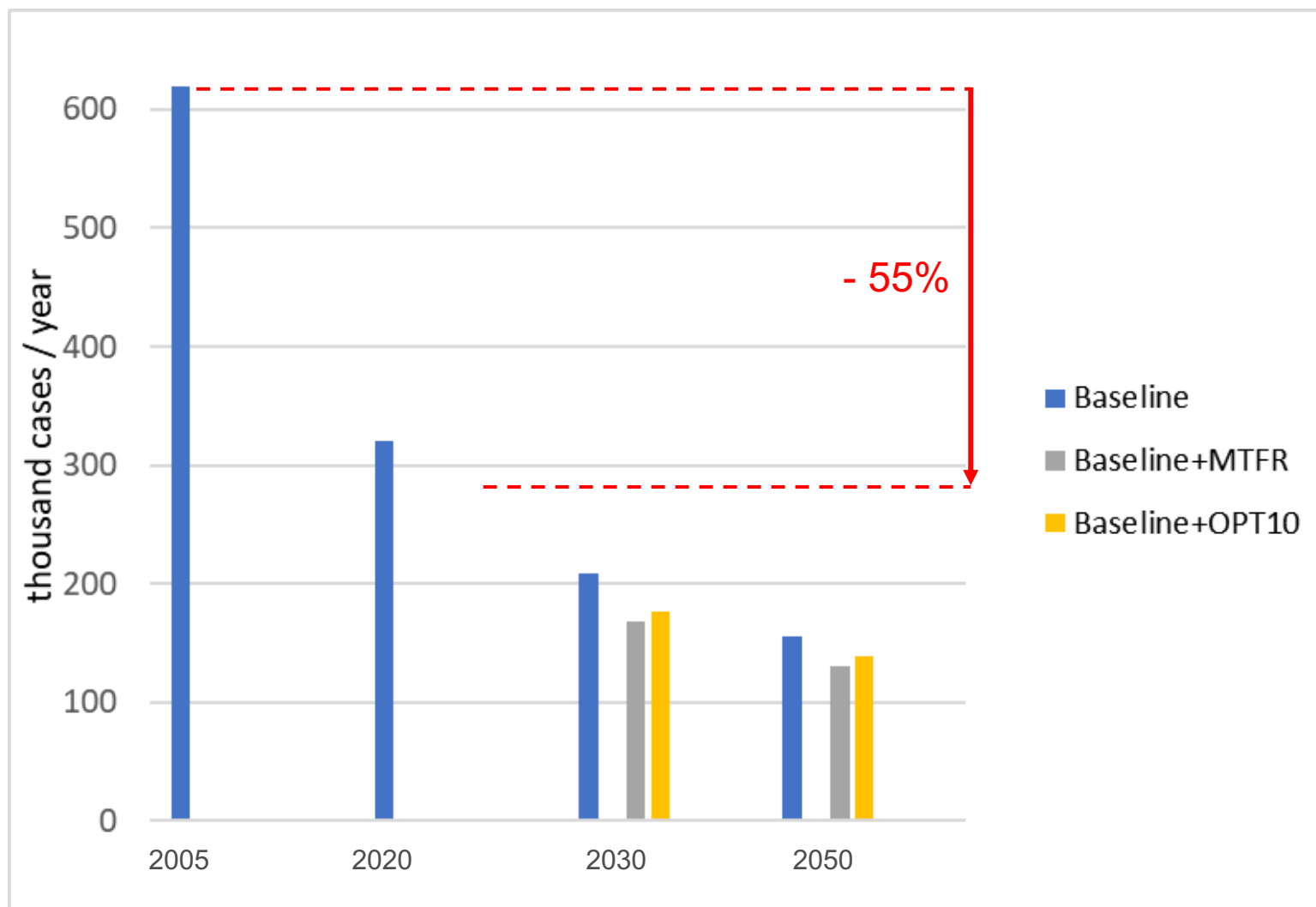
COM (2022) 673  
adopted on 8 Dec 2022

- Regular modelling exercise
- Linked to NEC Directive 2016/2284
- Various scenarios for the future (2030 and 2050):
  - Baseline
  - Maximum Technically Feasible Reductions
  - Fulfilment of proposed revised AAQD standards
  - Switch to a flexitarian diet
  - Change in energy mix reflecting the energy crisis

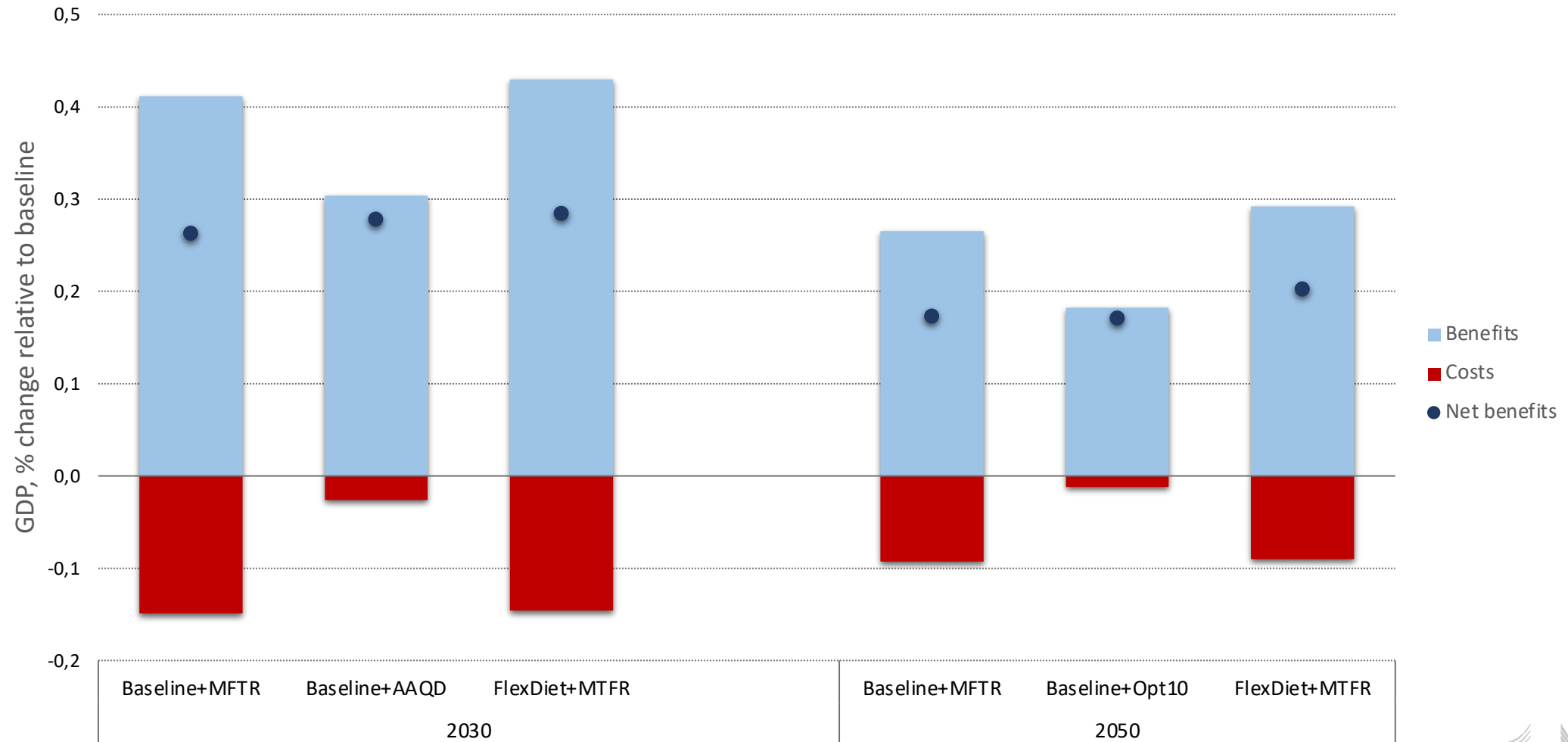
## Third Clean Air Outlook: Methodology and assumptions

- GAINS model (IIASA)
- Policies included in the baseline:
  - Fit for 55 energy and climate policies
  - (partially) proposals on revised IED and Euro 7
  - Consultations with Member State on baseline
- Health impacts: concentration response functions updated (WHO 2021 guidelines)
- Macroeconomic impacts: GEM-E3 model by JRC

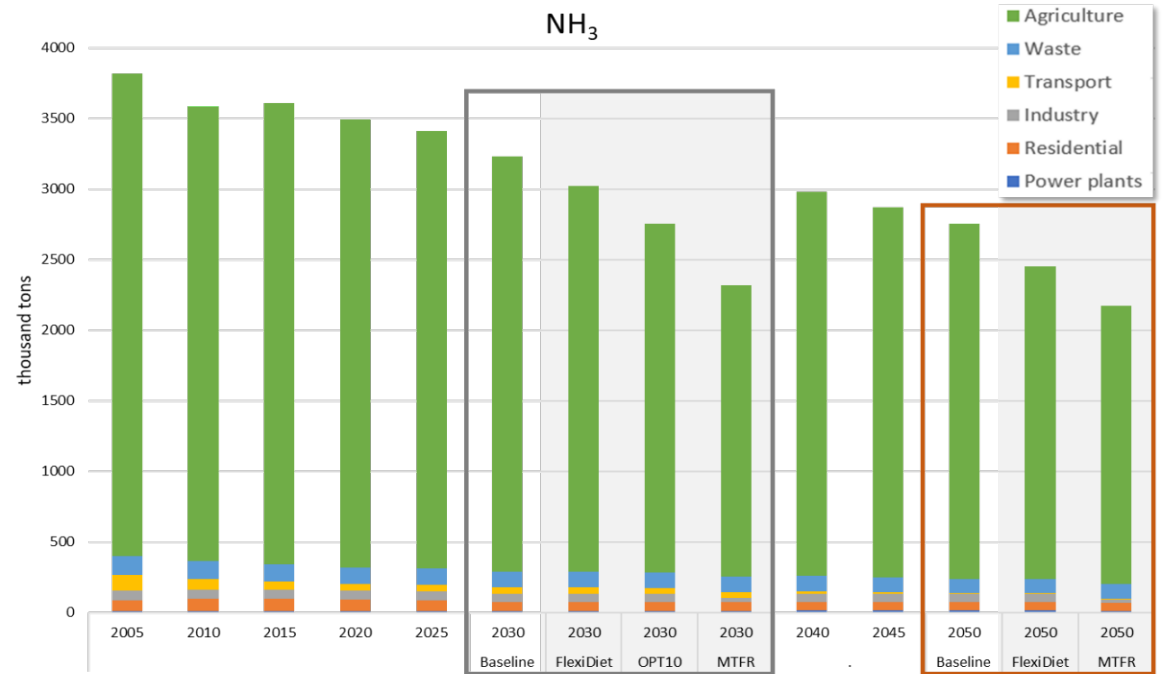
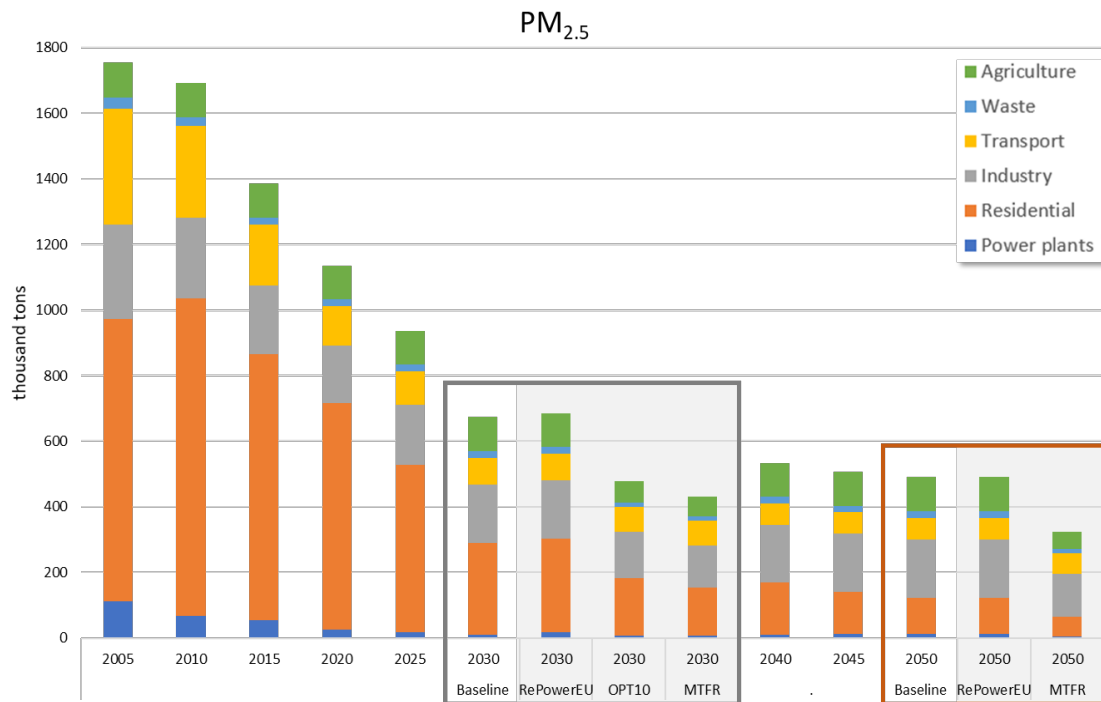
# Good prospects of reducing health impacts of air pollution by more than 55% in 2030 compared to 2005



# Reducing air pollution always brings economic benefits



# Projected emissions of air pollutants



# 2030 projected non-compliance with NEC Directive

Scenario	NH <sub>3</sub>	NMVOC	NO <sub>x</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>
Baseline	BE, BG, CZ, DK, DE, IE, ES, FR, HR, CY, LV, LT, LU, HU, NL, AT, PL, PT, RO, SK	ES, LT, HU, SI	MT	DK, ES, HU, SI	-
Stricter air quality standards	CZ, DK, DE, IE, CY, LV, LT, LU, AT	-	MT	-	-
All technical measures	-	-	MT	-	-

# More information

[https://environment.ec.europa.eu/topics/air/clean-air-outlook\\_en](https://environment.ec.europa.eu/topics/air/clean-air-outlook_en)

## PAGE CONTENTS

[Overview](#)

[Methodology](#)

[Reports](#)

## Overview

The Commission publishes Clean Air Outlook reports analysing the prospects for reducing air pollution in the EU by 2030 and beyond. They are based on modelling work and assess the extent to which the emission reduction obligations of the NEC Directive ([Directive \(EU\) 2016/2284](#)) would be met under various policy scenarios. They assess the implications of emission reductions in terms of air quality, health, ecosystem impacts and their costs and benefits to society. Clean Air Outlook reports also present results informing related policy areas, such as work under the [Zero Pollution Action Plan](#) and its outlook, interactions between climate and energy policies and clean air, etc.

## Methodology

Clean Air Outlook reports have so far been broadly based on the same (but updated) methodological approach as the one followed for the preparation of the Commission's NEC proposal and accompanying analysis, as presented initially under the reports on the Thematic Strategy on Air Pollution (TSAP). Reports [TSAP 13](#) and [TSAP 16b](#) are of particular relevance.

## Reports

- December 2022: Third Clean Air Outlook and underpinning [consultant report](#) and [annex](#)
- January 2021: [Second Clean Air Outlook](#) and underpinning consultant [report and annex](#)
- June 2018: [First Clean Air Outlook](#) and the following [consultant reports](#)
  - overview report
  - economic analysis report
  - report on measures to address air pollution from agriculture
  - report on measures to address air pollution from small combustion sources





# Thank you



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