



REPUBLIC OF CROATIA

MINISTRY OF ECONOMY AND  
SUSTAINABLE DEVELOPMENT

# MULTILATERAL ASSESSMENT

## Republic of Croatia

Glasgow, 5<sup>th</sup> November 2021

# NATIONAL CIRCUMSTANCES

Name: Republic of Croatia

Land area: 56 594 km<sup>2</sup>

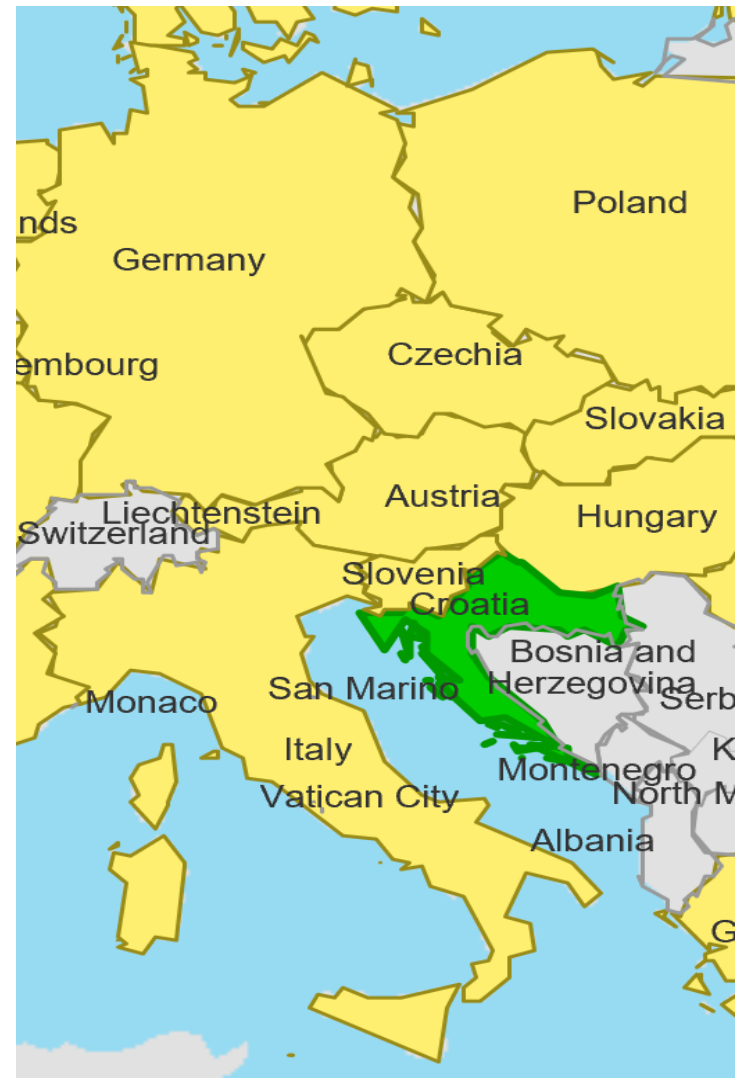
Population: 4,2 mil. (2018)

Population density per km<sup>2</sup>: 72,9

Gross domestic product per capita:  
- 12 270 EUR (2018)

Capital: Zagreb

EU Member: since 1 July 2013



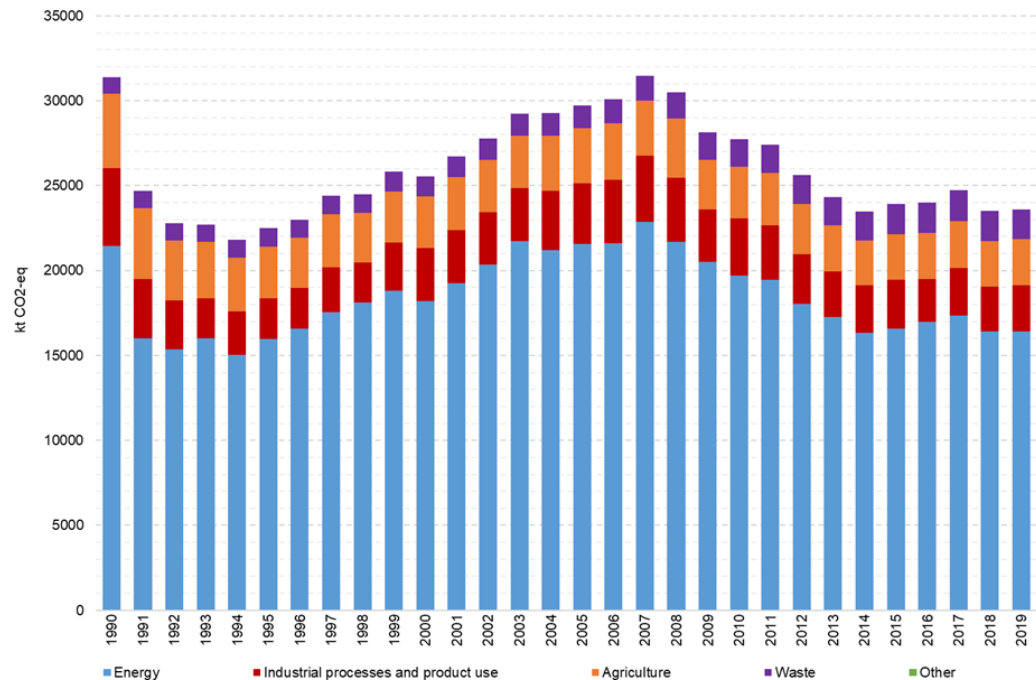
# EU AND NATIONAL CLIMATE TARGETS

## Kyoto Protocol

- 2008. – 2012. target for Croatia: – 5 %
- EU wide target by 2020 (1990): - 20 %
  - EU non-ETS target: - 10 % (individual targets for member states, **for Croatia + 11 % compare to 2005**)
  - ETS: - 21 % (single cap for emission trading system)

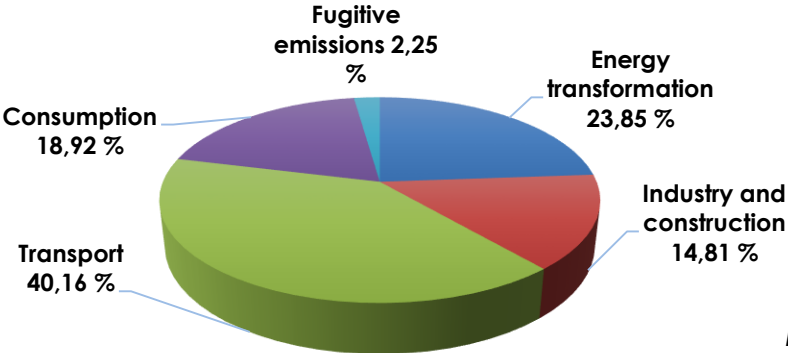
Total GHG emissions in  
2019:

- 24,05 % below emissions in  
1990 (without LULUCF)

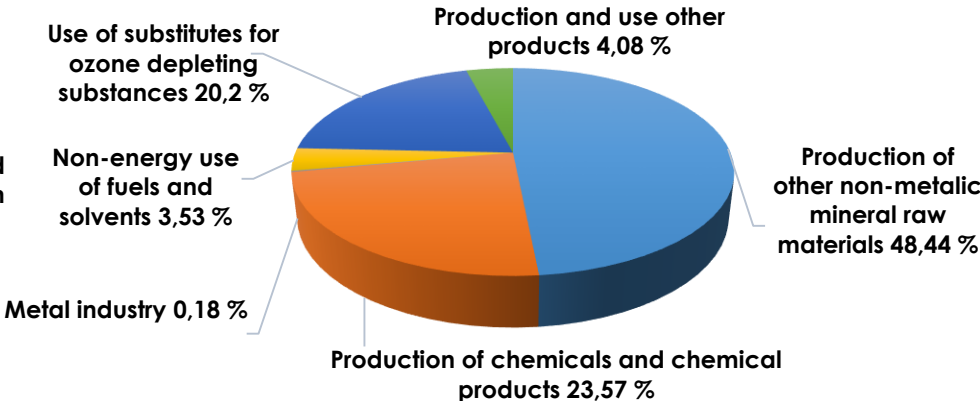


# MAIN DRIVERS OF EMISSIONS

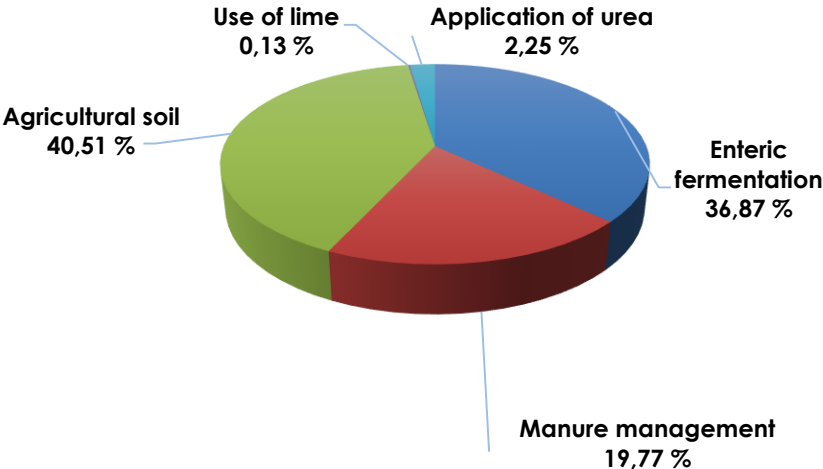
## ENERGY SECTOR - 69,6 % of total GHG emissions



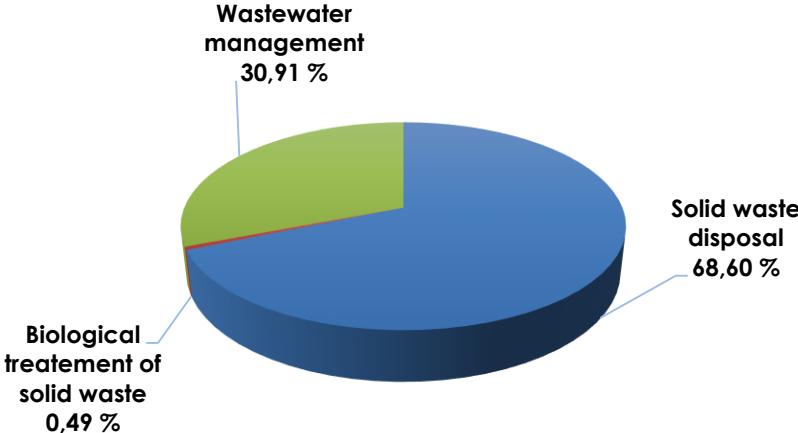
## IPPU - 11,6 % of total GHG emissions



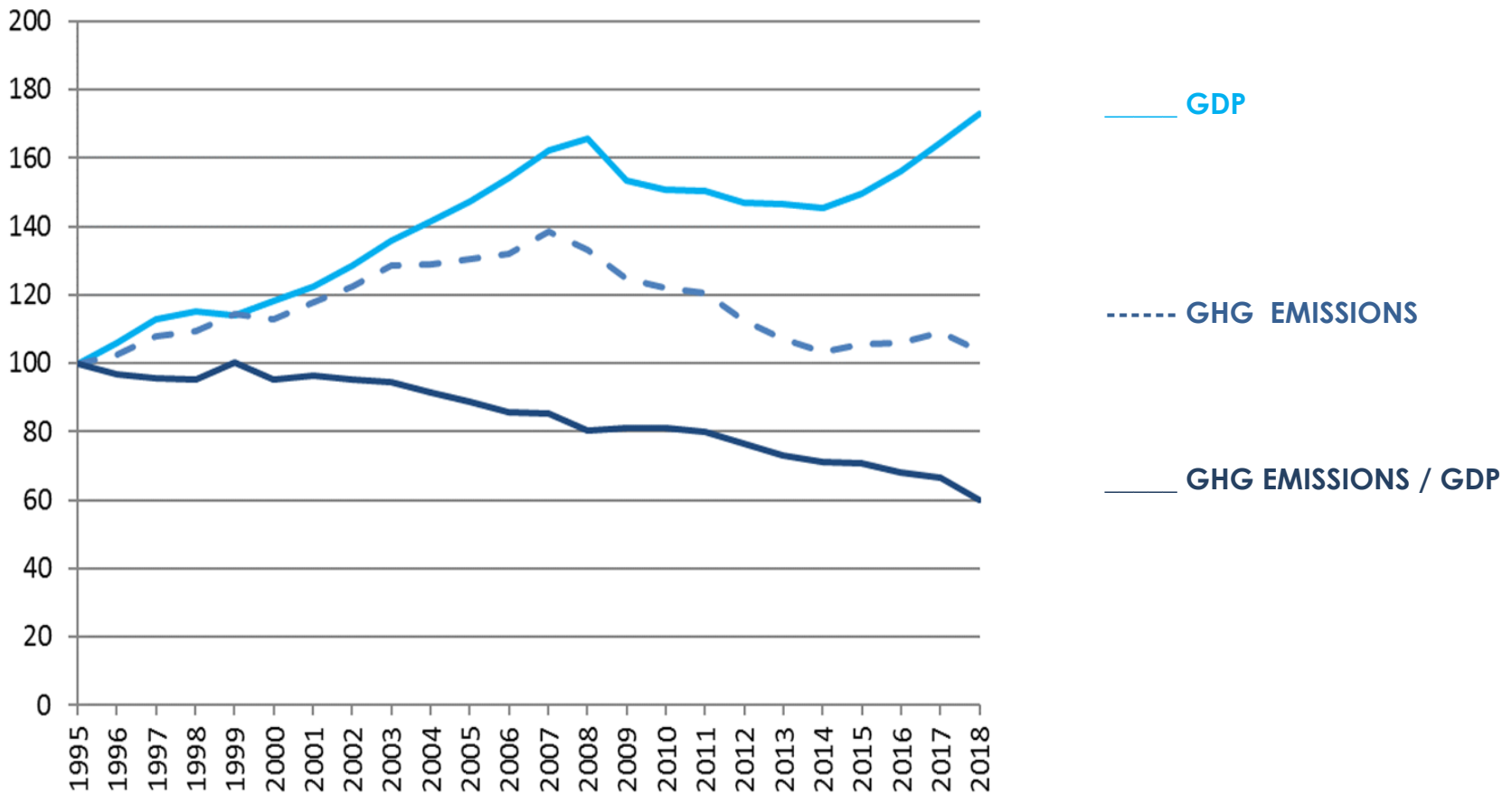
## AGRICULTURE SECTOR - 11,4 % of total GHG emissions



## WASTE - 7,4 of total GHG emissions



# EMISSIONS DECOUPLING FROM ECONOMIC GROWTH



# EU AND NATIONAL CLIMATE TARGETS FOR 2030

## Paris Agreement

- EU target by 2030 (1990): - 55 % (NDC of the EU)
- EU target by 2050 (1990): climate neutrality

## NDC

The EU and its Member States, acting jointly, are committed to a binding target of a net domestic reduction of at least 55 % in greenhouse gas emissions by 2030 compared to 1990.

(submission 18<sup>th</sup> December 2020)

## New EU proposals (under discussion):

- ETS target by 2030: - 61 %
- non-ETS target by 2030: - 16,7 % (Croatia)

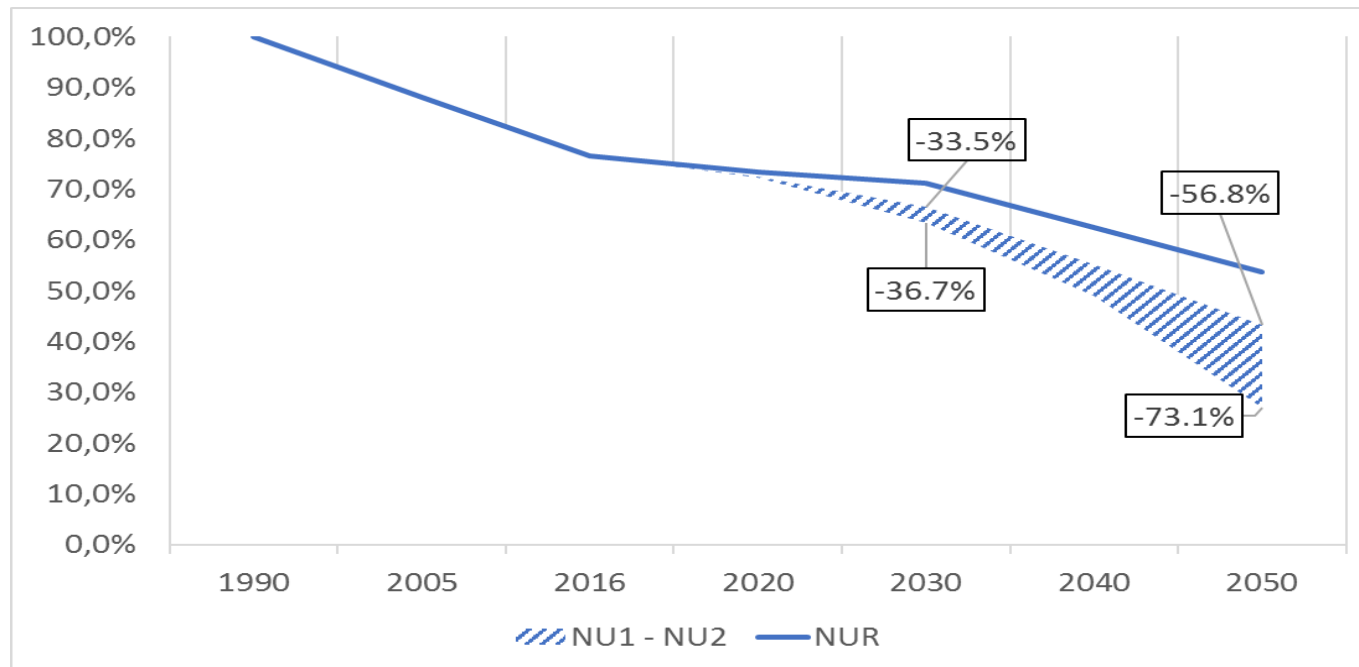
## STRATEGIC DOCUMENTS

- **National Development Strategy of Republic of Croatia Until 2030- Feb2021**  
Commitment for climate neutrality in 2050
- **Energy Development Strategy** till 2030 with the view to 2050
- **National Energy and Climate Change Plan** for the Period of 2021-2030 (NECP)
- **Low Carbon Development Strategy** of the Republic of Croatia until 2030, with the view to 2050 – June 2021  
Action Plan under the preparation
- **National Climate Adaptation Strategy** in the Republic of Croatia for the period to 2040 with a view to 2070;
- **Law on Climate Change and Ozone Layer Protection**

# GENERAL OBJECTIVES OF THE LOW CARBON STRATEGY:

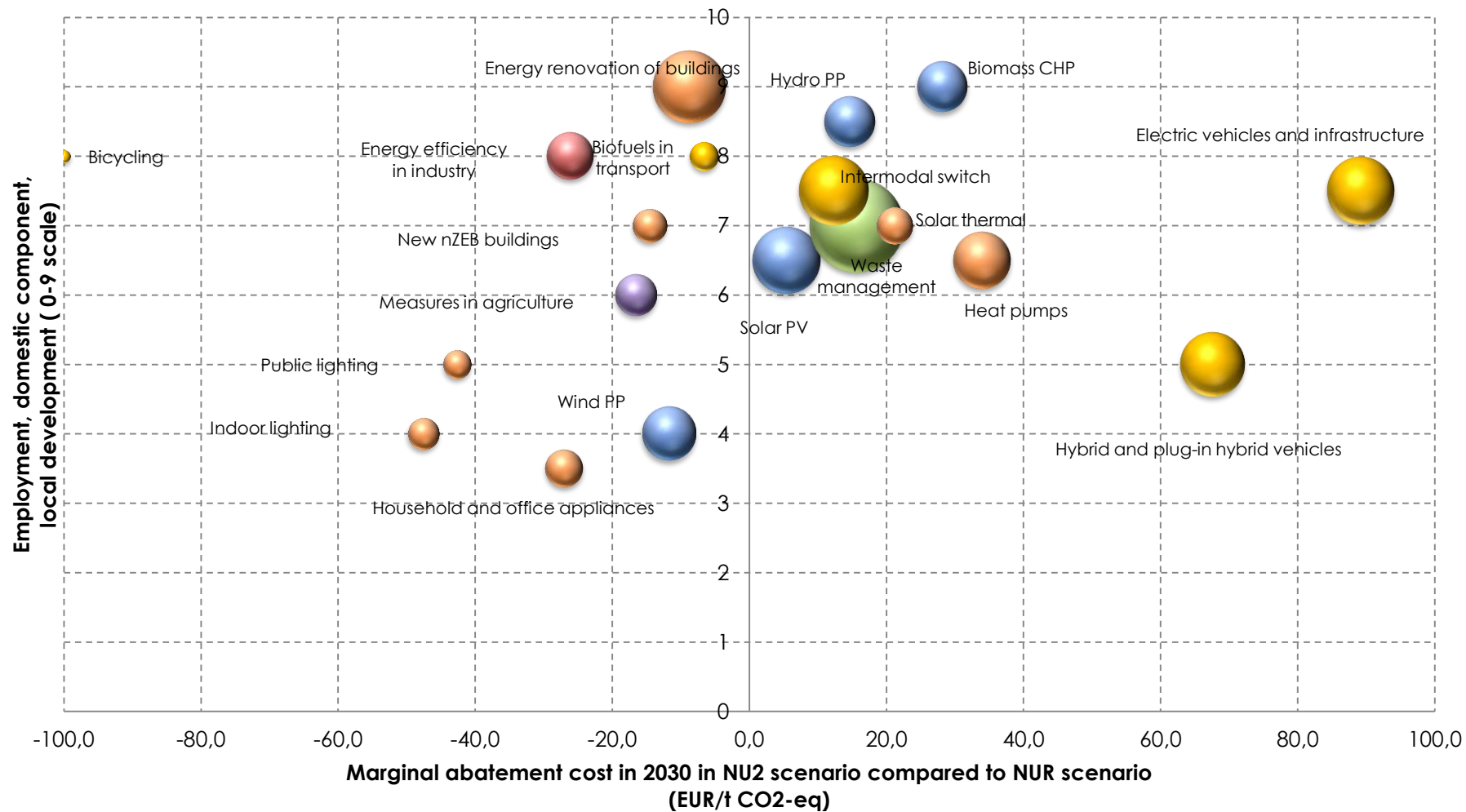
- 102 technical and organizational measures
- Achieving sustainable development based on knowledge and a competitive economy
- Increasing security of energy supply, sustainability of energy supply, increasing energy availability and reducing energy dependence
- Solidarity by fulfilling the obligations of the Republic of Croatia under international agreements and within the framework of the European Union policy
- Reduction of air pollution and health effects

With NU1 and NU2 scenarios, the Republic of Croatia achieves a 33,5 to 36,7% emission reduction in 2030 compared to 1990, and 56,8 to 73,1% in 2050 .





# GENERAL OBJECTIVES OF THE LOW CARBON STRATEGY:

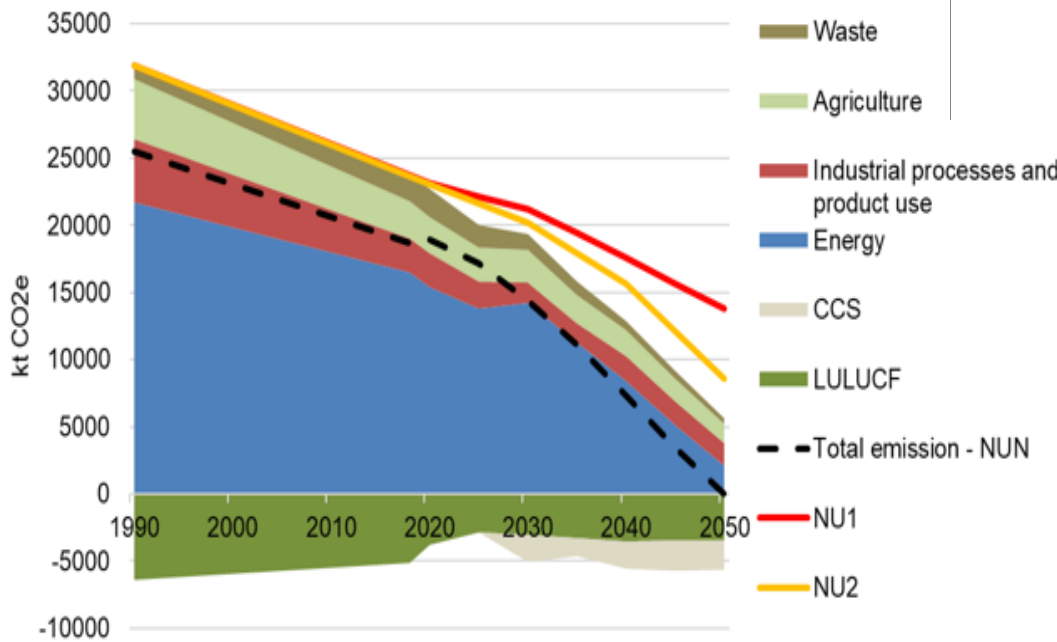


\*Circle surface\* - GHG mitigation potential in 2030 (kt CO<sub>2</sub>e)

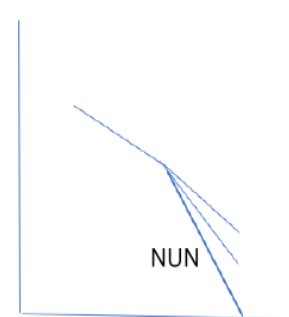
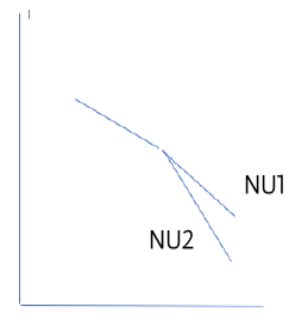
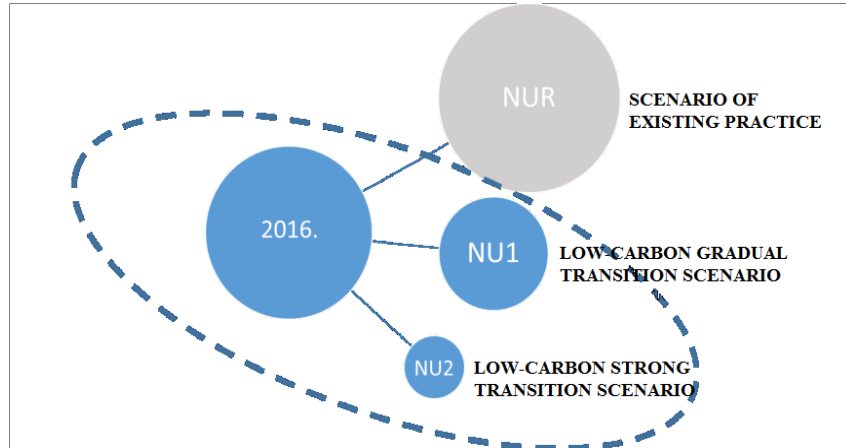
- Energy
- Industry
- Waste
- Agriculture
- Transport
- Households and services

# CLIMATE NEUTRALITY SCENARIO UNTIL 2050

## Existing climate neutrality scenario as information in NUS



Total emission reductions according to the climate neutrality scenario



# TIMELINE FOR THE DECARBONISATION

2030

- establishing the preconditions for an effective transition through the development of organizational and administrative infrastructure
- a visible shift towards a vision of a carbon-neutral economy
- renewable energy sources achieve competitiveness towards fossil technologies

2030- 2040

- a key period of transition in which carbon technologies are abandoned and the foundation for a new green direction is laid

2040- 2050

- solutions leading to a lasting climate transition, reducing emissions close to zero and increasing / maintaining removals

Thank you for your attention!

