



# Lithuanian Strategy towards Climate Neutral Energy

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# LITHUANIA'S and the EU RES TARGETS

## Main directions:

- ➔ Wind energy
- ➔ Prosumers
- ➔ RES in transport

Final energy consumption  
2020  
23%  
(EU target 20%)

Final energy consumption  
2020  
(actual data)  
27,36 %

Final energy consumption  
2030  
45 %  
(EU target 32%)

Final energy consumption 2050  
80 %  
(EU target 100%)

RES electricity  
50 %

RES transport  
15 %

RES heating  
90 %

RES electricity  
100 %

RES transport  
50 %

RES heating  
100 %

**Installed onshore wind capacity - 545 MW**

(support by obligatory purchase of generated electricity at fixed rate)

- The largest source of RES electricity production
- 13 % of electricity demand

**on-shore wind power plants under development – over 900 MW**

(operation mostly under market conditions)

**onshore grid capacity to connect RES – 3.5 GW**



# OFFSHORE WIND

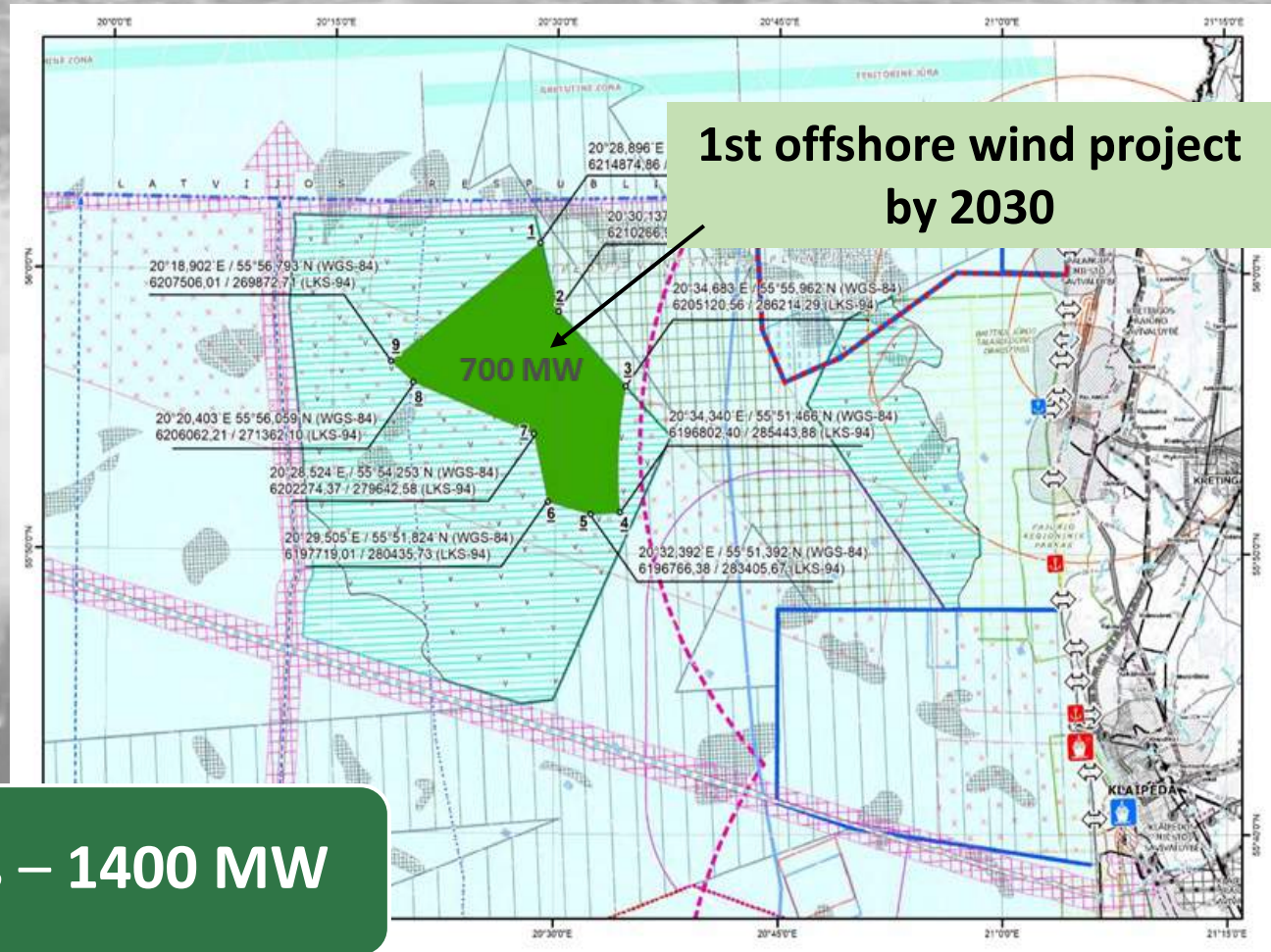
EU Offshore Strategy 2030

60 GW offshore wind  
1 GW ocean energy

Baltic Sea  
potential  
93 GW

Lithuanian  
potential  
3,35 GW

2 offshore wind power plants – 1400 MW



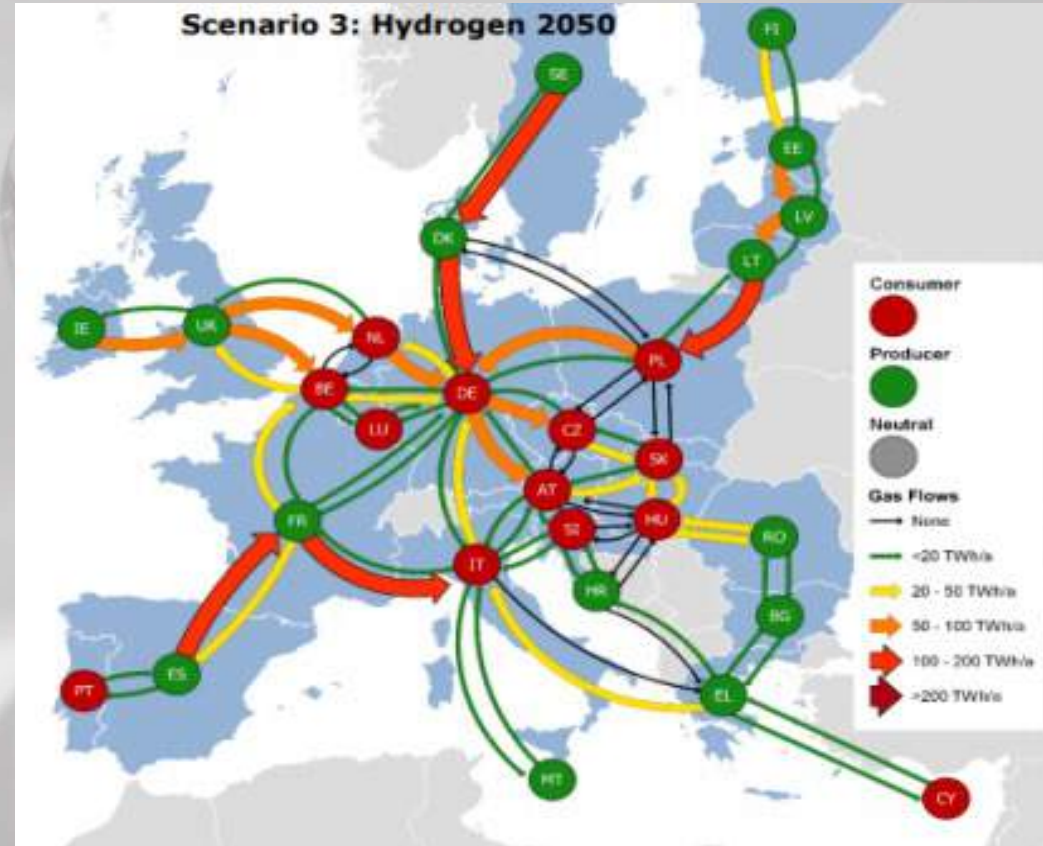
# LITHUANIA – FUTURE GREEN HYDROGEN EXPORTER

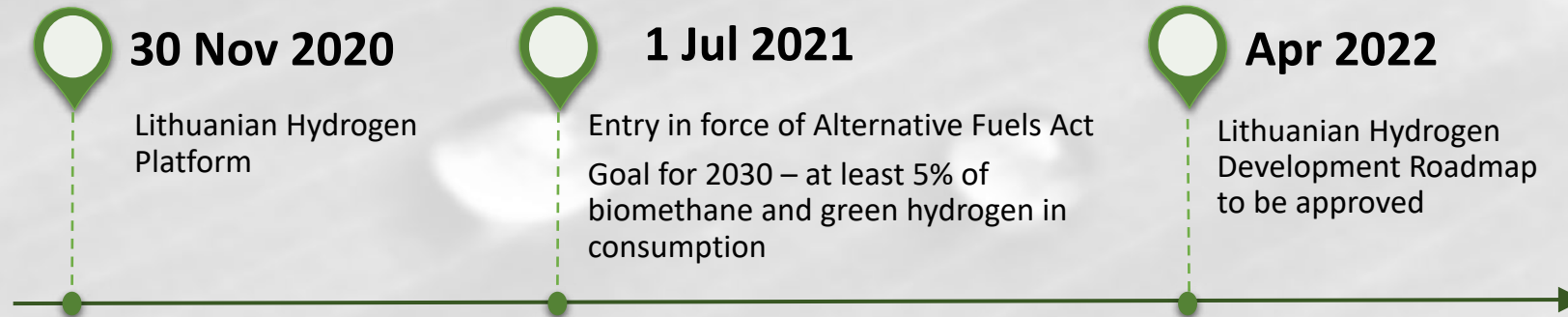
Source: European hydrogen potential scenario  
(European Commission, 2020)

The surplus offshore wind electricity production will be used for electrolysis and the generation of renewable hydrogen

Lithuania has a well-developed gas network. GIPL, a gas link with Poland, is being finished

Renewable hydrogen could also be exported via Port of Klaipėda or used for shipping fuel





## Recovery and Resilience Facility

20 million Euro (confirmed)

- „green“ hydrogen production capacities, pilot and experimental projects
- Competition-based project selection; foreseen start – end of 2021

## EU Modernization Fund

application for 50 million Eur investments in „green“ hydrogen for 2021-2022

- Enhancement of „green“ hydrogen production capacities and development of hydrogen's value chain in Lithuania
- Confirmation from the European Commission and the European Investment Bank is expected in the first half of 2022





**THANK YOU FOR ATTENTION !**