

Low – carbon development strategy of the Slovak Republic

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state secretary

Low – carbon development strategy of the SR until 2030 with a view to 2050

Legislation

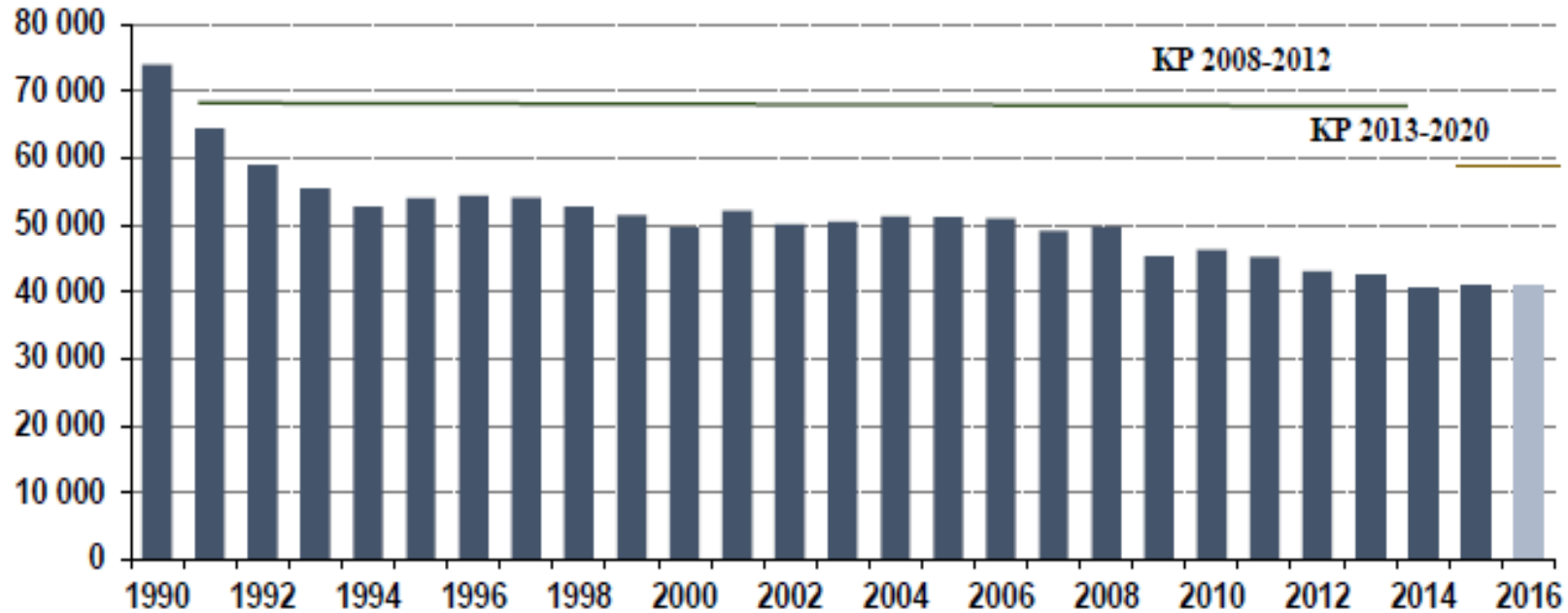
- Paris Agreement
- Regulation on the Governance of the Energy Union and Climate Action
- Program Declaration of the Slovak Government 2016-2020

Cooperation with the World Bank – outcomes of the project

- 2 models for the GHG emission projections
- Low – carbon study - march 2019
 - Focused on the energy sector, industry and transport
 - Basic scenario and 4 alternative (decarbonisation) scenarios

Development of GHG emissions

Total GHG emissions without LULUCF (Gg CO₂ekv.)

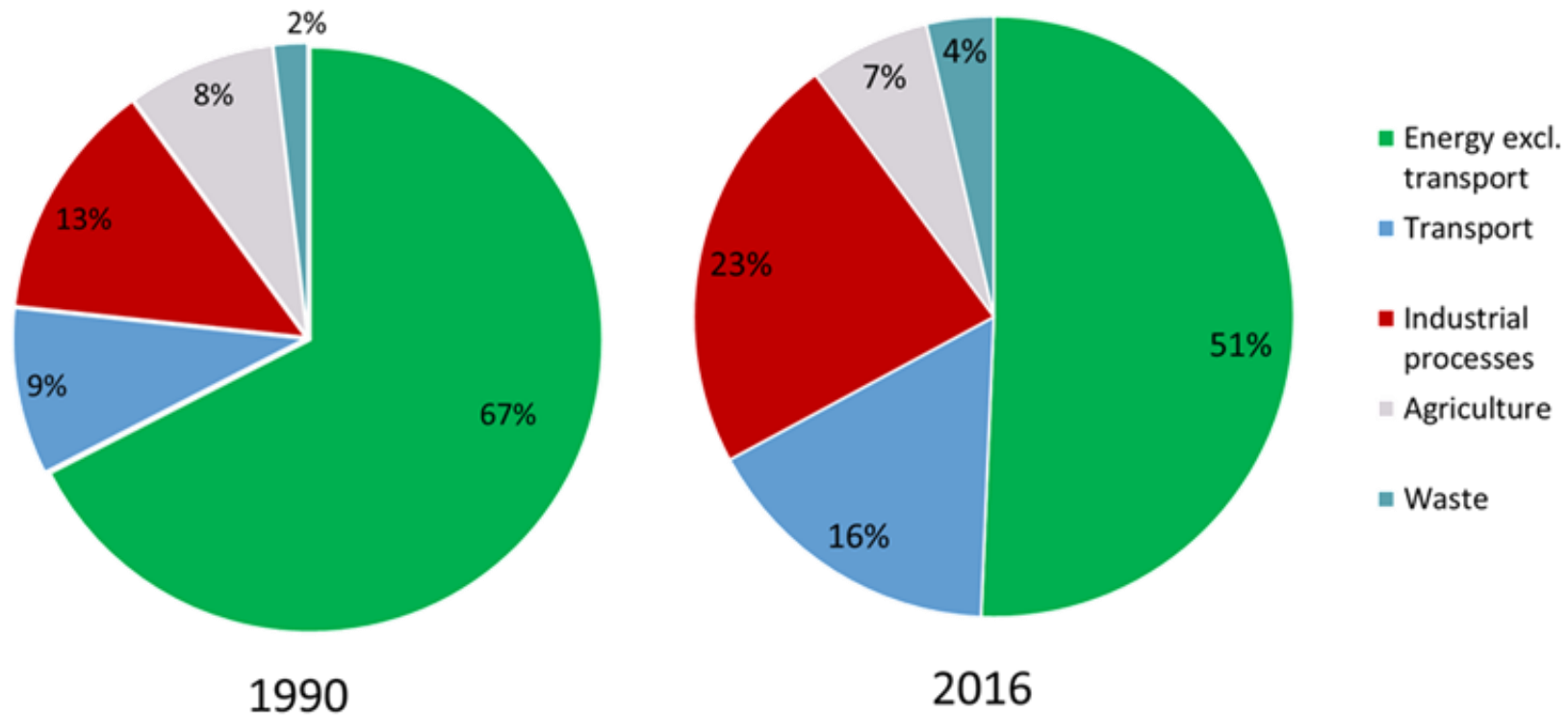


Source: SHMÚ

CO₂ emissions eq. in 2016 were 41,037.12 Gg without LULUCF, which is a decrease of 44.5% compared to 1990 and a growth of 0.3% compared to 2015.

GHG emissions development

Share of individual sectors in the total emissions

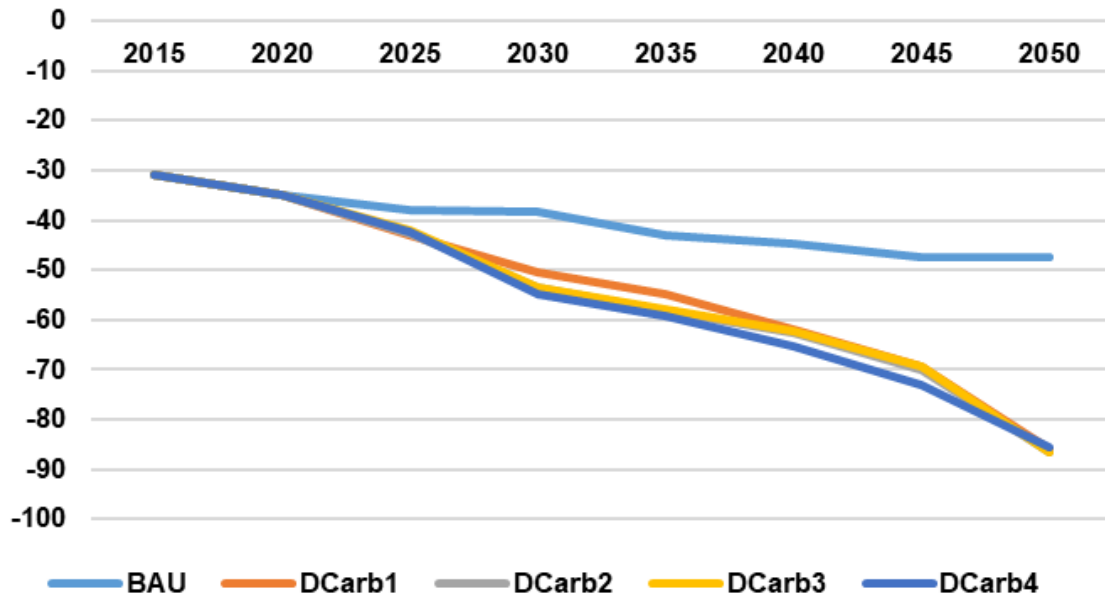


Source: SHMÚ, MŽP SR

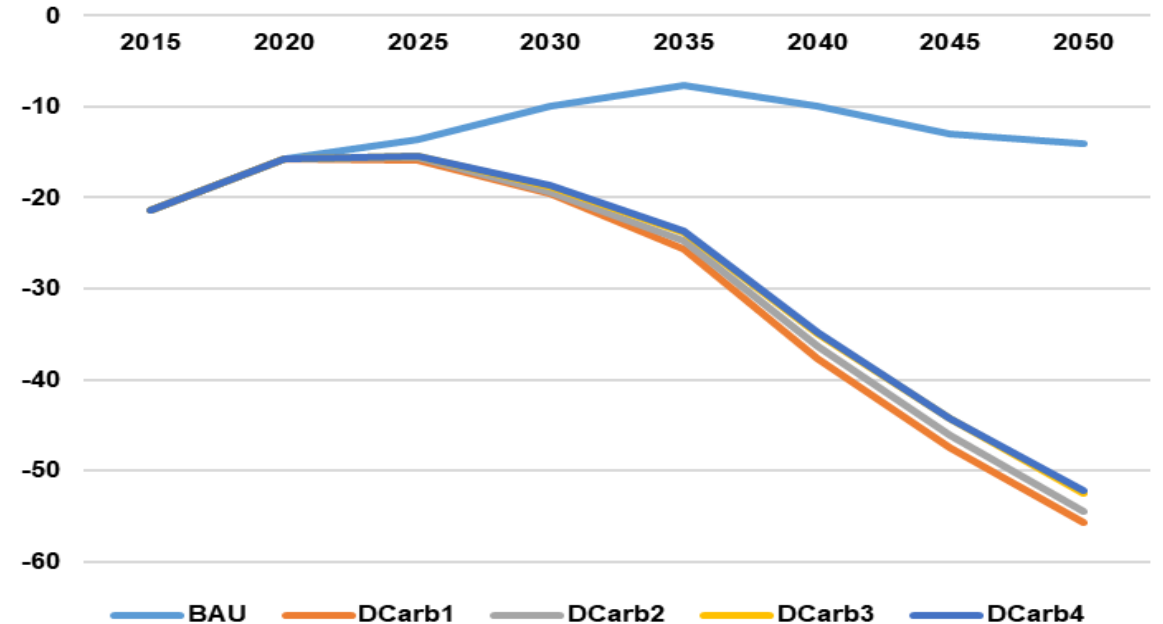
A Low – Carbon Growth Study for Slovakia

Emissions development in the EU ETS and in the EU non - ETS

ETS sektor, CO2 Emisie v energetike
(% zmena k r. 2005)



non-ETS sektor, CO2 emisie v enegetike
(% zmena k r. 2005)



Binding targets for the EU and Slovakia until 2030

	EÚ	SR
Greenhouse gas emissions (compared to 1990)	- 40 %	- 40 %
thereof		
- Emissions in ETS	- 43 %	- 43 %
- Emissions in non-ETS (compared to 2005)	- 30 %	- 12 % (-20%¹)
Renewable energy sources share (RES)	32 %	
Energy efficiency	32,5 %	

¹ Target according to Envirostrategy 2030

Indicative targets of the SR until 2030 and 2050

	2030	2050
Greenhouse gas emissions (compared to 1990)	- 40,80 %	-80 až 85%
thereof		
- Emissions in ETS	- 53,46 %	- 86 %
- Emissions in non-ETS (compared to 2005)	- 20 %	-53-56 %
Renewable energy sources share (RES)	18,91 %¹	
Energy efficiency	28,36 %¹	

¹ Preliminary objective in the NECP draft

Climate neutrality of Slovakia by 2050

Target in accordance with the Paris Agreement:

- Keep the global warming below 1,5°C

Can be reached under the conditions:

- Attenuation in the fossil fuels usage until 2050 (coal, oil, natural gas)
- Necessary introduction of new financial support schemes and mechanisms and an increase in investment expenditure
- Research and development of new technologies
- Necessary transformation of the economy (resource efficiency, circular economy and services economy, shared economy, bio economy)
- Increase in the carbon capture (forests, CCS, CCU)
- Change in consumer behavior

Modernization fund

- One of the financial instruments for economic transformation
- 10 MS including CR a SR
- Priority and non-priority projects (ratio (70:30))
- Priority projects: RES, energy efficiency, energy storage, energy systems modernization, including distribution and transmission systems, support for the transformation of coal regions
- Investment in energy efficiency in transport, agriculture and waste management is also eligible
- Investment in solid fossil fuels will not be supported
- The volume of 2% of total quotas shall be monetized by the EIB. This revenue will then be divided into eligible MS (SR share is 6,13% + increase of 30% of the total auction allowances for the period 2021-2030)
- Reimbursement up to 100% of eligible costs for priority projects and up to 70% for non – priority projects (in accordance with state aid rules)



Thank you

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