



# Nordic-Baltic Energy Conference 2018

Tallinn, 27-28 September 2018

## National Integrated Energy and Climate Plan. LITHUANIA

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Ministry of Energy

# ***Organization of national process***

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- **Close cooperation between Ministry of Energy** (energy related issues) **and Ministry of Environment** (climate)
- **Interinstitutional Working Group:**
  - Chaired by Vice-ministers of above mentioned ministries;
  - Consist of experts from Ministry of Transport, Ministry of Economy, Ministry of Agriculture, Ministry of Education and Science, Ministry of Foreign Affairs and Department of Statistics
- **Involvement of the Parliament**
  - Reporting to EU Affairs Committee foreseen
- **Consultancy service from European Commission (ICF)**

# ***Regional consultation***

- BEMIP



- Baltic Council of Ministers

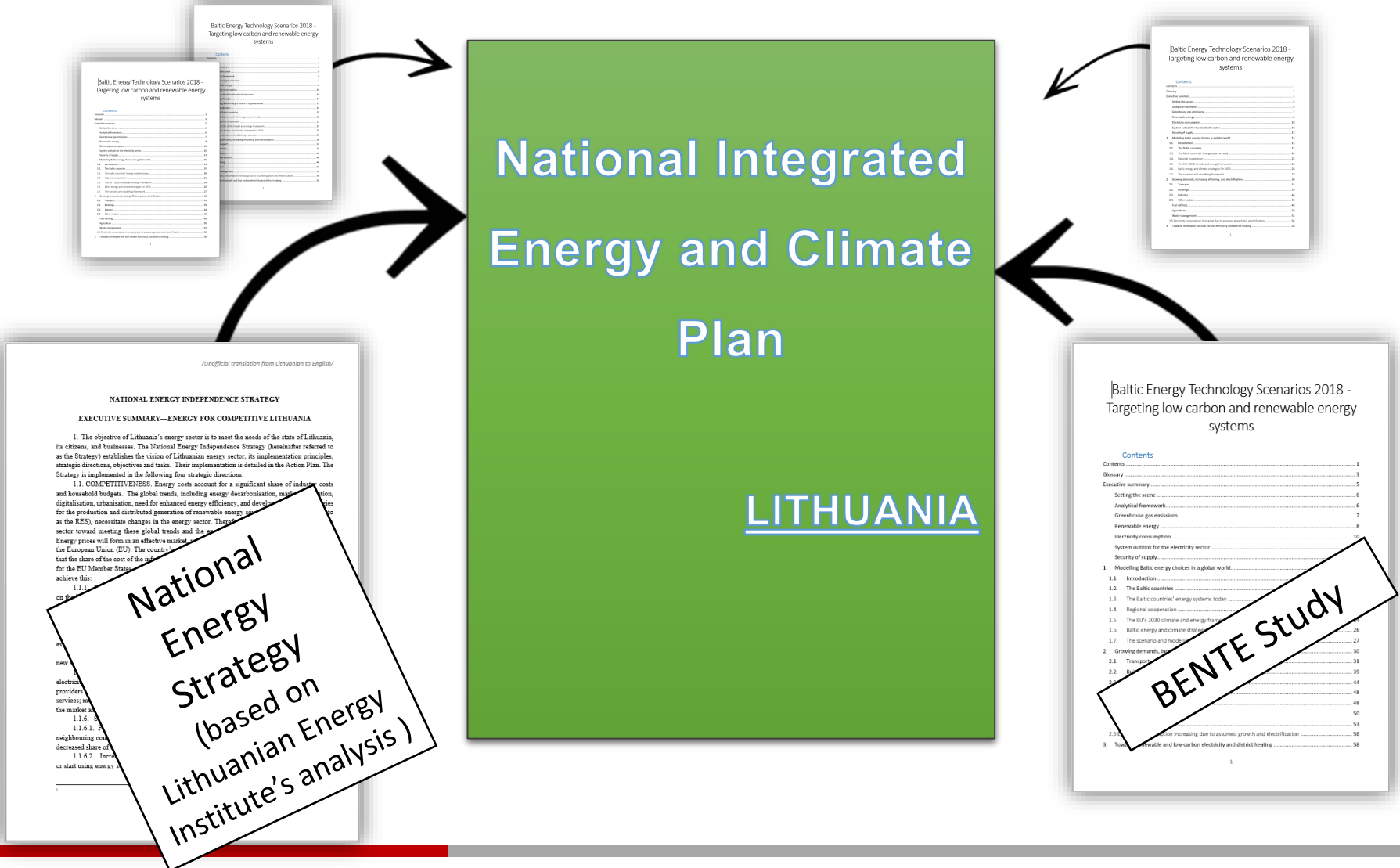


- LT - PL Energy Working Group





# NECP is 'cooking'





## II. National Energy and climate Plans (NECP) *Overview of the draft template*

### Integrated National Energy and Climate Plans

#### PART A NATIONAL PLANS

#### PART B ANALYTICAL BASIS

#### 1. Overview and Process for Establishing the Plan

#### ENERGY UNION

##### Dimensions

Decarbonisation

Energy efficiency

Energy security

Internal energy  
market

R&I and  
competitiveness

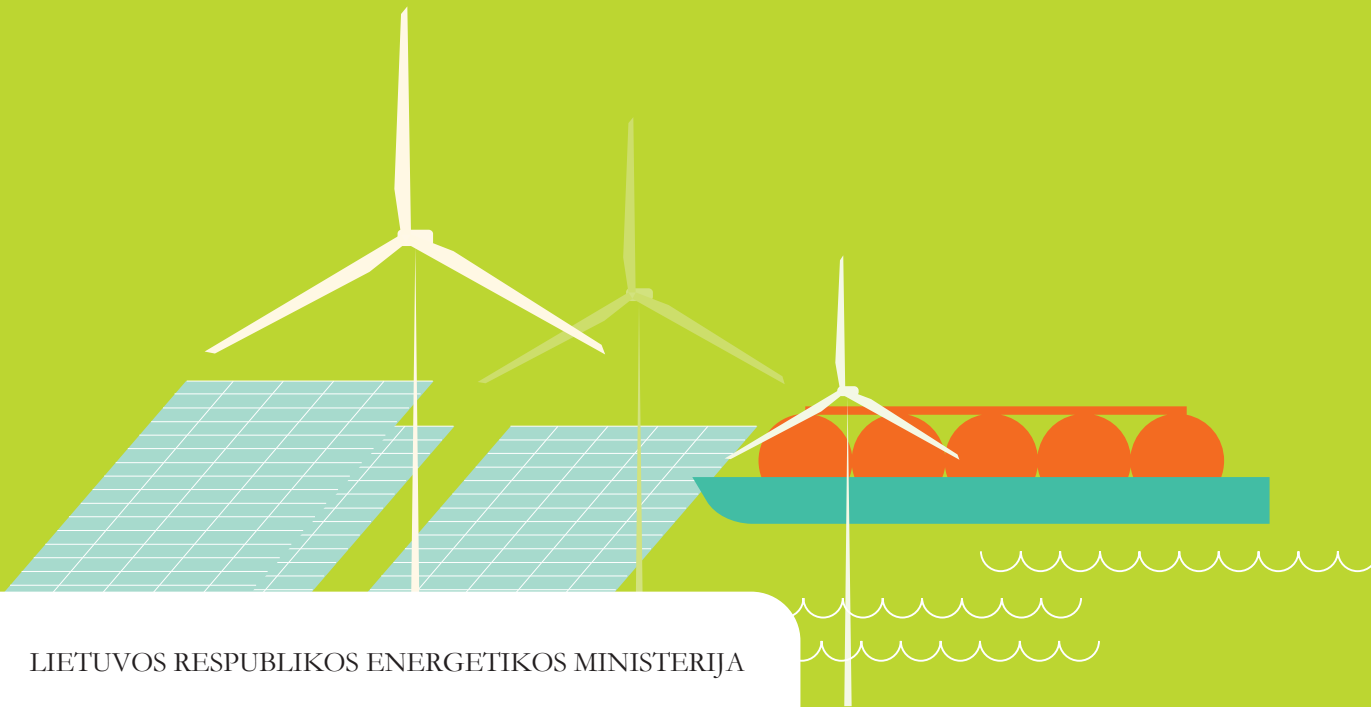
2. National  
Objectives  
and Targets

3. Policies and  
Measures

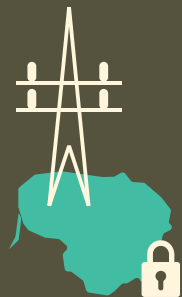
4. Current Situation  
and Reference  
Projections

5. Impact  
Assessment of  
Policies and  
Measures

# New Energy Strategy of Lithuania

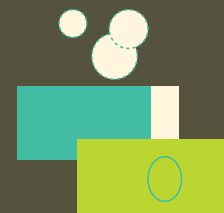


# Our way forward – Strategic directions



Complete  
projects of  
**energy  
security**

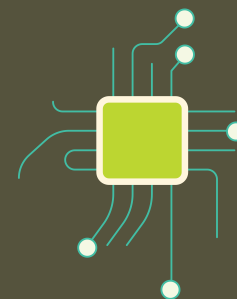
Special  
attention to  
**competitiveness**



Diminish  
impact on  
**environment  
and climate  
change**



**Innovations  
in energy:**  
create, apply,  
export

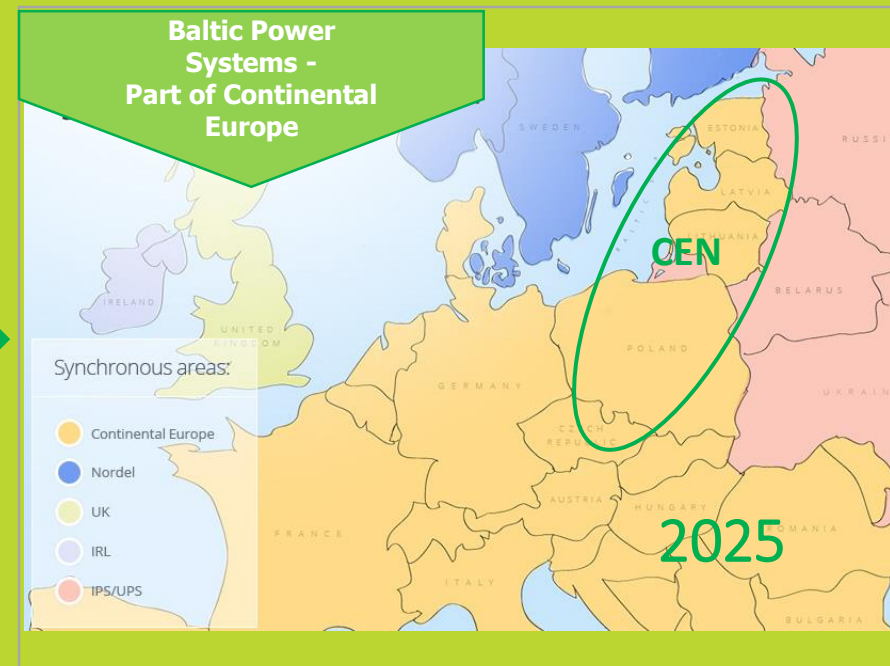
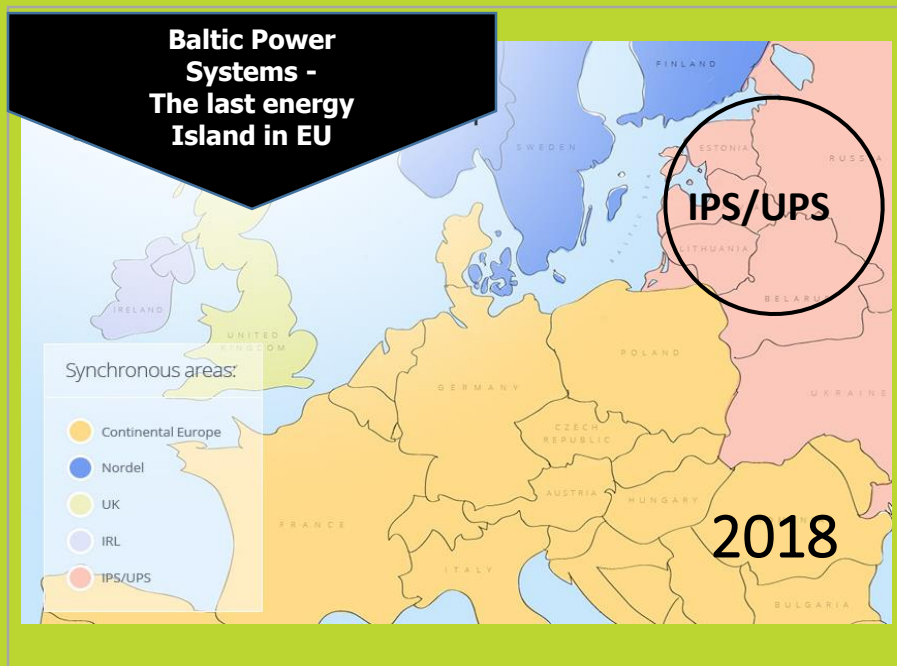


# 1. ENERGY SECURITY



# Synchronization – strategic project for energy security

- Baltic States – the only countries in the EU which operates in Russian (post-soviet) electricity system
- Synchronization – a significant building block to complete the European Union's Energy Union (increase market effectiveness, eliminate dependence on 3rd countries' electricity system)
- Baltic States together with Poland and EC on 28th of June 2018 signed the Political Roadmap on synchronization with CEN



# LNG terminal „Independence“ – benefits to state and consumers

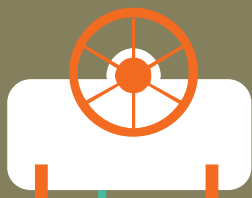
## SECURITY OF STATE

Energy security –  
eliminates dependence  
on monopoly and prices  
dictation

Competition – 5 LNG  
suppliers from 5 countries

LNG terminal usage –  
among the TOP rates in  
the EU

## COMPETITIVENESS OF ECONOMY



Alternative fuel for  
maritime and heavy  
transport –  
small-scale LNG  
developments

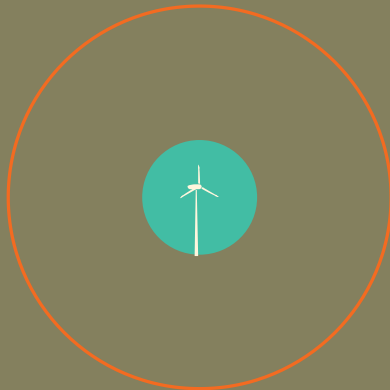
LNG  
innovations,  
technologies,  
competencies  
and their export



## 2. GREEN ENERGY

# Long-term vision – Era of green energy

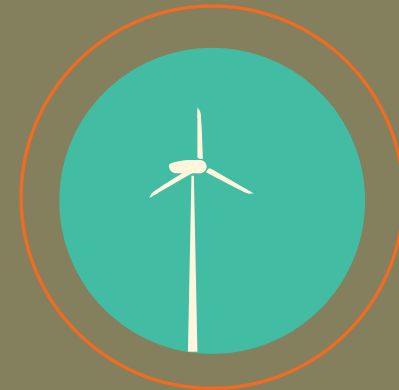
Until 2050 – renewable energy will dominate in electricity, heating and transport sectors



2020 – 30%



2030 – 45%



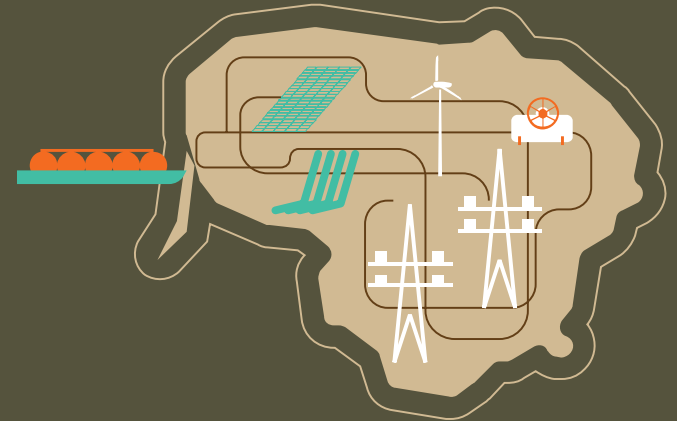
2050 – 80%

Share of RES in the energy-mix



# Renaissance of local generation

**Long-term goal** –self-sufficient local generation by 2050



## Near future steps

- Decision on expansion of Kruonis HPS plant (2018)
- Technology neutral auctions for additional RES capacities (2019)
- Small-scale CHP plants (2019)
- Large-scale CHP plants (2020-2021)
- Increasing number of prosumers



# 3. INNOVATIONS



# Lithuania – energy technologies creating and exporting country

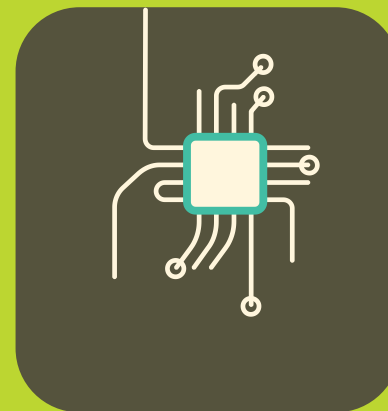
**Biomass  
technologies  
and  
competencies**



**LNG  
distribution  
and  
competence  
centre**



**Solar and  
wind energy  
technologies**



**Lithuanian  
energy agency  
– as a centre of  
competence  
and analysis**



**Name:**  
**Facade (Baltic Disk )**

**Country: Estonia**

**Installed capacity:**  
**11.6 kW**

**Installer:**  
**PCE Baltic**



**Thank you!**

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