

# Climate Protection Policy of the Czech Republic

**Pavel Zámyslický**

**Director, Energy and Climate Protection Dep., Ministry of the Environment**

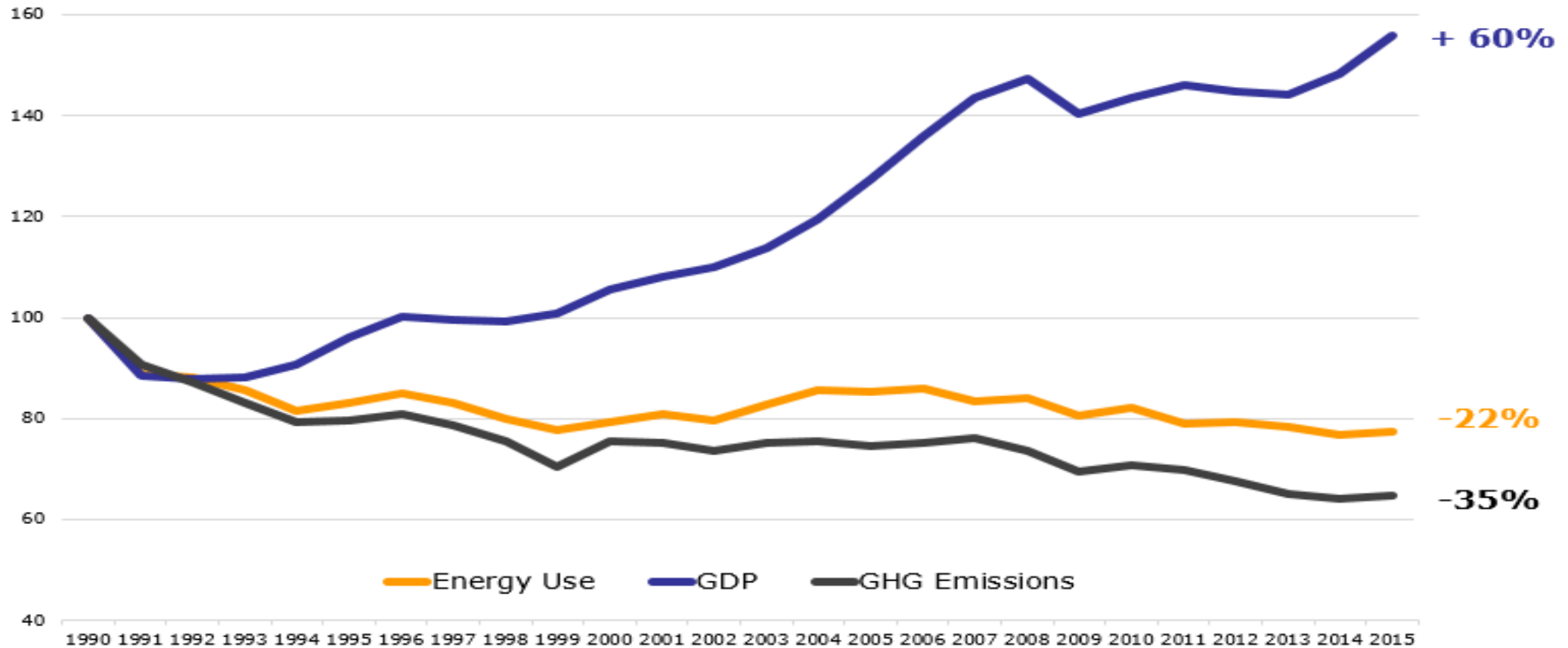


## CPP – Main Priorities

- ❑ Long-term Low Carbon Development Strategy of the Czech Republic (pursuant to Regulation 525/2013 of the European Parliament and of the Council on the mechanism for monitoring and reporting emissions)
- ❑ Complementary to the Strategy for Adaptation to Climate Change in the Czech Republic (Adaptation Strategy of the Czech Republic) - POK focused mainly on the reduction of GHG
- ❑ The objectives are mainly based on EU policies and legislation, ie the Climate-Energy Package by 2020 and the Framework for Climate and Energy Policy by 2030
- ❑ Cross-linking with sectoral strategies (especially SEK, NAP ČM, SPŽP, etc.)
- ❑ Indicative target of reducing greenhouse gas emissions by 80% by 2050
- ❑ Cost-effective fulfillment of the goals as priority
- ❑ Contribution of the Czech Republic to the achievement of the objectives of the Paris Agreement = LTS of the Czech Republic



# Decoupling from Economic Growth



# CPP – Main Objectives

## Main GHG reduction objectives of the CPP

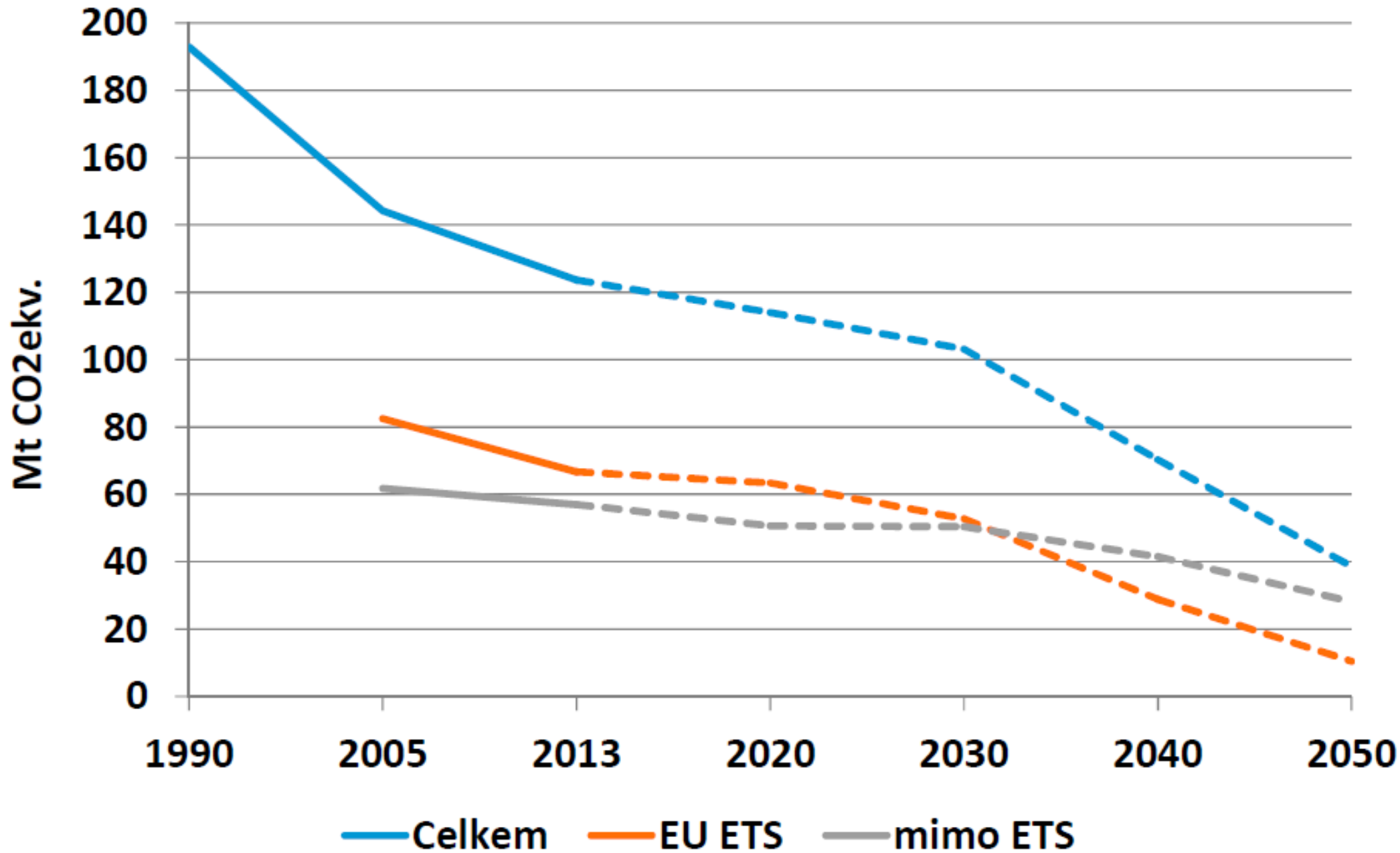
- reduce emissions of the Czech Republic by at least **32 Mt CO<sub>2</sub>e by 2020** compared to 2005 (corresponding to a 20% reduction compared to 2005)
- reduce emissions of the Czech Republic by at least **44 Mt CO<sub>2</sub>e by 2030** compared to 2005 (corresponding to a 30% reduction compared to 2005)

## Long-term indicative targets of the CPP

- to achieve an indicative level of 70 Mt CO<sub>2</sub>eq. emissions in 2040
- to achieve an indicative level of 39 Mt CO<sub>2</sub>eq. of emissions in 2050 (corresponding to a reduction of 80% compared to 1990)



# CPP – Historical emission trends and trajectories



# GHG projections (WEM/WAM scenarios)

WEM [Mt CO <sub>2</sub> e]	2005	2014	2020	2030	2005 – 2020 (%)	2005 – 2030 (%)
EU-ETS	82.46	62.91	60.54	54.30	-26.58	-34.15
Non-ETS	63.51	60.74	61.86	54.42	-2.60	-14.31

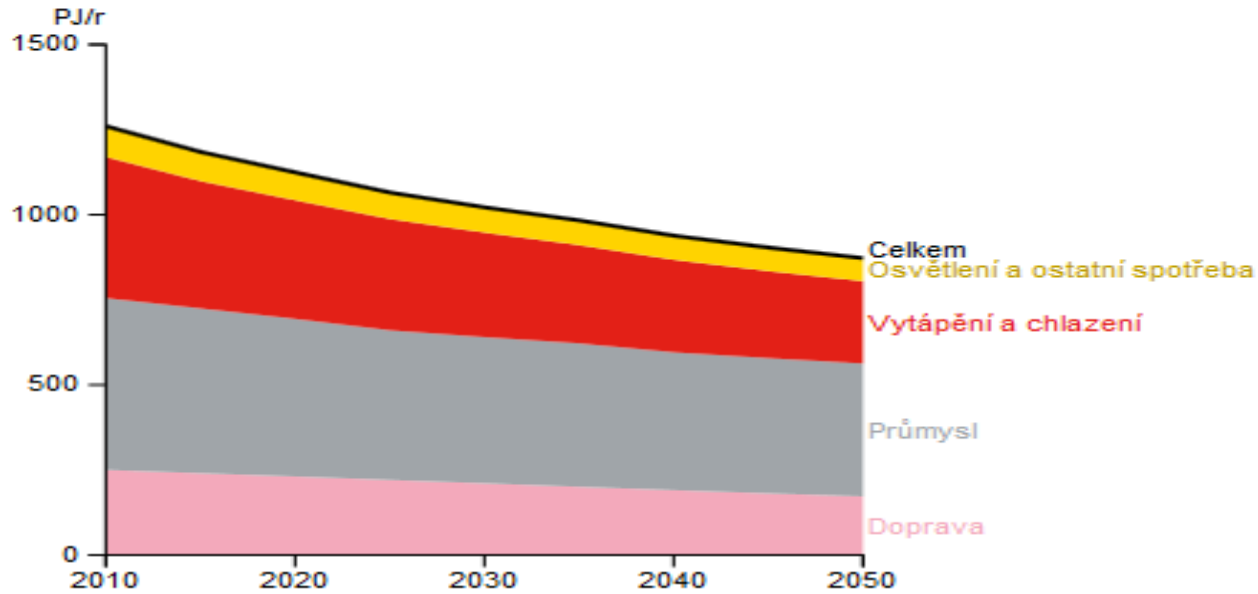
WAM [Mt CO <sub>2</sub> e]	2005	2014	2020	2030	2005 – 2020 (%)	2005 – 2030 (%)
EU-ETS	82.46	62.91	60.49	54.23	-26.64	-34.23
Non-ETS	63.51	60.74	61.55	53.47	-3.09	-15.81

- NECP will be based on updated projections, currently being finished by CHMI (same team as for MMR projections and PAMs)
- Improved cooperation with other Ministries regarding assumptions and inputs
- Expect problems with achieving the 2030 non-ETS/LULUCF targets

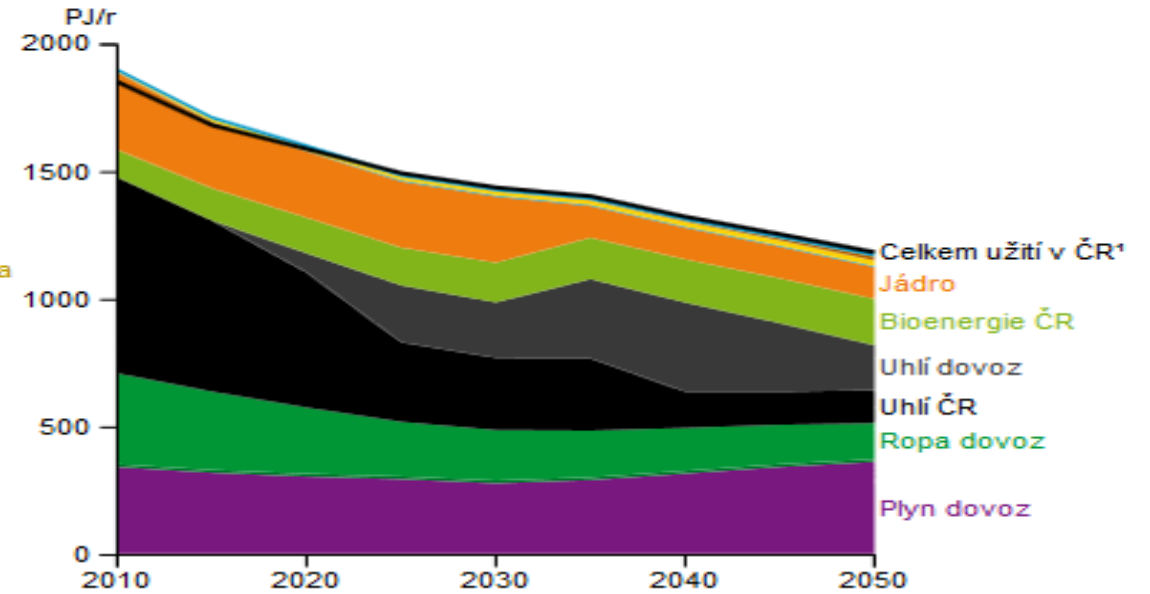


# CPP – CO<sub>2</sub> L-T scenarios by 2050

Konečná spotřeba energie



Tuzemské užití PEZ



Změny ve struktuře osobní dopravy	1	2	3	4
Rozvoj nízkoemisní dopravy	1	2	3	4
Využití baterií nebo palivových článků	A	B	C	D
Nákladní doprava	1	2	3	4
Mezinárodní letecká doprava	1	2	3	4
Průměrná teplota v domech	1	2	3	4
Zateplování domů	1	2	3	4
Převažující způsob vytápění	A	B	C	D
Osvětlení a ostatní spotřeba elektrické energie (e. spotřebiče)	1	2	3	4

Jaderné elektrárny	1	2	3	4
Rozvoj CCS	1	2	3	4
Zachycování CO <sub>2</sub> ze zdrojů na:	A	B	C	D
Větrné elektrárny	1	2	3	
Tepelné elektrárny	1	2	3	4
Fotovoltaické panely	1	2	3	4
Solární termické kolektory	1	2	3	4
Geotermální elektrárny	1	2	3	4
Vodní elektrárny	1	2	3	

<http://co2.enviros.cz>



# CPP – Implementation and next steps

- ❑ Key measures in all sectors of the economy (42 total), PAMs chapters used for the draft NECP
- ❑ Deepening inter-ministerial cooperation and coordination
- ❑ The duty of ministries to periodically evaluate policies and measures in terms of impacts on GHG emissions
- ❑ National system for policies, measures and projections needs to be further developed and other departments need to take responsibility
- ❑ The need to integrate emission reduction commitments into sectoral policies and strategies, NECP could be instrumental in this regard
- ❑ CPP evaluation until 31 December 2021 and update until 31 December 2023 (also possible update of NECP)
- ❑ English summary available at: [https://www.mzp.cz/en/climate\\_protection\\_policy](https://www.mzp.cz/en/climate_protection_policy)





# CPP – Main issues to be solved

- ❑ Missing “carbon pricing in non-ETS sectors”
- ❑ How to make “central heating systems” less carbon intensive and competitive as well?
- ❑ How to deal with “natural disturbances” in vulnerable forests facing negative cc impacts (bark beetle calamities in spruce forests)
- ❑ Which “national EE scheme: would be the best to help with 2030 “obligatory savings”
- ❑ How to distributed fairly approximately 25 bln EUR “savings bill” among all participants and sectors?
- ❑ Which RE should be prioritized while dealing with national 2030 target?
- ❑ How to set the most efficient combination of RE/EE schemes (auctions, Mod. Fond, EU Funds, etc.)



# Thank you for your attention



Ministerstvo životního prostředí  
České republiky

Ministerstvo životního prostředí  
Vršovická 65, 100 10 Praha 10  
Česká republika

[www.mzp.cz](http://www.mzp.cz)

