



REPUBLIKA HRVATSKA
Ministarstvo gospodarstva
i održivog razvoja



FOND ZA ZAŠTITU OKOLIŠA I
ENERGETSKU UČINKOVITOST

EKONERG



EGC 128

THE CONTRIBUTION OF THE LULUCF SECTOR TO CLIMATE NEUTRALITY AND LIFE CROLIS PROJECT

DOPRINOS SEKTORA LULUCF KLIMATSKOJ NEUTRALNOSTI I LIFE CROLIS PROJEKT

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1. European GREEN
Conference
1. Europska GREEN
konferencija

23-26
MAY / SVIBANJ
2023

Land use, land use change and forestry (LULUCF)

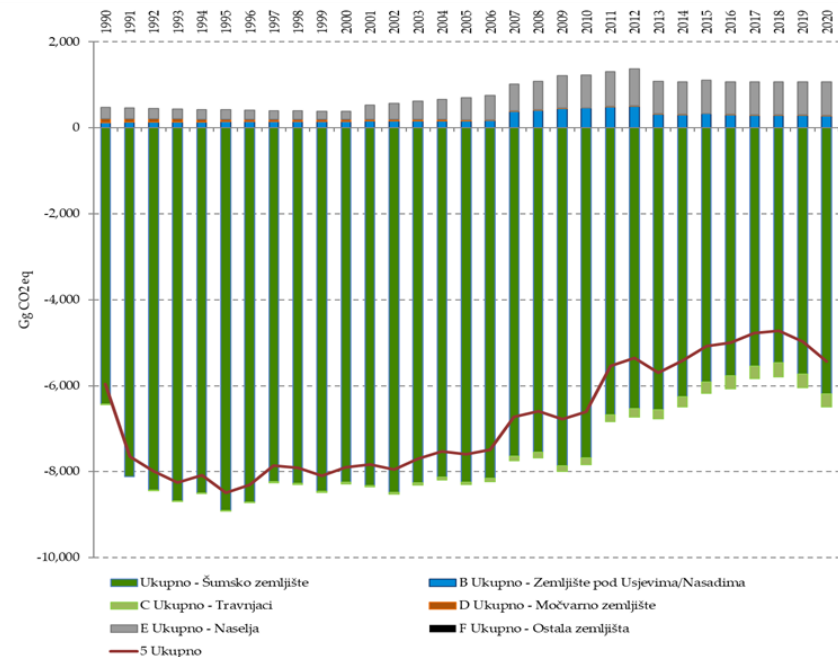
Land categories in the National Emission Inventory (IPCC) (1990-2020)

- Forest land (FL)
- Crop land (CL)
- Grass land (GL)
- Wetlands (WL)
- Settlements (SL)
- Other lands (OL)

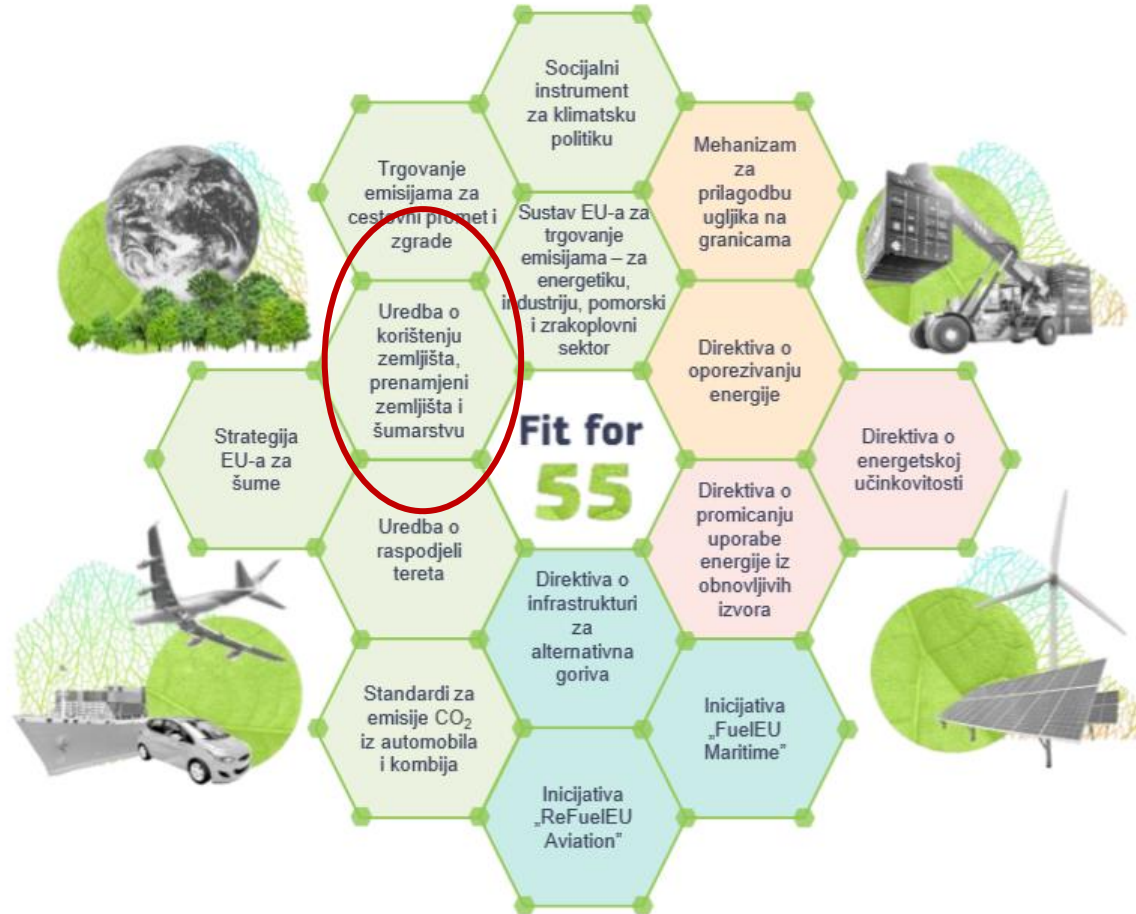


Carbon pools

- Above ground biomass
- Below ground biomass
- Litter
- Soil



Fit for 55% regulations



Questions

Renewable energy, food production, biodiversity,
productive forests, LULUCF for CO2 removals?

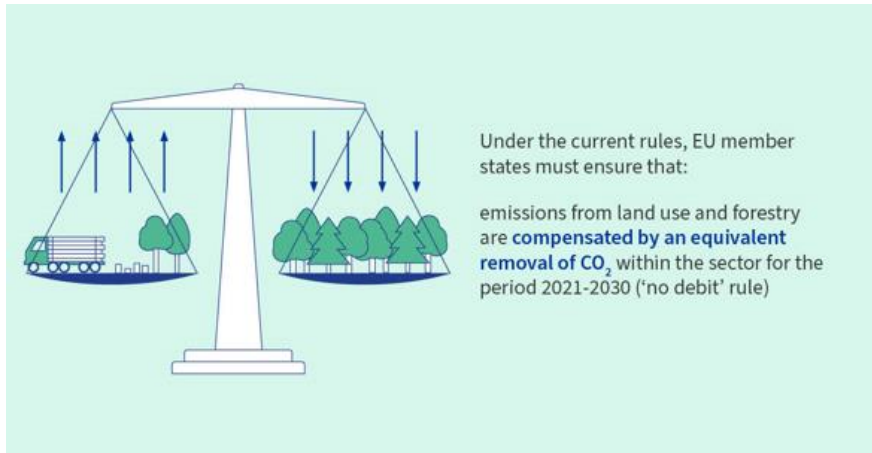


**Land: A crucial resource for
the energy transition**

What brings new LULUCF 'Fit for 55%' targets

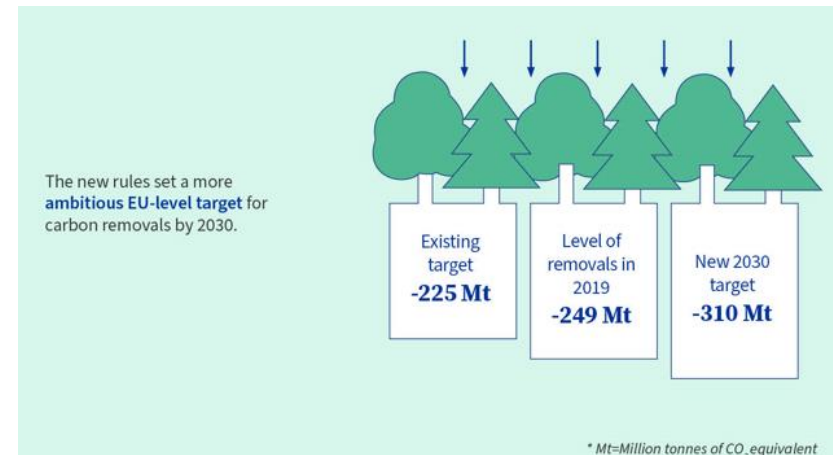
past

EU 2018/841



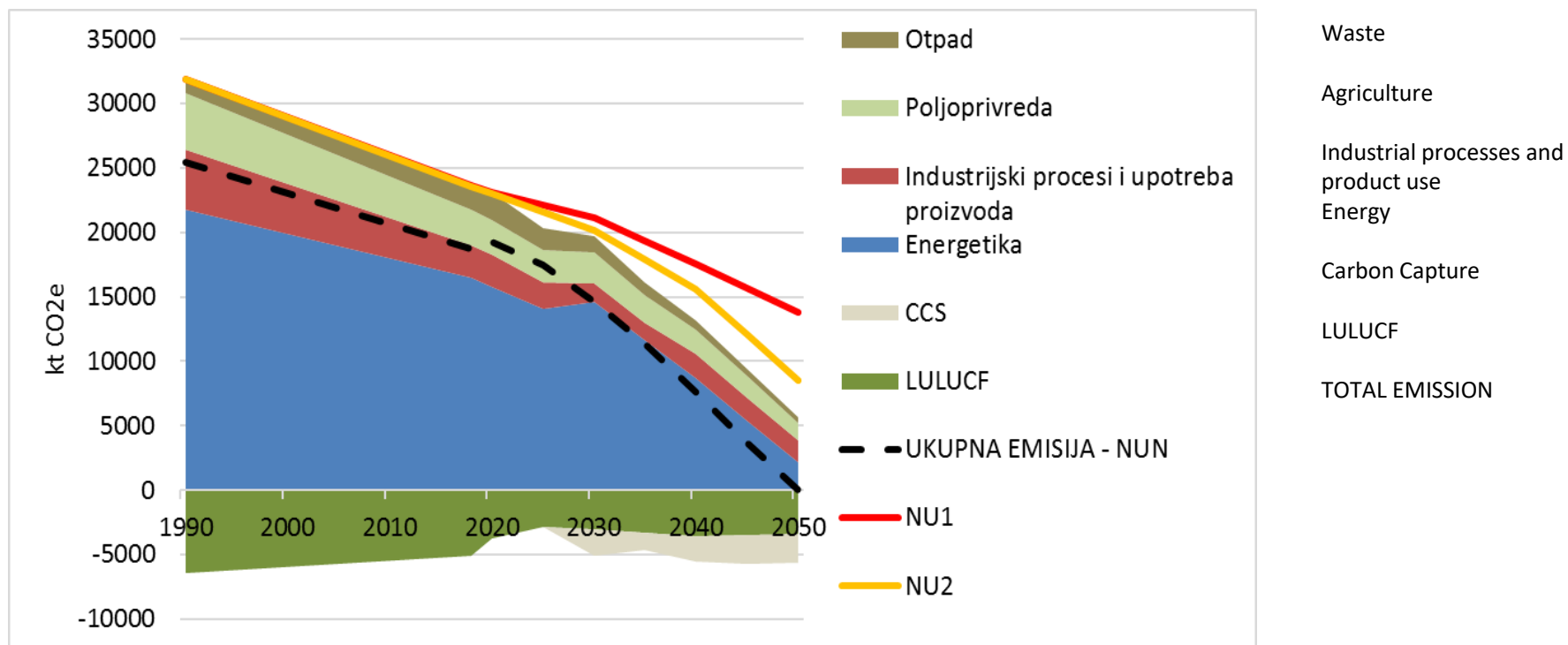
new

EU 2023/839



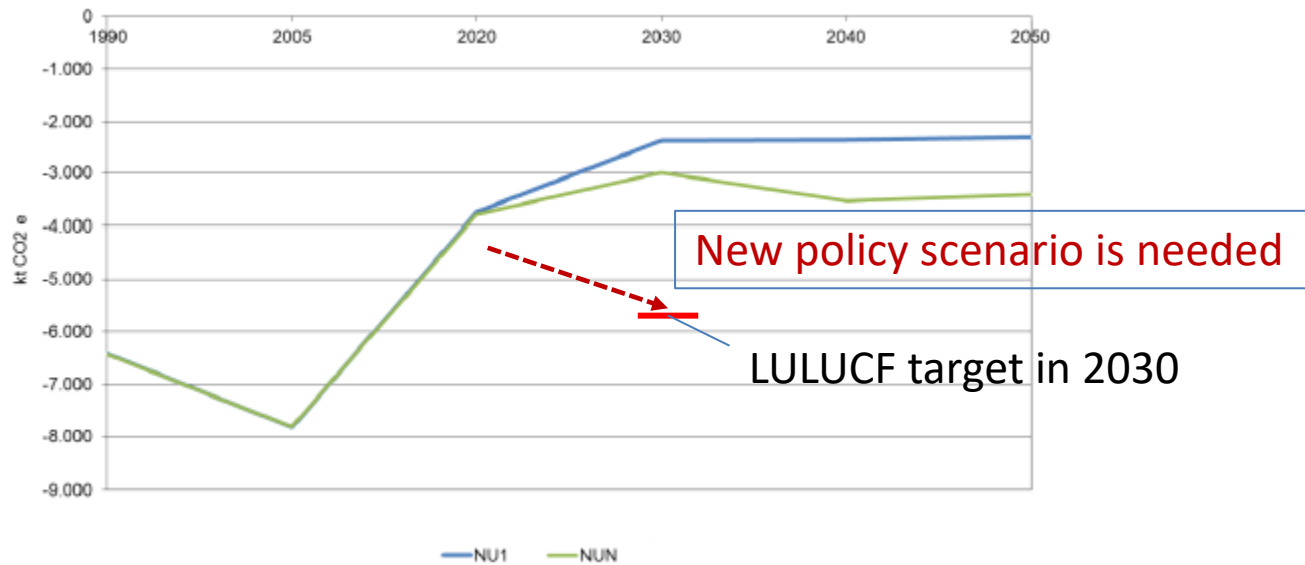
The revised rules set an **increased EU-wide target for carbon removals** to be achieved by 2030. This will contribute to the EU's overall goal of reducing EU net emissions by at least 55% by 2030 and of achieving climate neutrality in 2050.

Croatia transition pathways scenarios to carbon neutrality



Source: Scenario for Achievement of Climate Neutrality Scenarios of Republic Croatia till 2030, EKONERG 2021

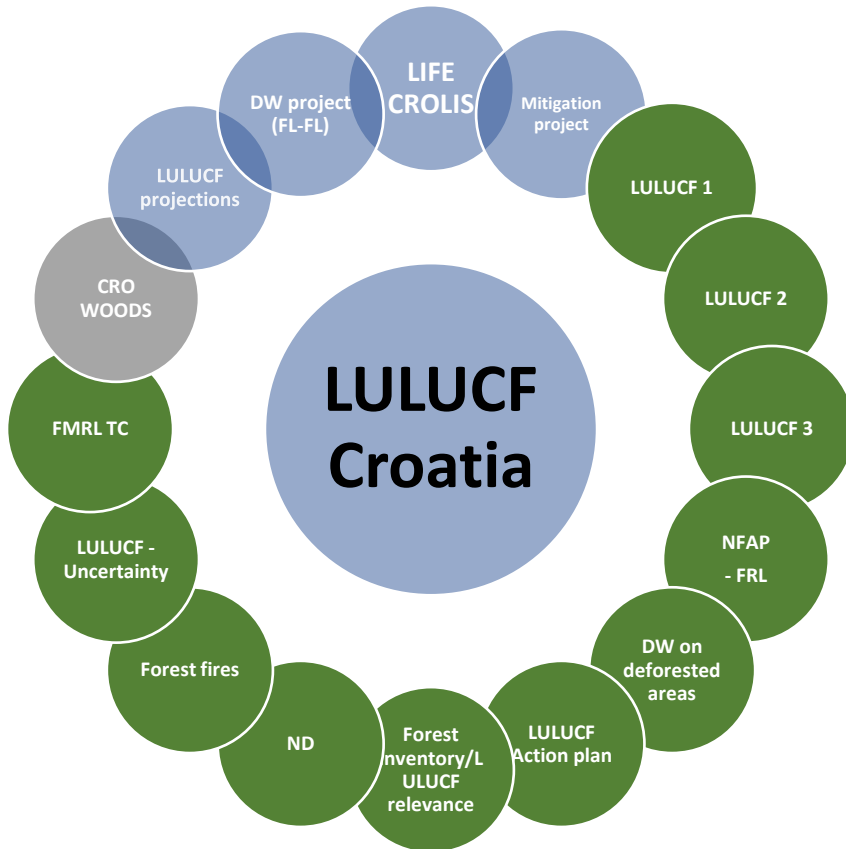
Croatia LULUCF Scenarios till 2050



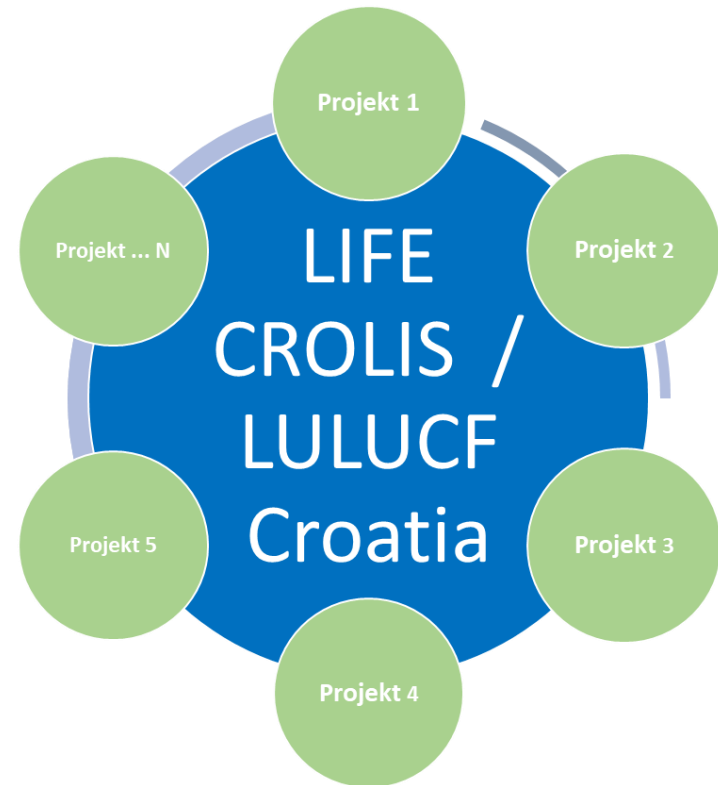
Source: NU1 and NUN from the Scenario for Achievement of Climate Neutrality Scenarios of Republic Croatia till 2030, EKONERG 2021

LULUCF – Projects in Croatia

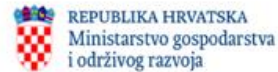
LULUCF projects (2014-2023)



LULUCF projects (2026-2030)

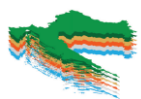


LIFE CROLIS



Land use and land cover information system

Development of a harmonized land monitoring data model that enables integration and processing of Land Cover (LC), Land Use (LU) and land management data from different data sources and its use for a variety of purposes, by using national data bases, COPERNCUS tools, land parcel information system, and other.



Project profile

Duration of the project:

- **1.10.2020. – 30.4.2024. (to be extended)**

Total value:

- **€ 6.248.735**

EU co – financing:

- **55% of eligible costs**

Beneficiary coordinator:

- **Ministry of Economy and Sustainable Development of the Republic of Croatia**

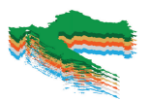
Partners:

- **Agency for Payments in Agriculture, Fisheries and Rural Development**
- **State Geodetic Administration**
- **Croatian Forests d.o.o.**
- **Ekoneg d.o.o.**

Croatian co - financing:

- **The Environmental Protection and Energy Efficiency Fund**





Project objectives

The four main objectives of the CROLIS project are:

- development and establishment of the **first multiple and multi-purpose land monitoring system** in the Republic of Croatia,
- application of data from CROLIS for reporting and calculation of GHG emissions and sinks from the LULUCF sector in accordance with the requirements of EU 2023/839 regulation and for fulfilling other reporting obligations
- enabling and ensuring the conditions for national authorities, decision-makers, experts, scientists, NGOs and other stakeholders to implement and use the CROLIS system on an ongoing basis, and
- provide a sustainable basis for planning and implementing climate change mitigation activities through reducing emissions and increasing greenhouse gas sinks in the Land Use, Land Use Change and Forestry (LULUCF) sector



Conclusion

- LULUCF is coming at front line of carbon neutrality pathway
- Croatia will have challenges to comply with targets
- Every carbon pool should contribute
- Upgrading of GHG inventory and monitoring system is needed with use of geoexplicitly presented data
- New financing resources should assure research and development of the reliable system (emission trading)
- Awareness of LULUCF importance is very low, messages should better transferred to policy makers
- LIFE CROLIS project is essential for building capacities