

STRATEGY, PRIORITIES AND OBJECTIVES OF THE CLIMATE POLICY OF THE CZECH REPUBLIC

Energy policy changes in Central Europe over the last 20
years in the light of current challenges

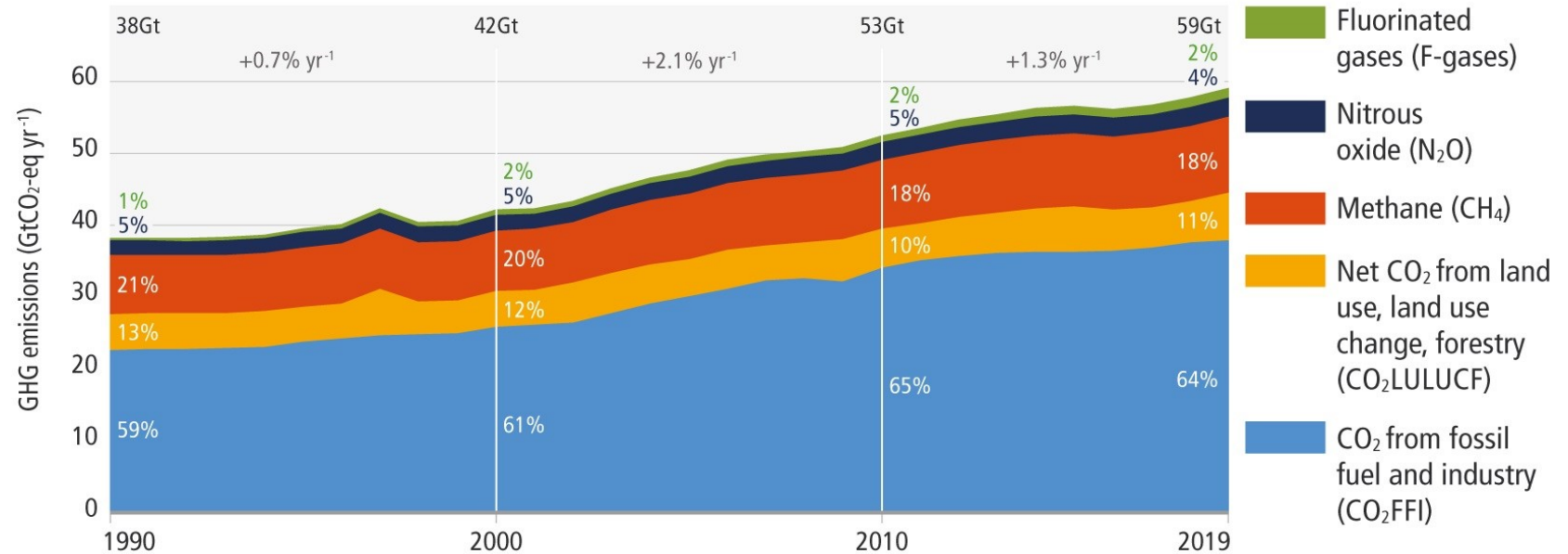
21st November 2022

Lukáš Minařík

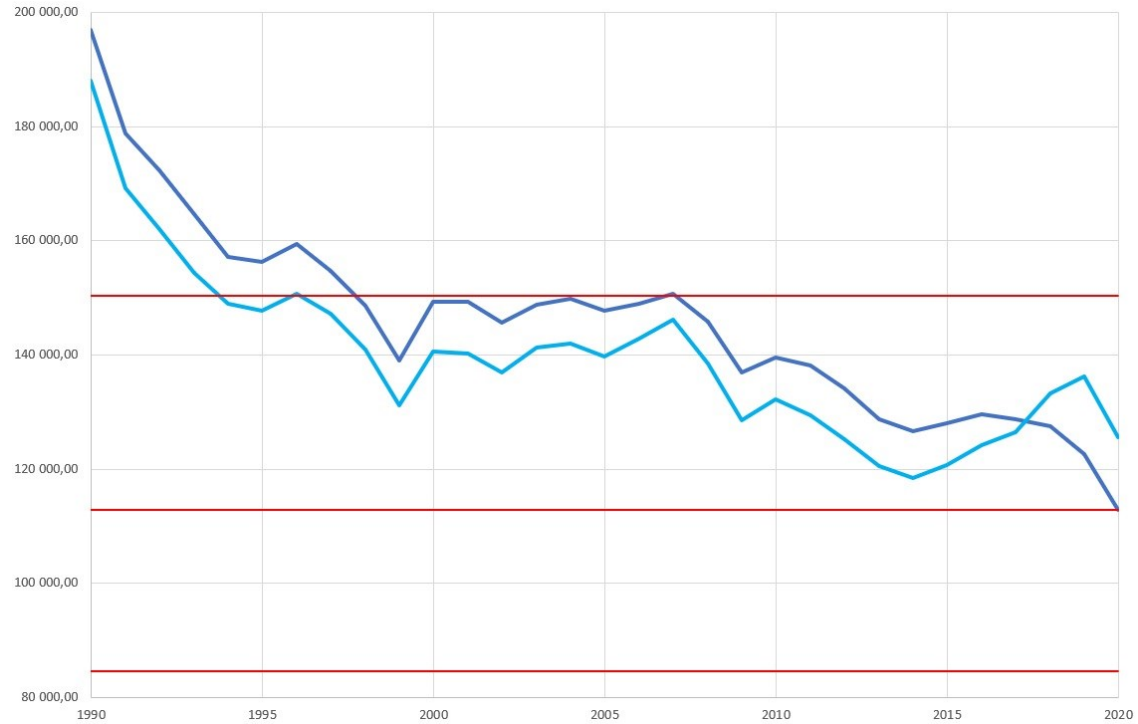
Ministry of the Environment of the Czech Republic



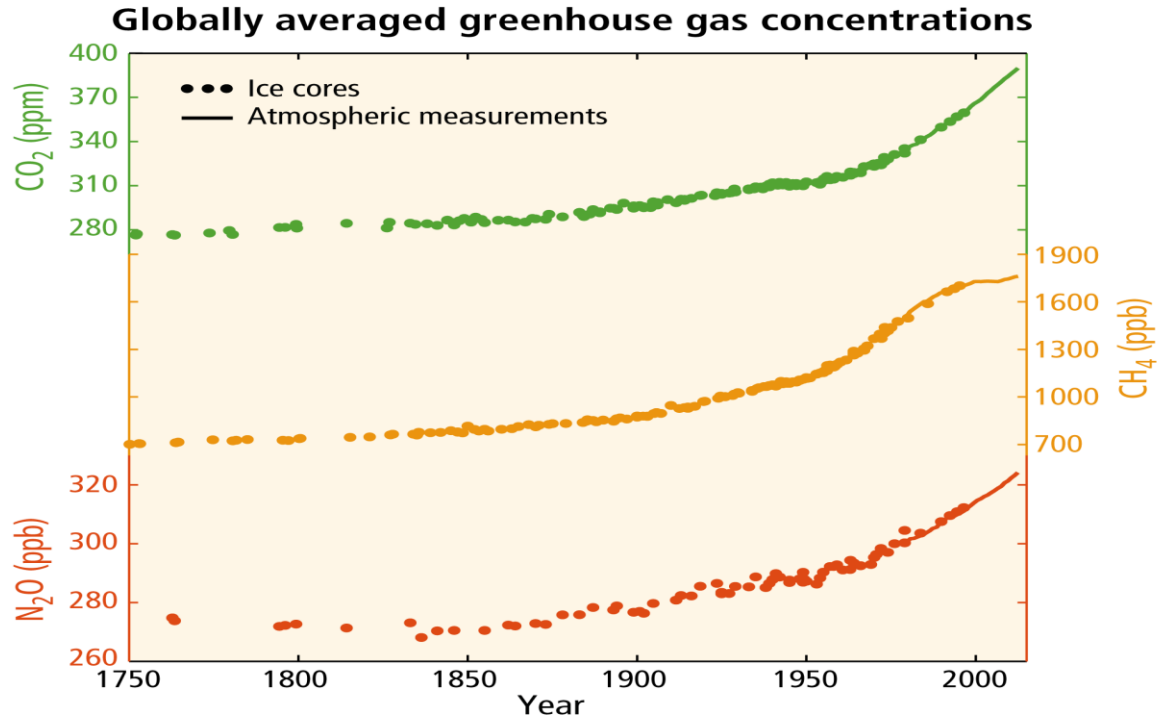
GLOBAL GHG EMISSIONS DEVELOPMENT



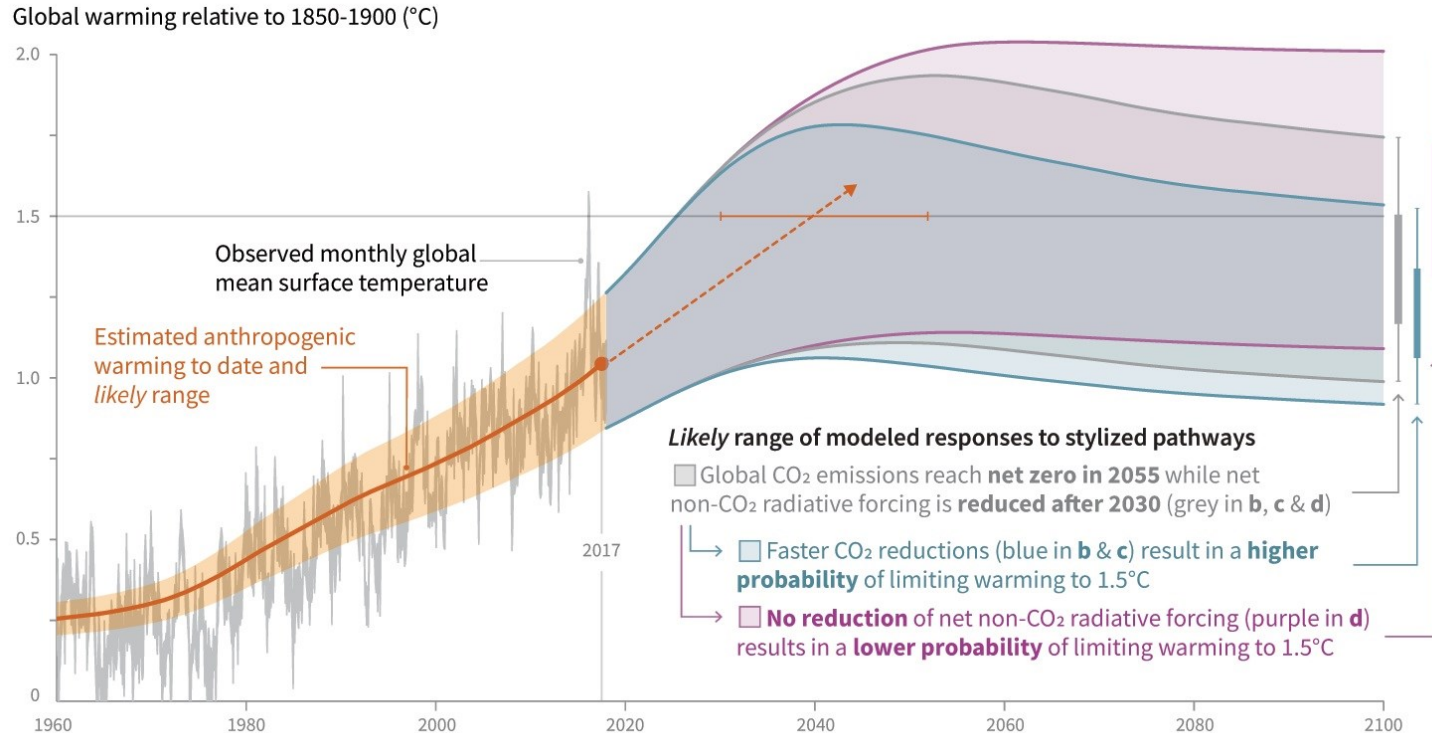
GHG EMISSIONS DEVELOPMENT IN THE CZECH REPUBLIC



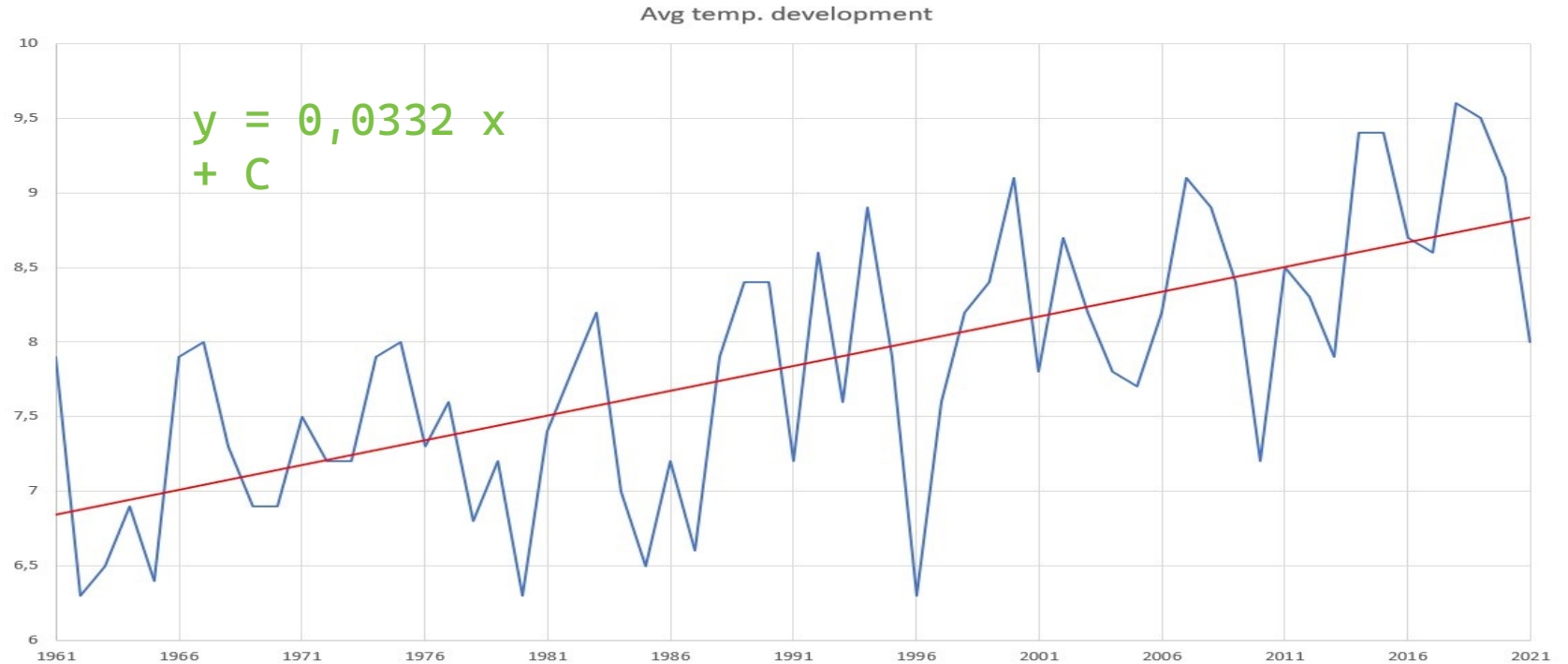
GROWTH OF GHG CONCENTRATION



GROWTH OF GLOBAL AVERAGE TEMPERATURE



GROWTH OF AVERAGE TEMPERATURE IN THE CZECH REPUBLIC



EU CLIMATE PROTECTION AND ENERGY TARGETS

	2020	2030	2030-FF55	2050
GHG	-20 %	-40 %	-55 %	-100 %
ETS	-21 %	-43 %	-61 %	
Non ETS	-10 %	-30 %	-40 %	
RES	20 %	32 %	40 %	
EE	20 %	32,5 %	36/39 %	
PES	1483 Mtoe	1273 Mtoe	1023 Mtoe	
FEC	1086 Mtoe	956 Mtoe	787 Mtoe	

FIT FOR 55

- EU ETS for buildings and transportation
- CBAM
- Social climate fund
- Revision of energy taxation
- CO2 limits for cars and vans
- EPBD revision
 - RES in buildings
 - Alternative mobility infrastructure
- Methane Directive and Methane Regulation

CLIMATE PROTECTION POLICY OF THE CZECH REPUBLIC

- Aims to decrease GHG emissions according to Paris Agreement, EU goals and domestic policies
- Approved by the Government on 22nd March 2017
- 42 measures in various sectors
- Complementary with Adaptation Strategy
- To be revised (closely together with State Energy Policy and National Climate and Energy Plan) by 2023
 - According to the Policy Statement of the Government
 - Reflecting on FF55, REPowerEU

CLIMATE PROTECTION POLICY OF THE CZECH REPUBLIC – GOALS

Main goals		
2020	-32 Mt CO _{2ekv}	Compared to 2005
2030	-44 Mt CO _{2ekv}	
Long term indicative goals		
2040	70 Mt CO _{2ekv}	Absolute yearly emissions
2050	39 Mt CO _{2ekv}	

- Reduce GHG emissions by 80 % by 2050 compared to 1990

MODERNISATION FUND

- Minimal allocation for CZ 150 billion CZK (15,6 % of the whole ModFond), based on EU ETS price more likely over 300 billion CZK
- Complementary to OP PIK, OP TAK, NPO a OP FST

- 9 support programmes

- HEAT
- RES+
- ENERG ETS
- ENERG
- TRANSCom
- TRANSGov
- ENERGOv
- KOMUENERG
- LIGHTPUB



Modernizace
teplárenství



Nové obnovitelné
zdroje energie



Snížování emisí
v průmyslu



Energetické úspory
v podnikání



Modernizace dopravy
v podnikání



Modernizace
veřejné dopravy



Energetické úspory
ve veřejných budovách



Komunitní
energetika



Modernizace veřejného
osvětlení

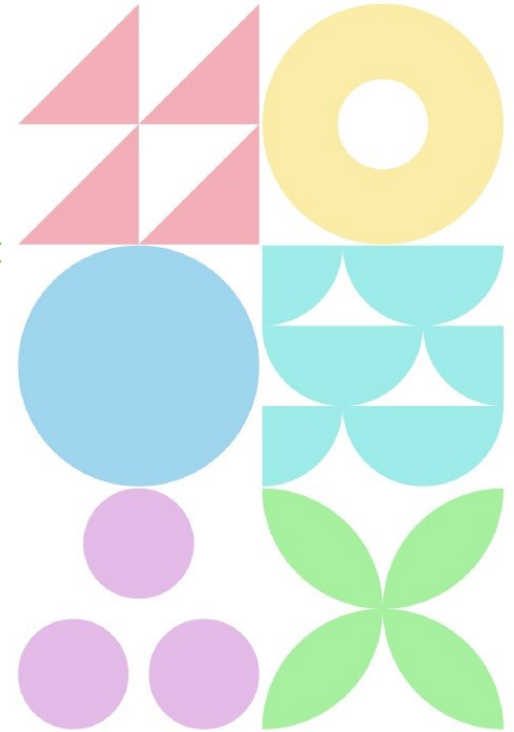
MODERNISATION FUND – ENERGETS

- 13,3 % of ModFond
- Support of measures aiming at increasing EE and/or reducing GHG emissions for installations included in EU ETS
- Supported measures:
 - Modernisation of installation for self-supplying of energy leading to increased EE
 - Modernisation or reconfiguration of production equipment,
 - Utilisation of waste heat,
 - Hydrogen applications,
 - Innovative monitoring, measuring and management of energy use,
- 22 projects submitted with GHG reduction of 1288 kt



OPERATIONAL PROGRAMME ENVIRONMENT 2021–2027

- Allocation of almost 2,35 billion €
 - Measures in the field of energy over 735 mil. €, including:
 - Renovation of public buildings and infrastructure 407 mil. €
 - New buildings 60 mil. €
 - RES for public buildings 57 mil. €
 - Boiler subsidies 210 mil. €
- Whole CZ with the exception of Prague
- Recipients
 - Regions, town, cities
 - Central public bodies, state enterprises
 - Schools, research institutions
 - NGO, churches and religious groups



NEW GREEN SAVINGS

- For the whole residential sector (including Prague)
- Allocation from RRF 19 billion CZK.
- 20 billion CZK from EU ETS.
- Estimated benefits:
 - energy savings of 5,1 PJ p.a.
 - GHG emission reduction of 1080 kt p.a.
- Renovation of residential buildings envelope (walls, roof, windows, doors)
- New energy efficient buildings (20% more efficient than NZEB)
- Renewables for heating and hot water
- Adaptation measures (green roofs, active shading)
- Rain water and waste water use

nová

zelená

úsporám

THANK YOU FOR YOUR ATTENTION

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