



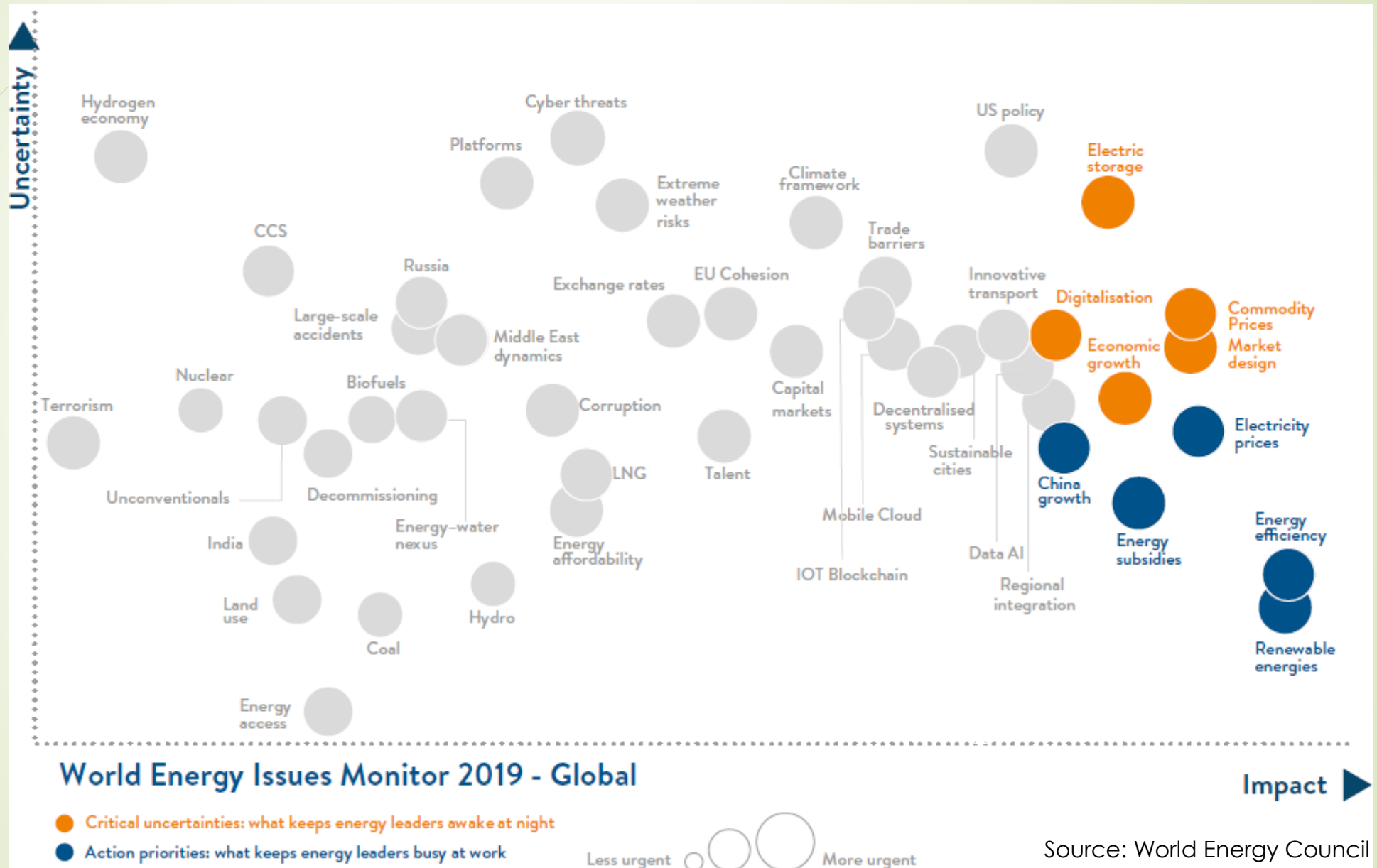
# Smart Energy Transition in Latvia and around the globe

Dr.oec. Olga Bogdanova

AS "Augstsprieguma Tīkls"

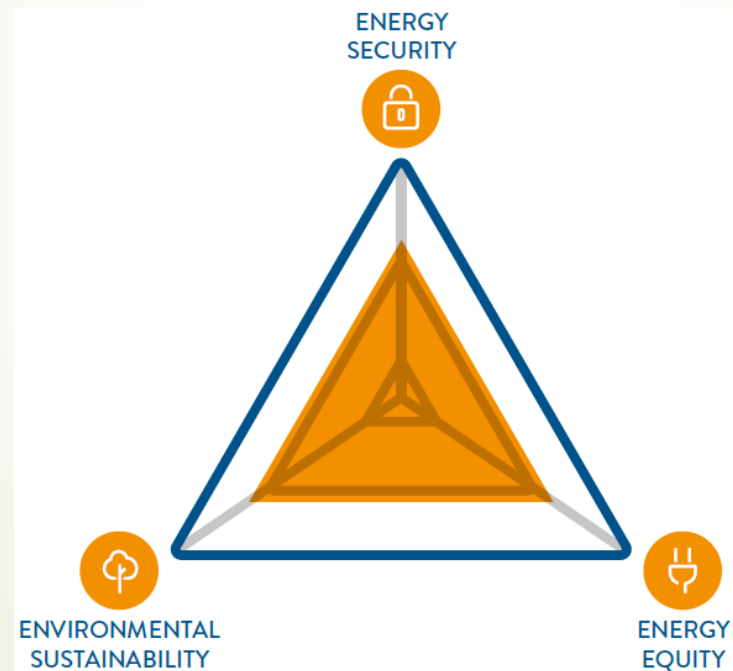
Supervisory Board of Power Transmission System Operator

# The global perspective of the Energy Transition



# Global Energy Transition process

- Managing a successful global energy transition – one that secures the benefits of **reliable**, **affordable** and **sustainable** energy for all – is challenging.



## ENERGY SECURITY

Reflects a nation's capacity to meet current and future energy demand reliably, withstand and bounce back swiftly from system shocks with minimal disruption to supplies.

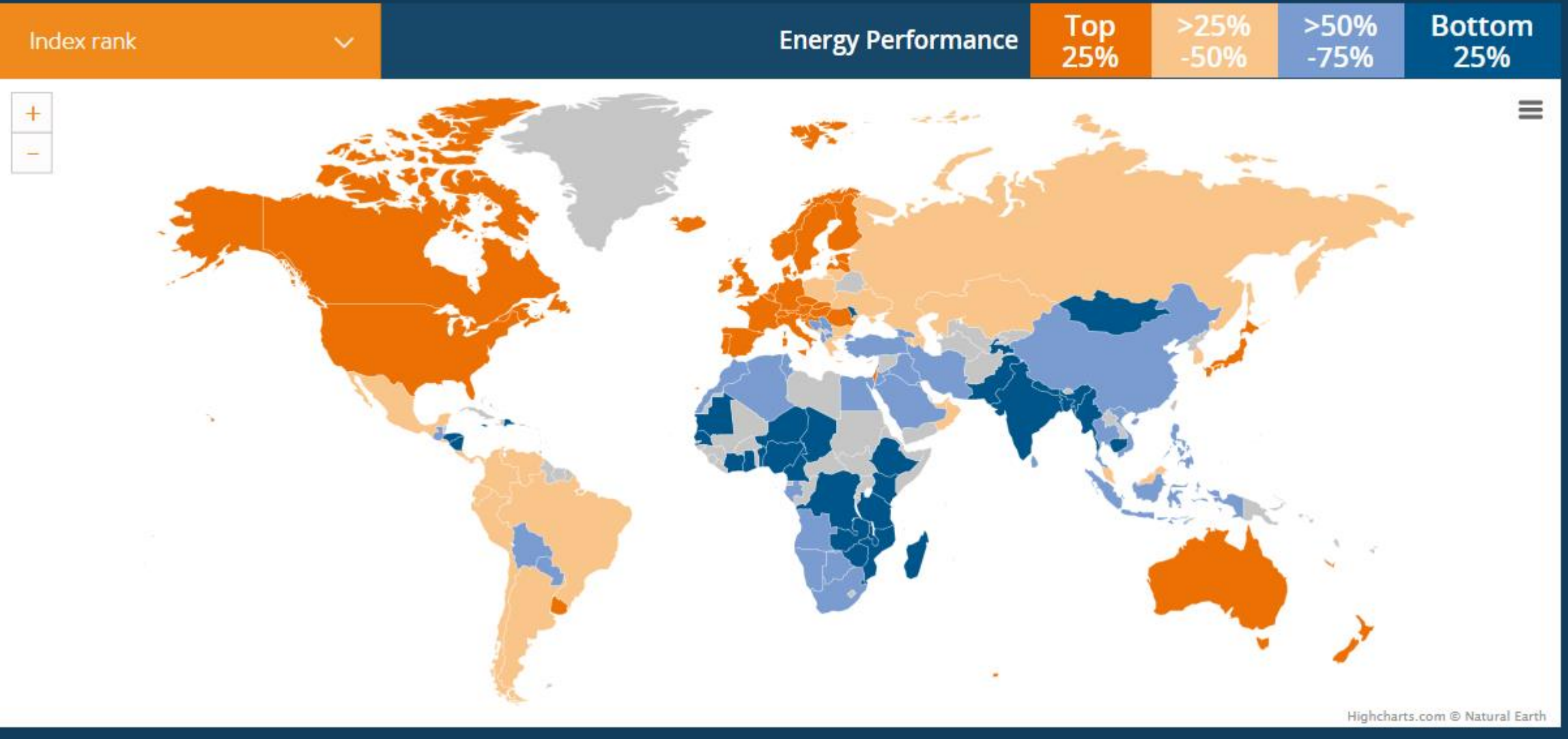
## ENERGY EQUITY

Assesses a country's ability to provide universal access to affordable, fairly priced and abundant energy for domestic and commercial use.

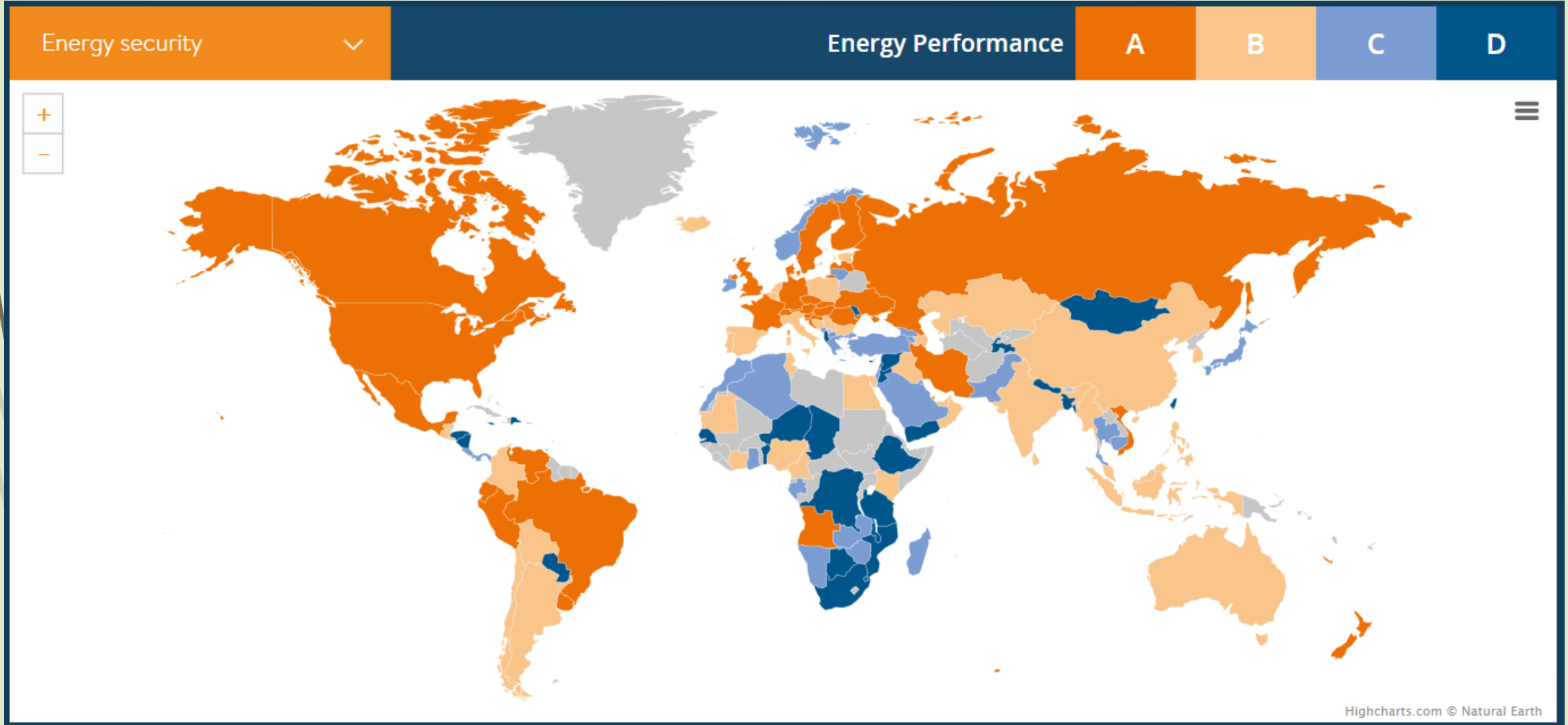
## ENVIRONMENTAL SUSTAINABILITY OF ENERGY SYSTEMS

Represents the transition of a country's energy system towards mitigating and avoiding potential environmental harm and climate change impacts.

# Trilemma index rank (total)



# Trilemma index rank (energy security)







# Trilemma index rank (energy sustainability)

Environmental sustainability ▾

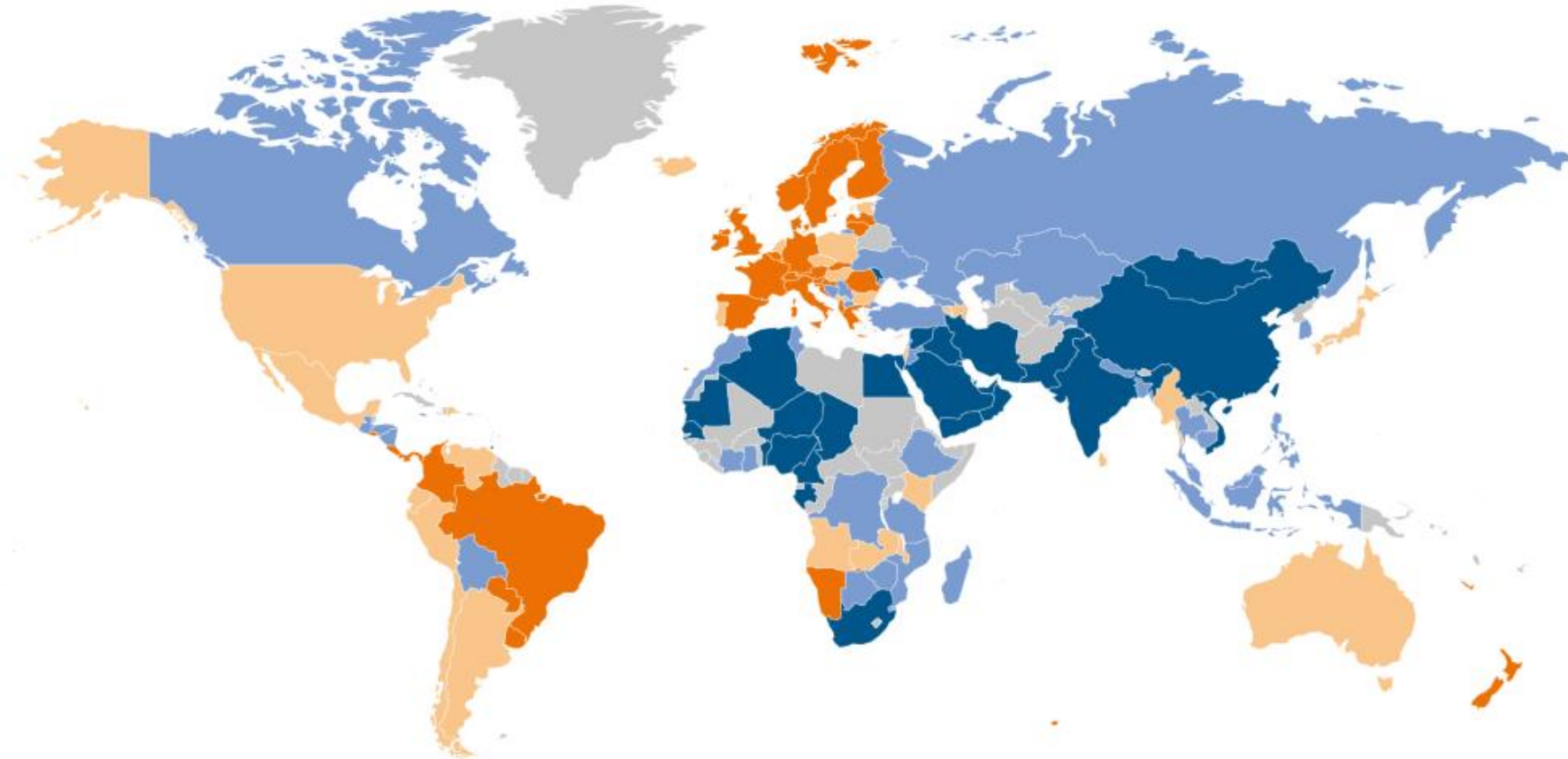
Energy Performance

A

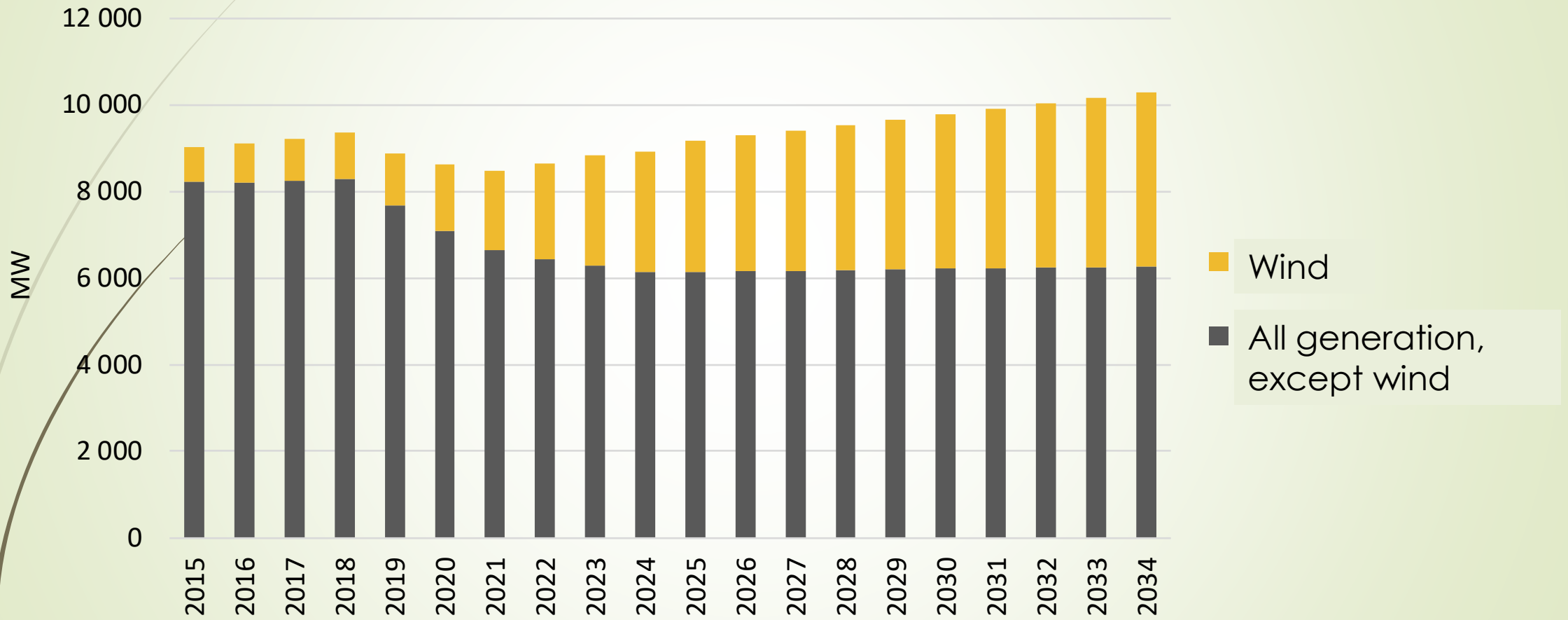
B

C

D



# The Baltics: going greener!





# 1. Network development



	<b>Kurzemes loks</b>	<b>Pārvades linija Rīgas TEC-2 – Rīgas HES</b>	<b>Latvijas – Igaunijas 3. starpsavienojums</b>	<b>Pārvades linija Valmiera (LV) – Tartu (EE)</b>	<b>Pārvades linija Valmiera (LV) – Tsiguliina (EE)</b>
<b>Year of realization</b>	2019	2020	2020	2023	2024
<b>Total costs</b>	127 milj. EUR	14,58 milj. EUR	84 milj. EUR	23 milj. EUR	22 milj. EUR
<b>EU financing</b>	55 milj. EUR	50%	62%	75%	75%
<b>Total length</b>	207 km	13 km	176 km	49 km	49 km

# 2. Ballancing

## Wind energy generation in the Baltics

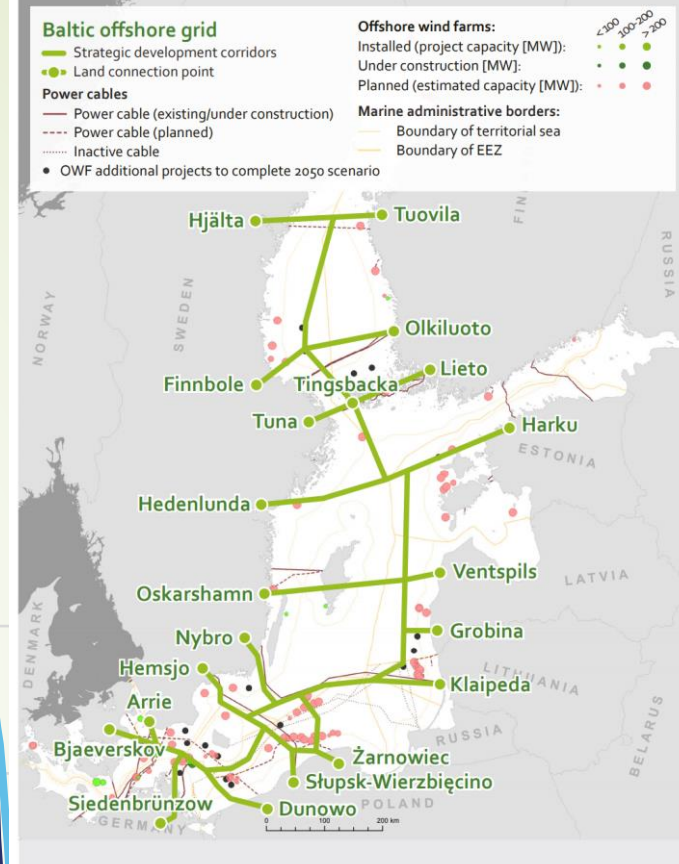
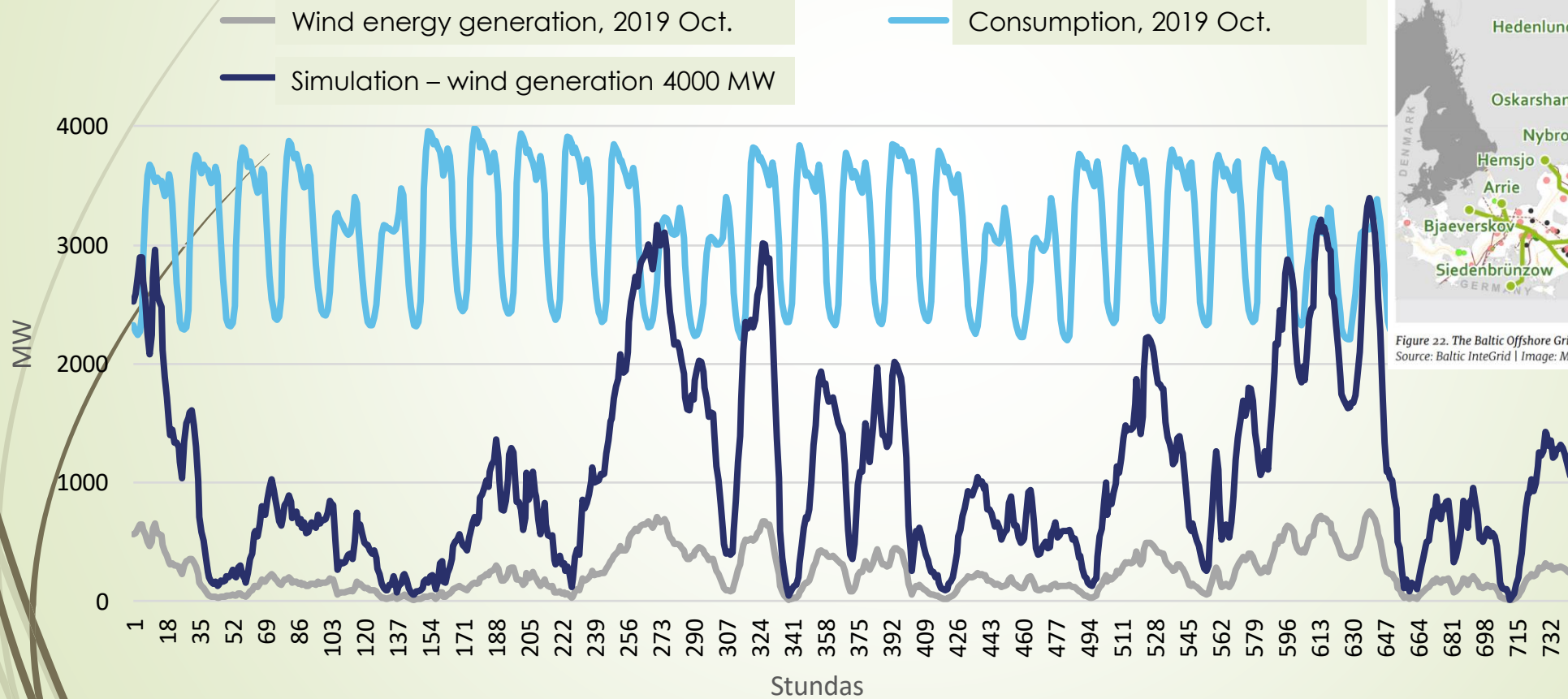
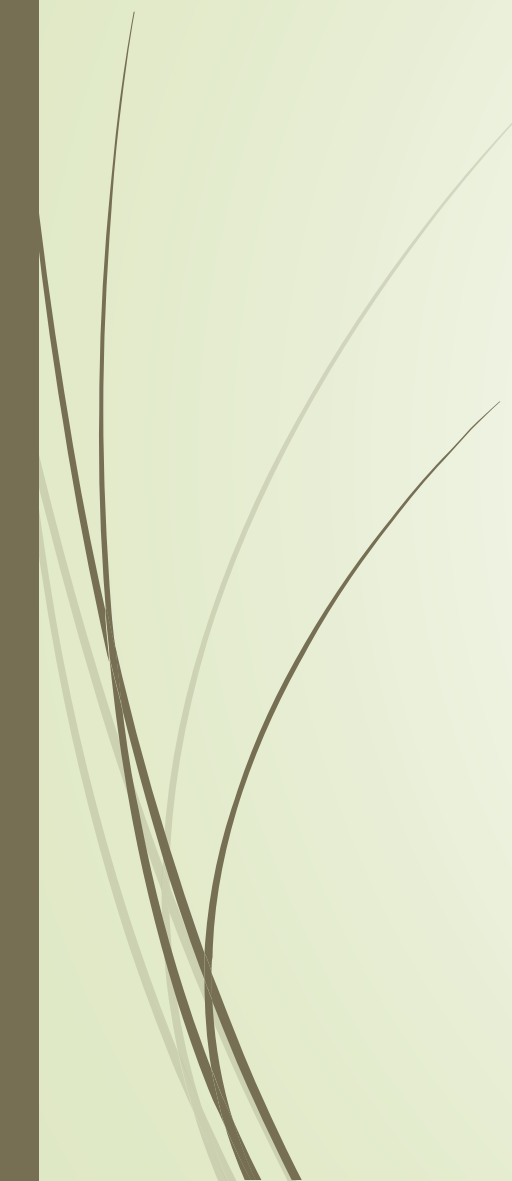


Figure 22. The Baltic Offshore Grid (BOG 2050) concept. Source: Baltic InteGrid | Image: MIG



# Questions to face

- New generation capacities;
  - Ballancing market development;
  - Network adjustment to the needs;
  - Depand response;
  - Energy prices!
- 



Thank you!