

# EU- Kazakhstan: Sustainable Energy Days

International Conference

Sustainable Energy in Kazakhstan: Prospects and Challenges

Rixos President Astana Hotel, June 2, 2023

## **Integrated sustainable energy and climate policy planning – practical experience of Lithuania in achieving ambitious targets for EE, RE and GHG**

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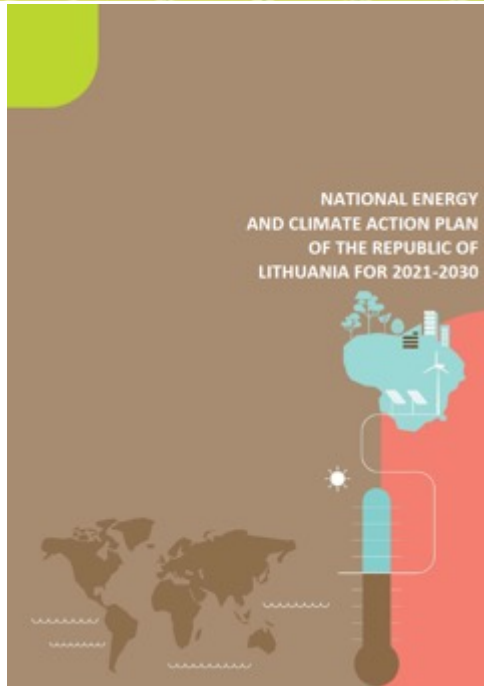
# Hierarchy of Targets

**EU targets till 2030**

**Lithuania targets till  
2030**

**Municipality targets till  
2030**

# Lithuanian National energy and climate action plan (NECP)



- Under EU Regulation 2018/2019
- Approved in 2019.
- Update required by June 30, 2024.
- European Commission guidelines for updating the NECPs.

**The NECPs include the implementation of the following strategies:**

National Energy Independence Strategy (NENS)

National climate change strategy (agenda from 2021 onwards)

**The main parts of the NECPs are:**

Energy efficiency

Energy security

The internal energy market

Research, innovation and competitiveness

Decarbonisation (decarbonisation)

**EC requirements for revision of the NECPs\***

Increased focus on energy security

Increased ambitions in the areas of energy and climate change (Fit for 55, RePowerEU packages, etc.)

Ensure a just and fair energy transformation and climate change management



# NECP revision plan

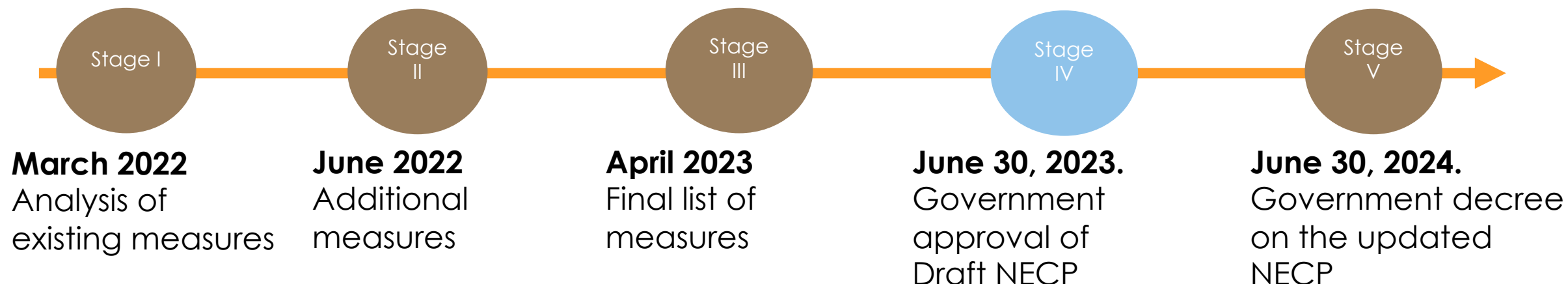
8 working groups  
300 soc. partners,  
including:  
The 5 main ministries  
3 agencies  
4 teams of  
consultants

~600 offers received  
~300 measures  
selected

Modeling performed  
Selected 126 of the  
most effective  
additional measures

Upcoming works:  
Preparation of the  
textual part  
Public and regional  
consultations  
Macroeconomic  
assessment of measures  
Submission to the  
European Commission

- Strategic Environmental Impact Assessment (SEA)
- Comments and corrections from the European Commission



# Renewable energy sources targets 2030

**70%**

In final energy consumption

**100%**

in electricity consumption

**75,9 %**

Existing measures **14,0%**

Planned measures **1,87%**

Baseline scenario + other sectors  
**60 %**

Off shore Wind in the Baltic Sea

**7,87%**

Kaunas and Vilnius COGENERATION POWER-PLANTS

**2,65%**

Mandatory blending of biofuels

**1,0%**

Other measures

**1,68%**

Solar in business sector (600 MW)

**0,84%**

Renewable Energy Communities for Poverty (340MW)

**0,47%**

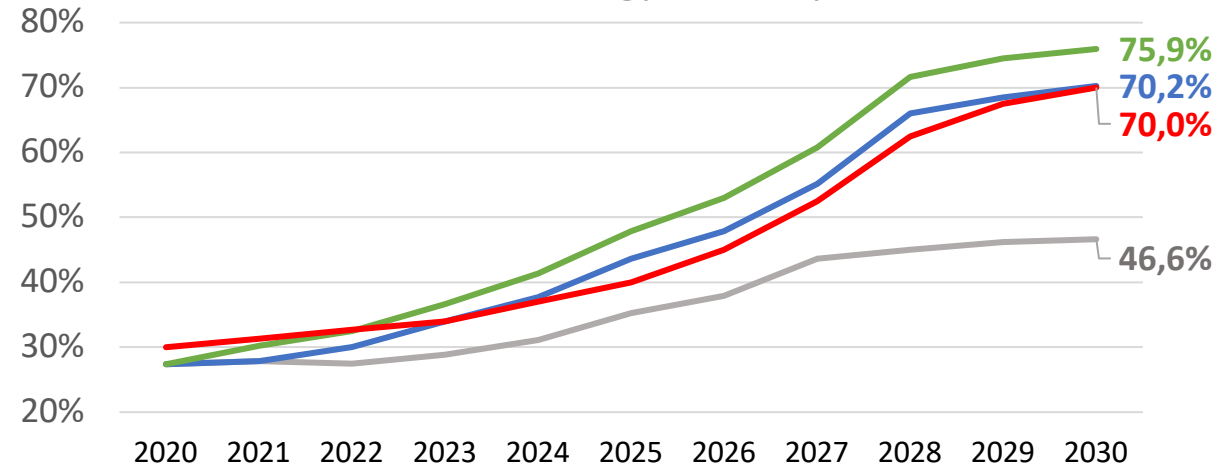
Investment support for biomethane plants

**0,18%**

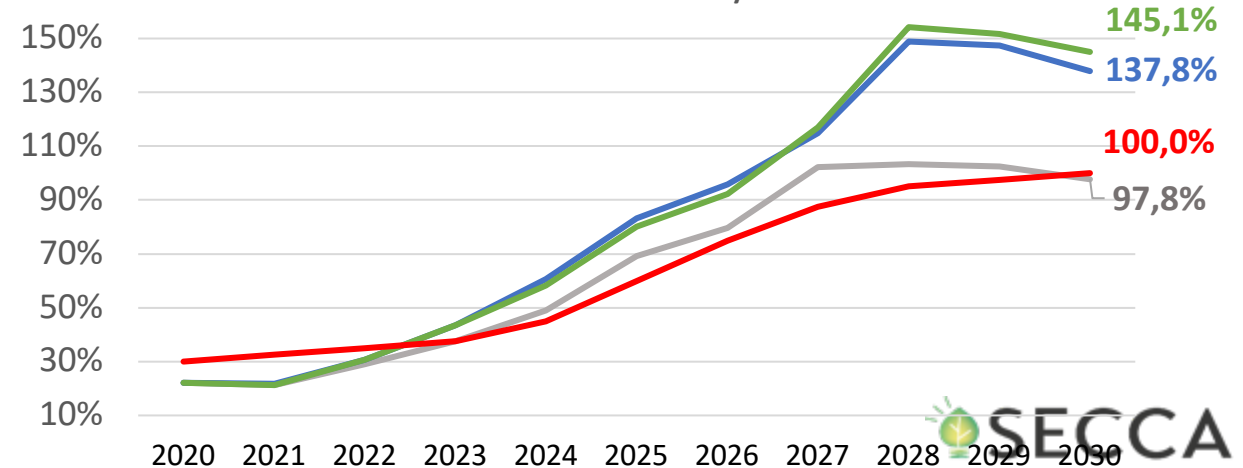
Other measures

**0,38%**

RES in final energy consumption



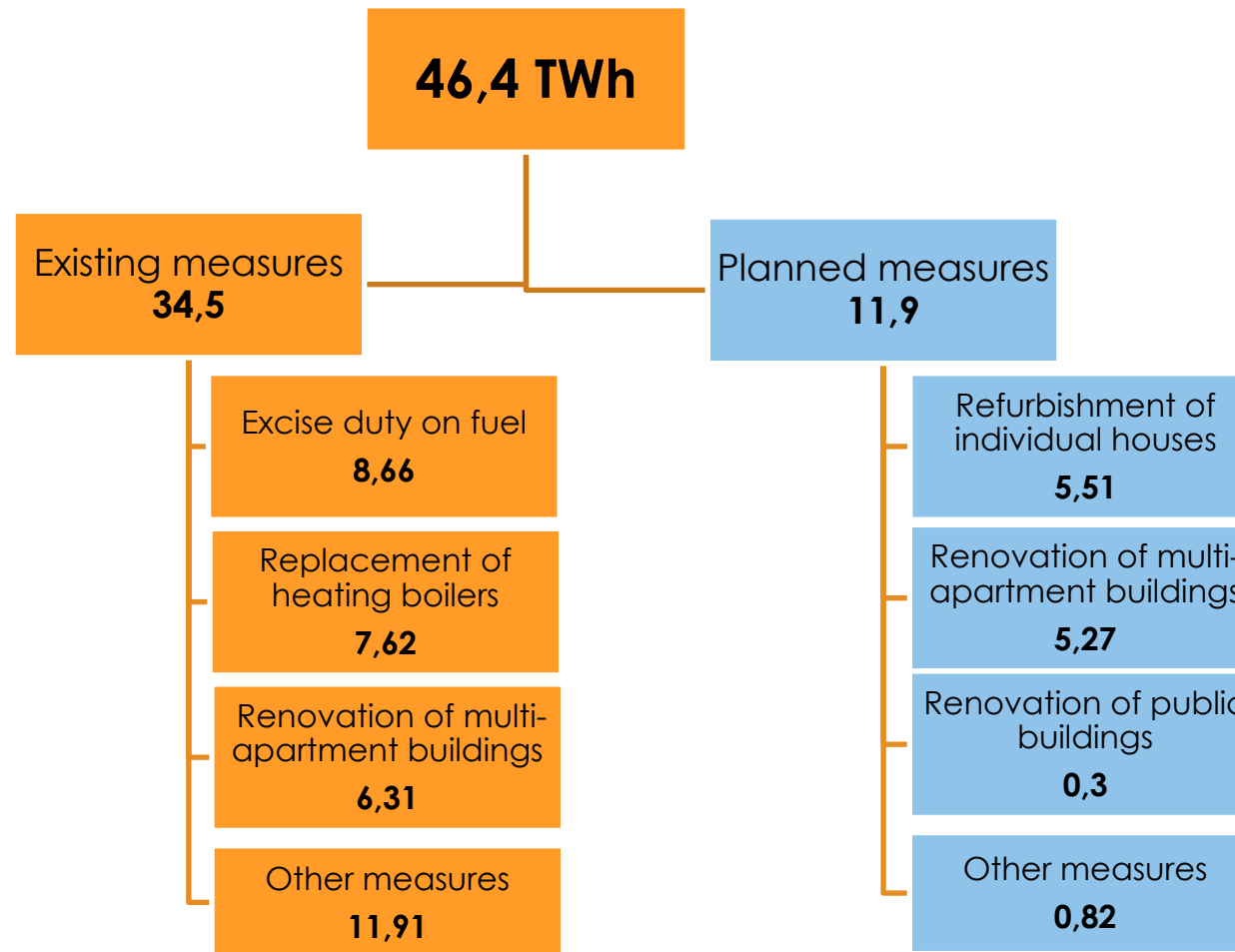
RES electricity



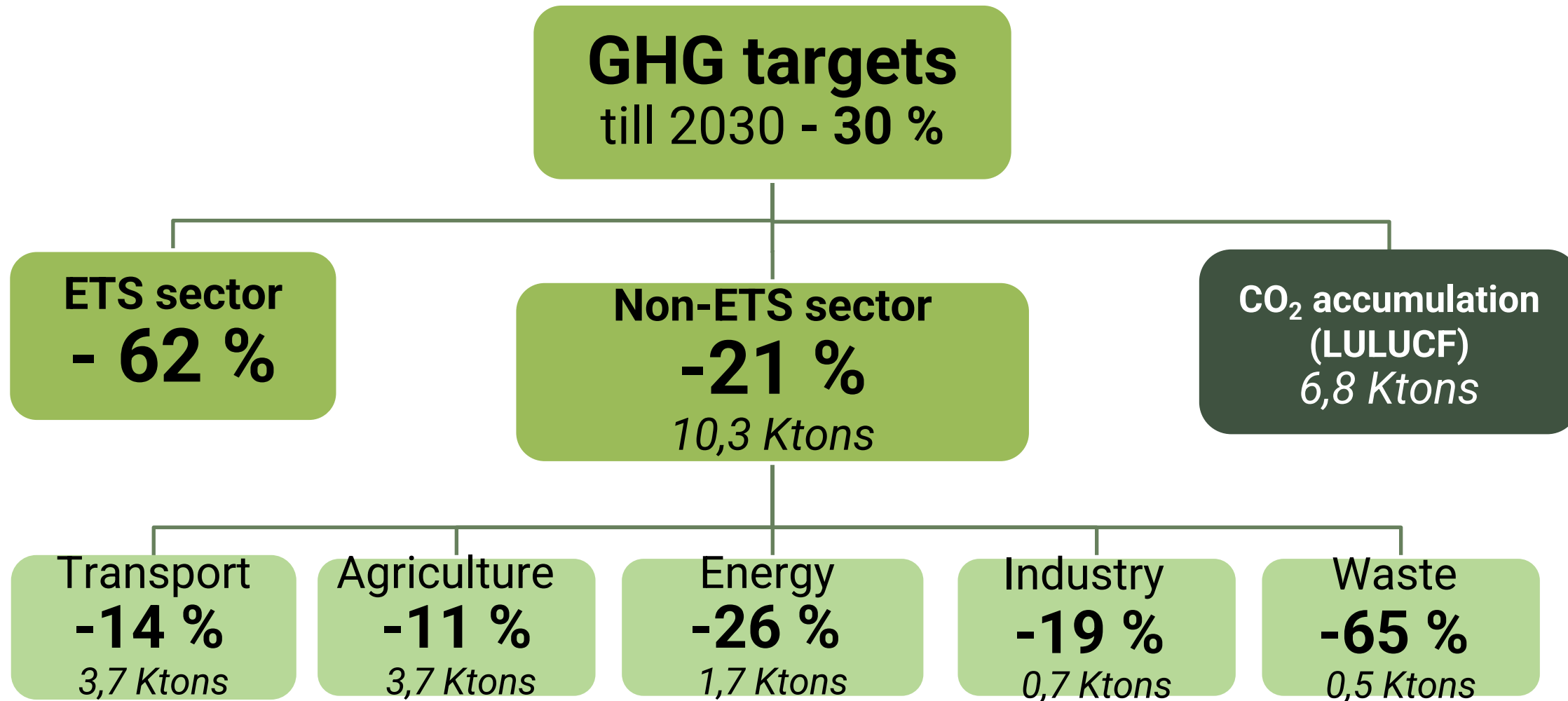
Funded by the European Union

# Energy efficiency targets till 2030

The 2030 target for Lithuania is 39.3 TWh. In total 19 energy efficiency measures.



# GHG targets till 2030







**THANK YOU FOR YOUR ATTENTION!**