

Presentation of scenario analysis of reducing GHG in Slovenia up to 2050- introduction

Energy efficiency centre

Institut „Jožef Stefan“, 17.5.2021



LIFE
CLIMATE
PATH
2050

Projekt LIFE ClimatePath2050 (LIFE16 GIC/SI/000043)
je financiran iz finančnega mehanizma LIFE, ki ga
upravlja Evropska komisija, in iz Sklada za podnebne
spremembe Ministrstva za okolje in prostor RS.



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STRATEGIC DECISION SUPPORT



REPUBLIKA SLOVENIJA
MINISTRSTVO ZA INFRASTRUKTURO



REPUBLIKA SLOVENIJA
MINISTRSTVO ZA OKOLJE IN PROSTOR



INTERNATIONAL CO-OPERATION
EU research and support programs



2050 (LIFE16 GIC/SI/000043)
nega mehanizma LIFE, ki ga
ja, in iz Sklada za podnebne
stva za okolje in prostor RS.



Legal frame of climate and energy policy

Paris agreement

- Maintain rise of average global temperature significantly **below 2 °C and try to keep it to 1,5 °C increase**
Achieve balance between GHG emissions from antropogenic sources and their capture in sinks in the second half of this century



Slovenija should prepare and submit its LTS to UNFCCC by the end of 2020, resolution adopted by the government april 2021

Regulation on the Governance of the Energy Union and Climate Action (EU) 2018/1999

LTS Slovenia by the 2050

NECP Action plan 2030 / 2040

Harmonised!

Clean planet for all (EU)
Net zero emission by the 2050

Winter EU package paket zakonodaje EU
(RED2, EED2, EPBD idr.)



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LIFE ClimatePath 2050

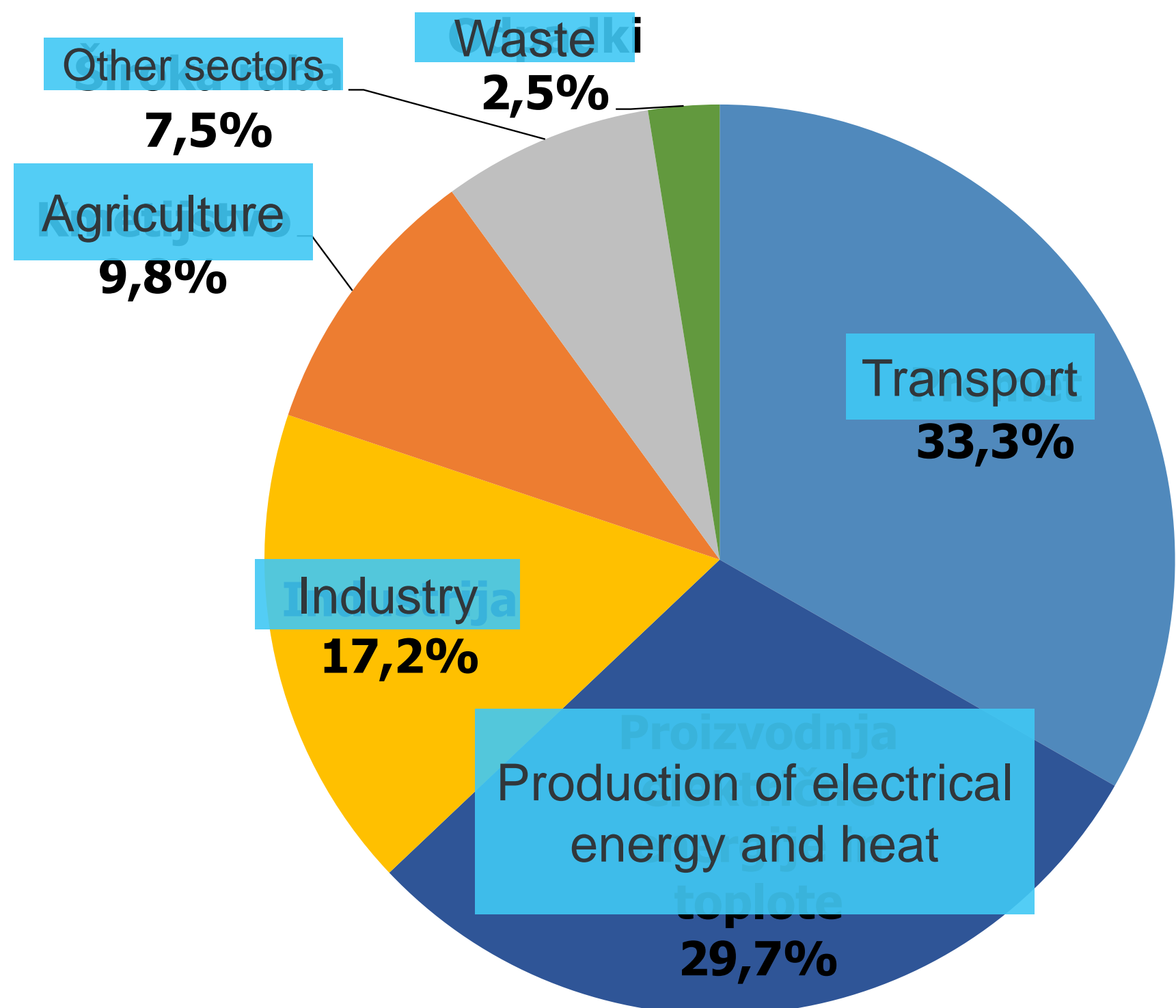
Project supports Paris Agreement goals



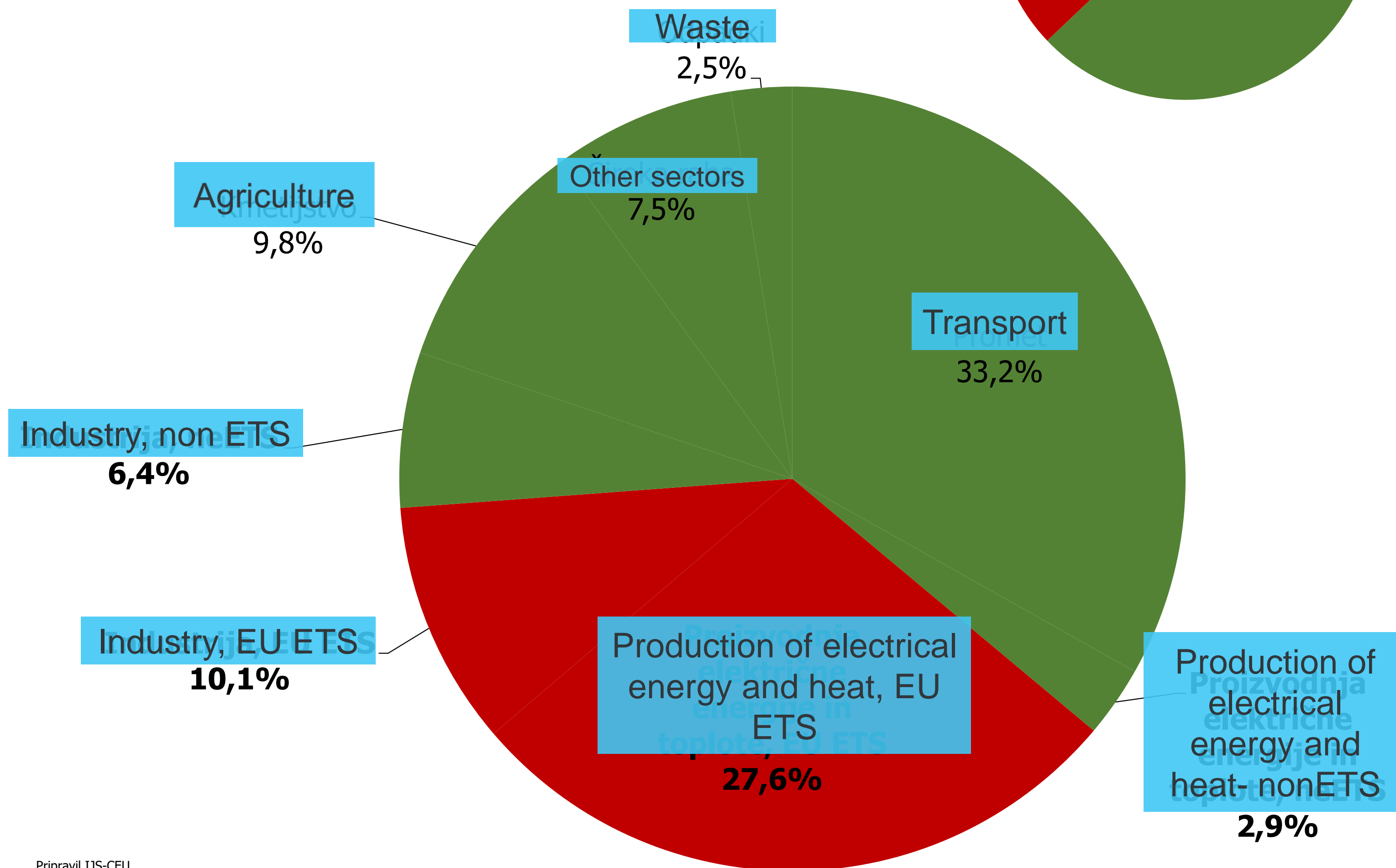
GHG emissions in Slovenia by sector

Structure of all emission in 2018

17,5 MtCO_{2ekv}

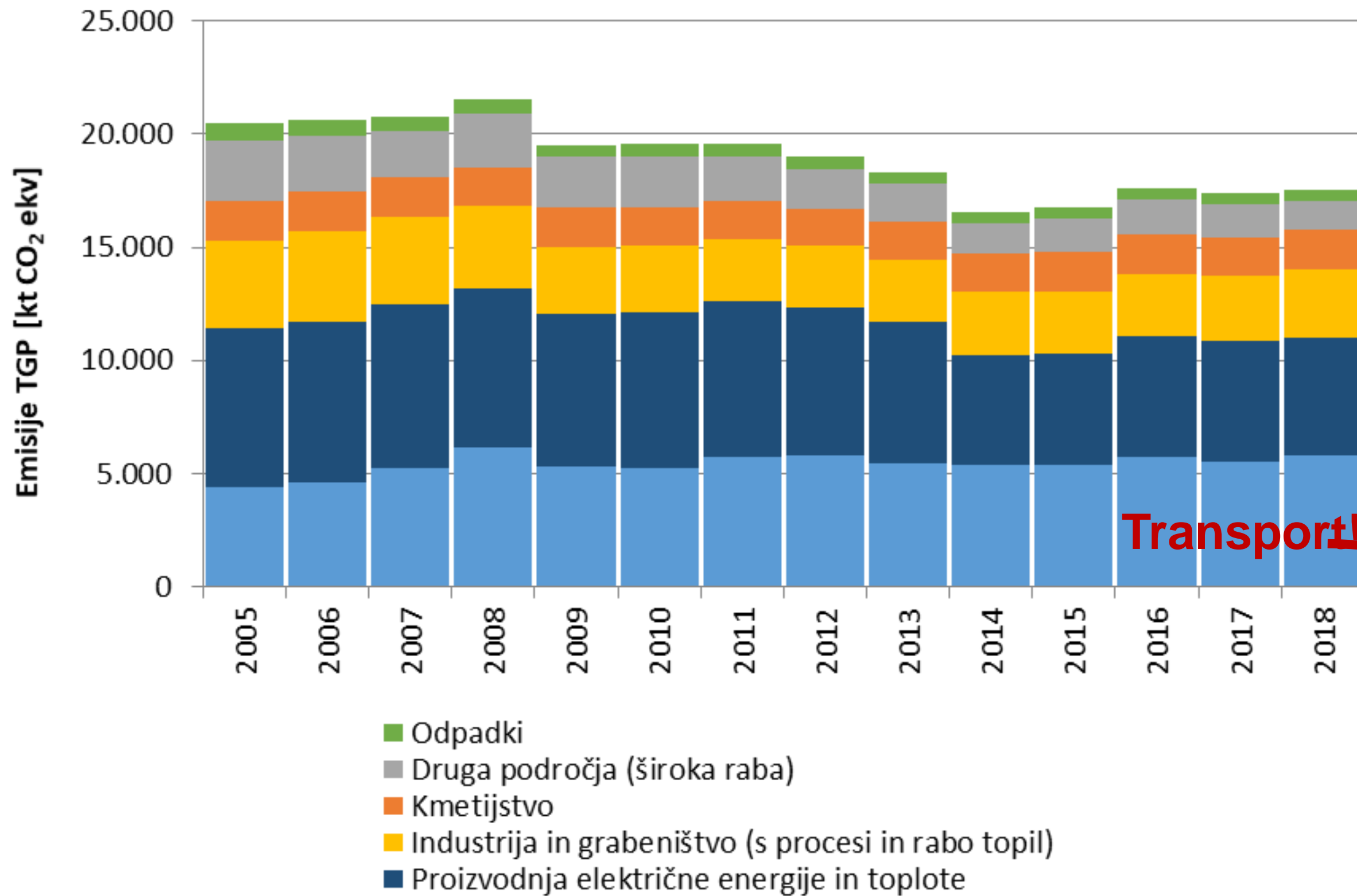


Pripravi IJS-CEU



Pripravi IJS-CEU

GHG emission dynamic per sector

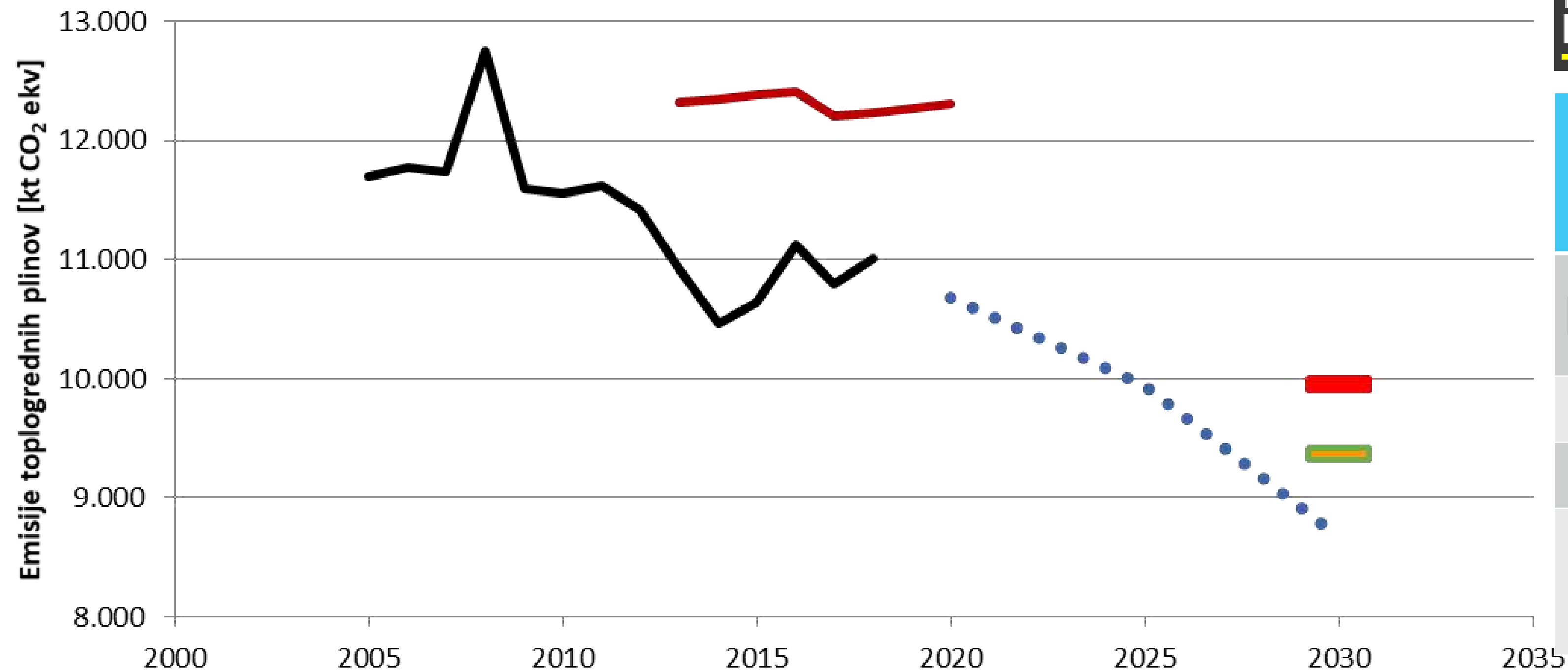


Reduction/increase GHG emissions 2005-2018:

Transport	+32 %
Production of electricity and heat	-26 %
Industry	-23 %
Agriculture	-1 %
Other sectors	-51 %
Waste	-40 %
Together	-14 %

Since the base year in 1986 emissions in transport increased for 190 %, they almost tripled

Achieving national GHG targets (non-ETS)



LEGISLATIVE TRAIN SCHEDULE FIT FOR 55 PACKAGE UNDER THE EUROPEAN GREEN DEAL

Targets 2030	Confirmed	New
EU together	-40 % (NECP -36%)	-55 %
EU ETS	-43 %	
EU neETS	-30 %	
Slovenija <i>po Uredbi (EU) 2018/842</i>	-15 % (NECP -20%)	?

— Statistični podatki 2005-2018

— Cilj v letu 2030, NEPN

— Cilj v letu 2030, Uredba (EU) 2018/842

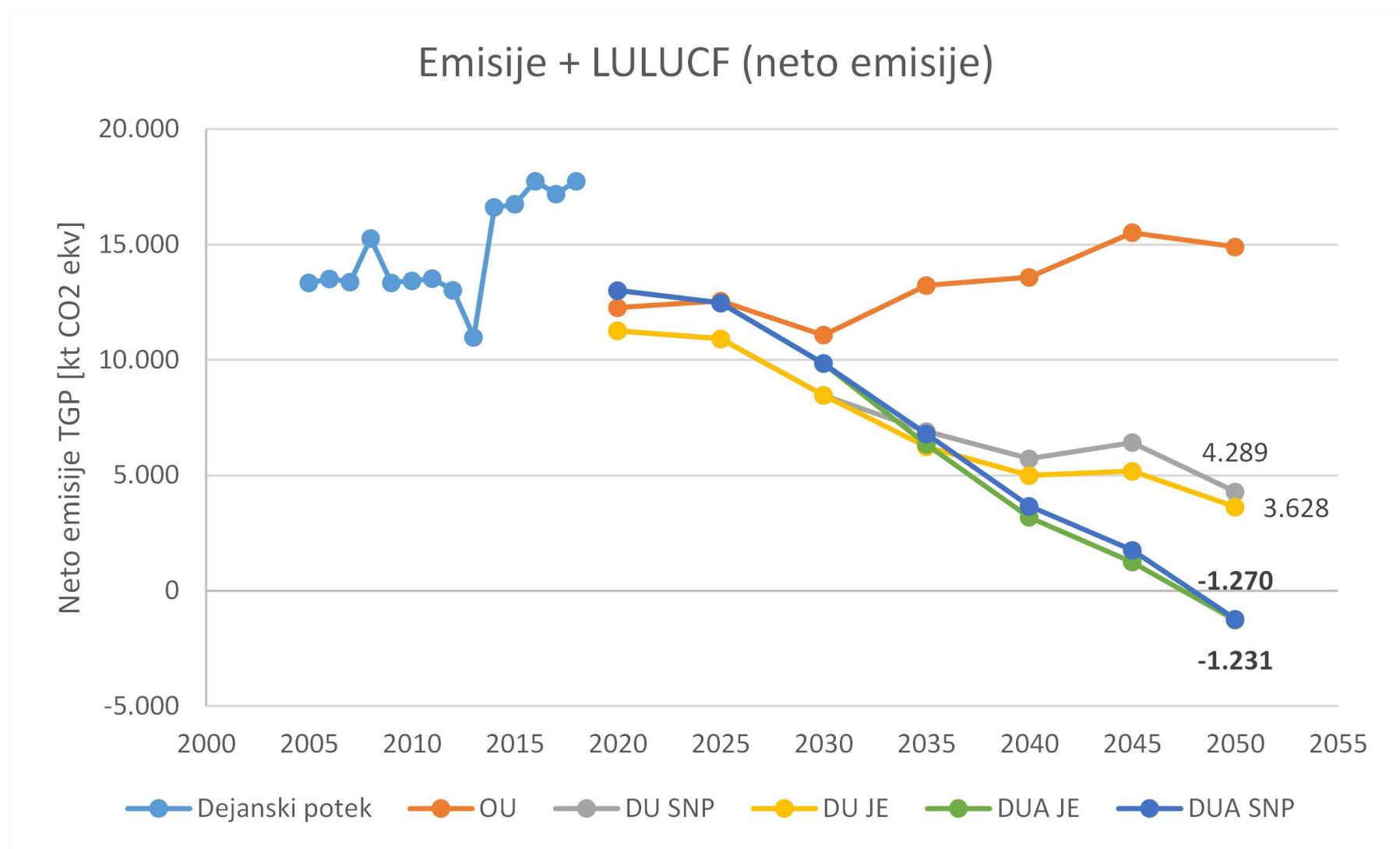
— Cilj v letu 2020, Odločba (EU) 406/2009

••••• Scenariji

Projections were used as analytical base for

Long term climate strategy (LTS)

➔ Climate neutrality



From analysis to a document



	Letne emisije TGP [kt CO ₂ ekv]		Strateški sektorski cilji zmanjšanja glede na leto 2005
	2005	2018	2050 DPSS
Promet	4.416,5	5.824,0	90 - 99%
Energetika	6.974,5	5.189,6	90 - 99%
Industrija	3.912,5	3.014,4	80 - 87%
Kmetijstvo	1.732,8	1.721,7	5 - 22%
Široka raba	2.680,0	1.310,8	87 - 96%
Ravnanje odpadki z	740,5	441,7	75 - 83%
SKUPAJ	20.456,8	17.502,1	80 - 90%
LULUCF	-7120,8	243	Ponor vsaj -2500 kt CO₂ ekv
SKUPAJ	13.336	17.745,1	Doseganje neto ničelnih emisij TGP

Thank you for your attention!



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Vodilni partner projekta LIFE Climate Path 2050:



Institut "Jožef Stefan"
Center za energetska učinkovitost

Vodilni partner projekta LIFE Climate Path 2050:



ELEK,
načrtovanje,
projektiranje in
inženiring, d.o.o.



Gradbeni
Inštitut ZRMK,
d.o.o.



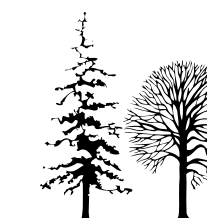
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