Today

Offshore wind in Europe

WindEurope

information

About Latvia:

wind, see, harbours, geology, environment, economy , electrical grid and market, regulation and restrictions, legal acts, strategy .....

Offshore wind Riga May 2017

Offshore wind Riga May 2017

Offshore wind Riga May 2017

WIND POWER IN LATVIA

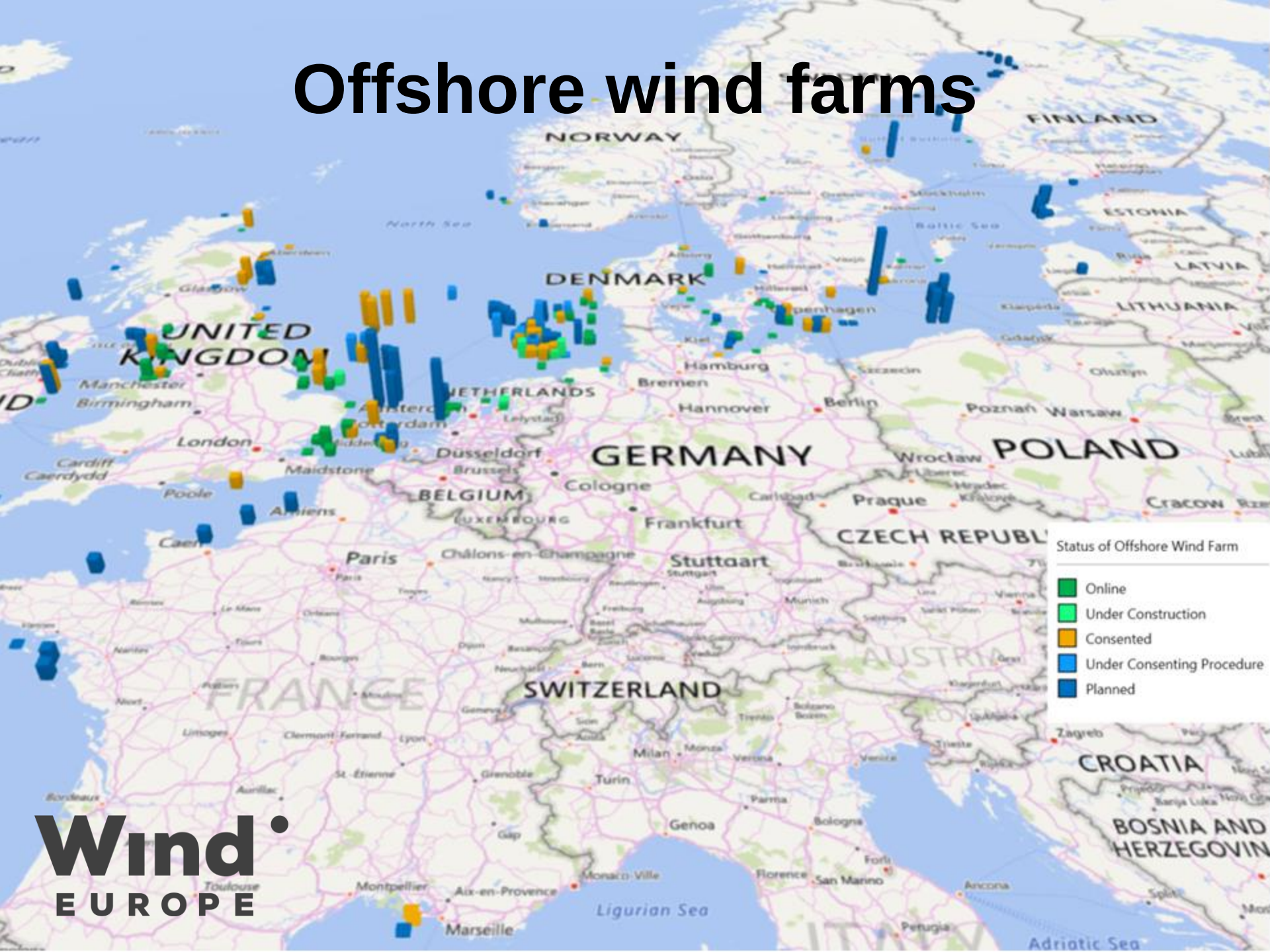
Dr.Sc.ing **Paulis Barons**

Latvian Wind Power Association

Board member

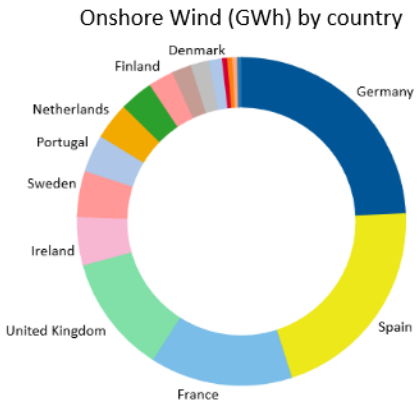
Offshore wind Riga May 2017

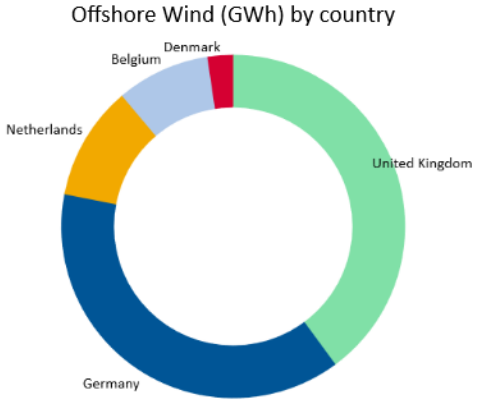
Offshore wind farms

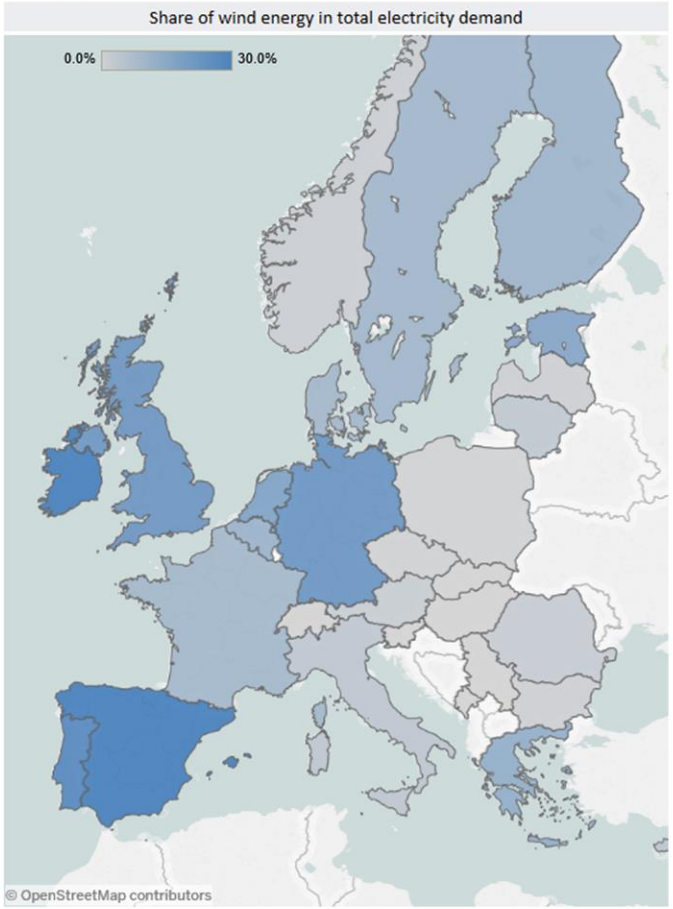


Wind EUROPE

Daily wind power numbers







Share of wind energy in electricity demand

12.9%

Onshore Wind (GWh)
1,098
Offshore Wind (GWh)
185

WHICH COULD POWER

Equivalent EU households*
129 million

OR

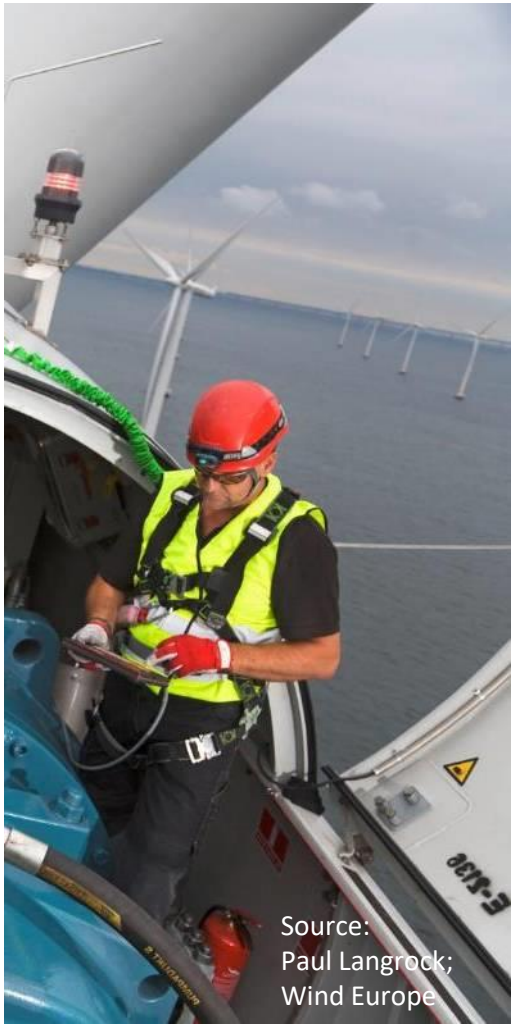
Average industrial electricity demand **
45%

* Elaborated on the electricity demand of an average EU28 household in 2015, Eurostats
** Elaborated on the industrial electricity consumption of each EU28 country in 2015, Eurostats

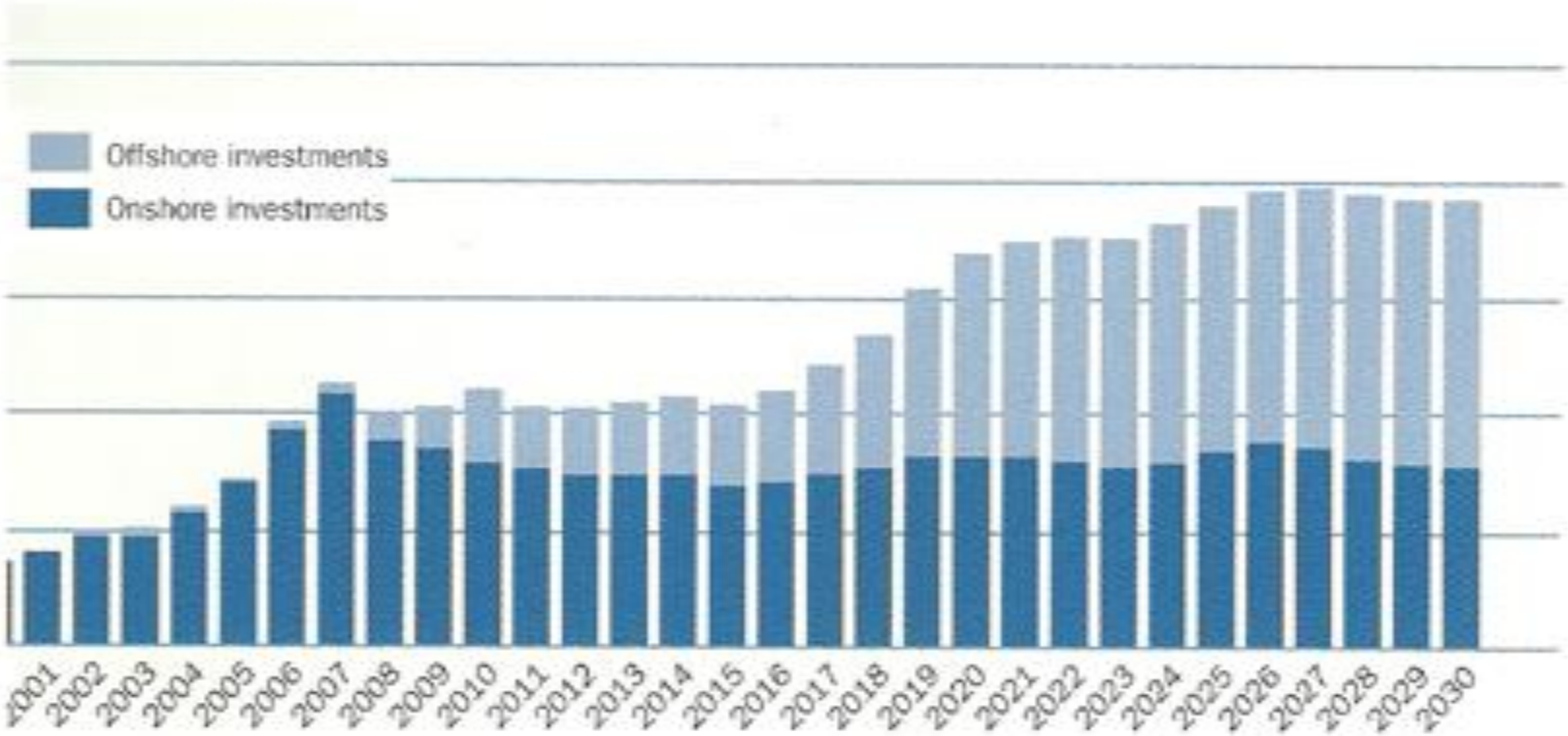
windeurope.org/daily-wind/

Economic output

- 330,000 jobs
- €72bn 2015 turnover
- €27.5bn invested in 2015
- €1bn EFSI direct investments

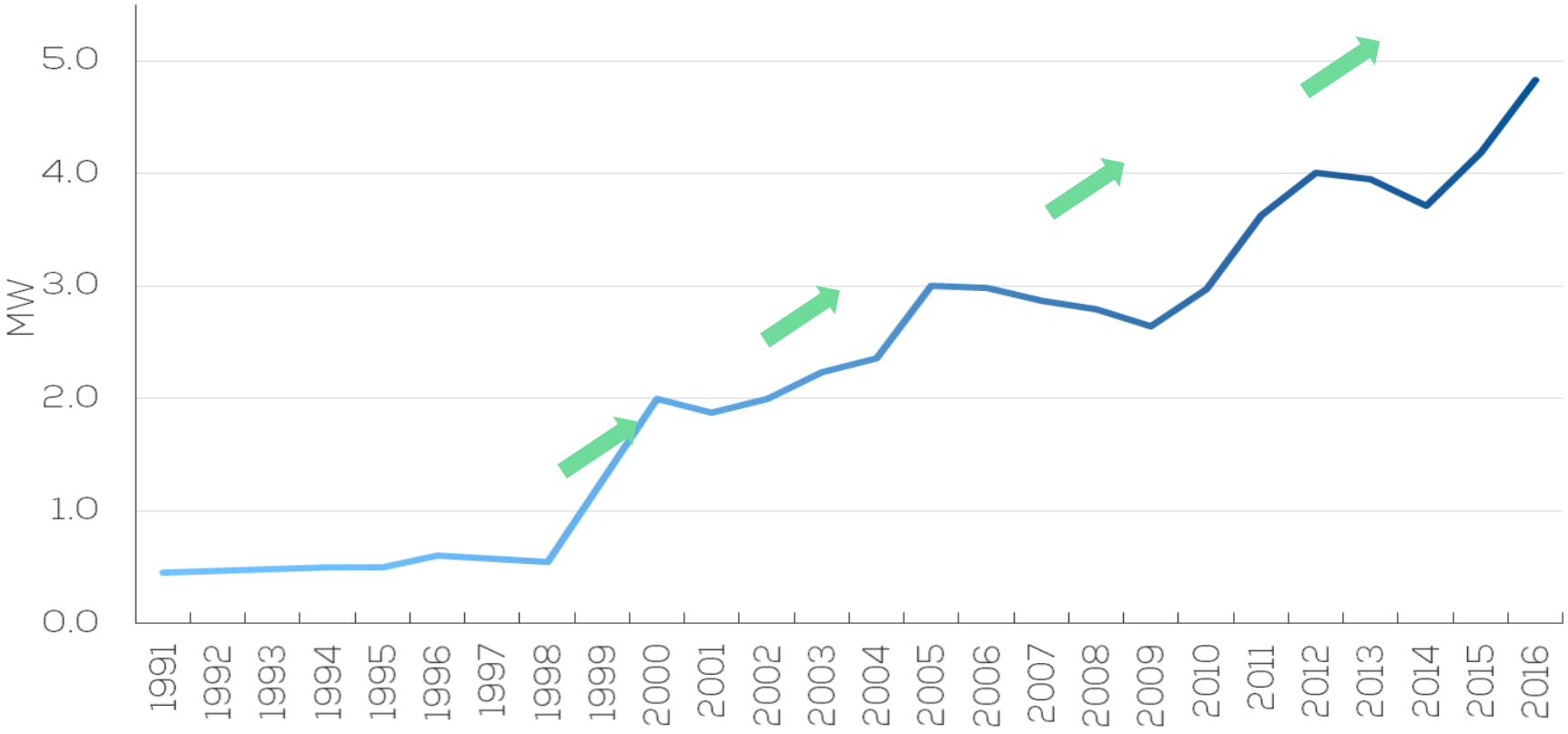


Wind energy investments 2000 - 2030



Offshore turbine development

Turbines are **15% larger** than in 2015



Offshore outlook

- Market still focused on North West Europe
- Stable pipeline next 4 years
- Uncertainty after 2020 in some countries

Positive outlook

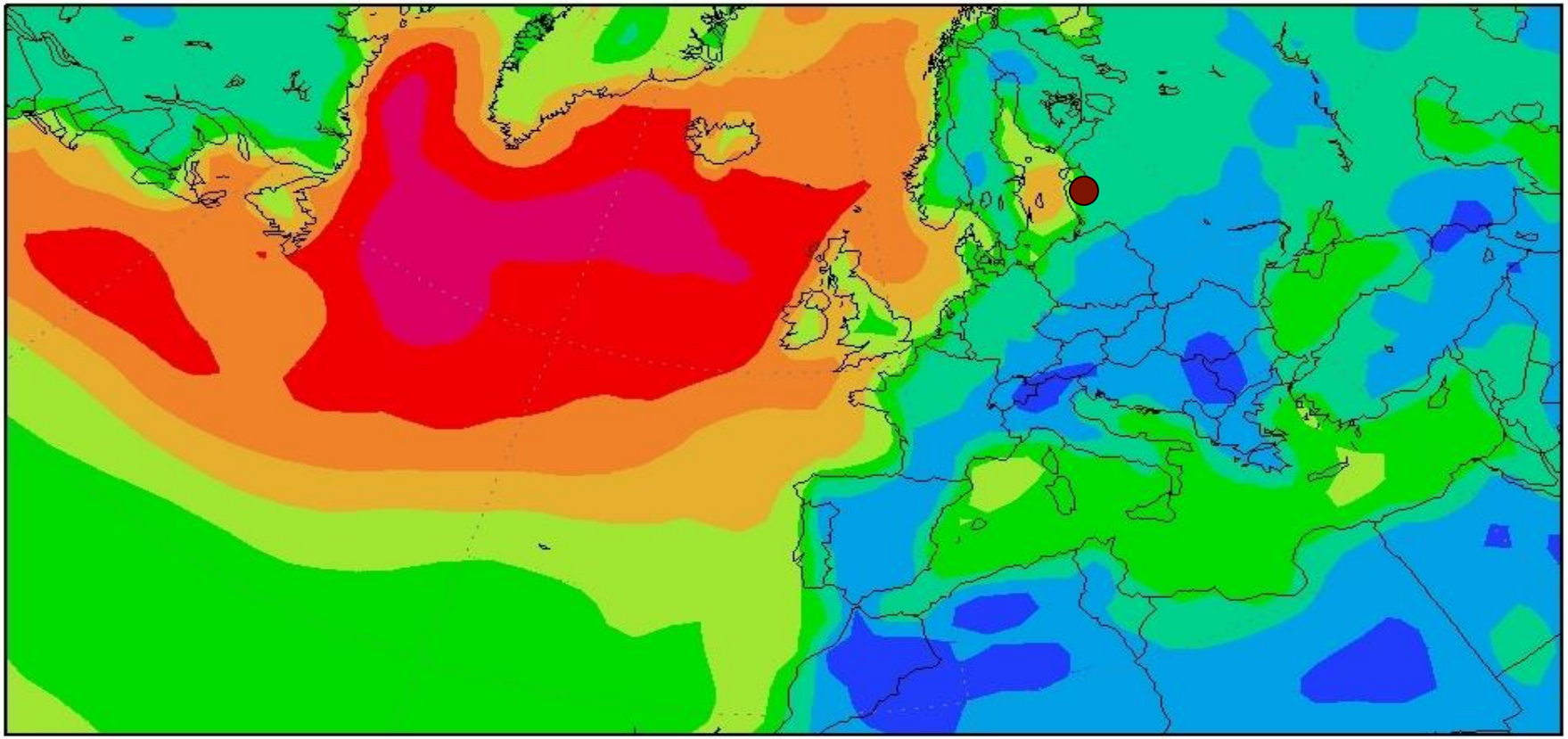
Uncertain outlook

Poor outlook

WindEurope assessment based on regulatory signals, turbine orders and investment trends

Offs

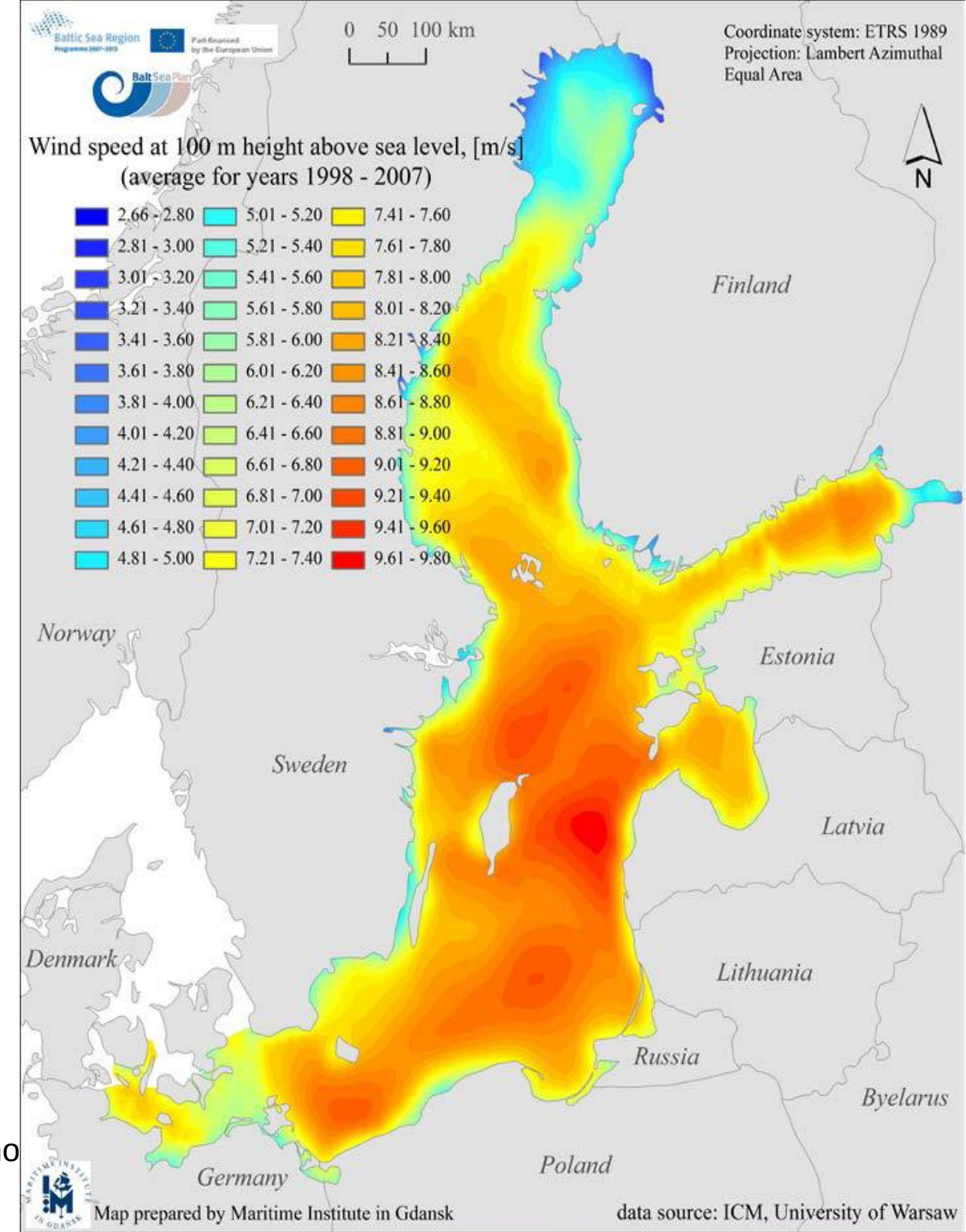
Mean Annual Wind Speeds in m/s



Reference NCEP Reanalysis

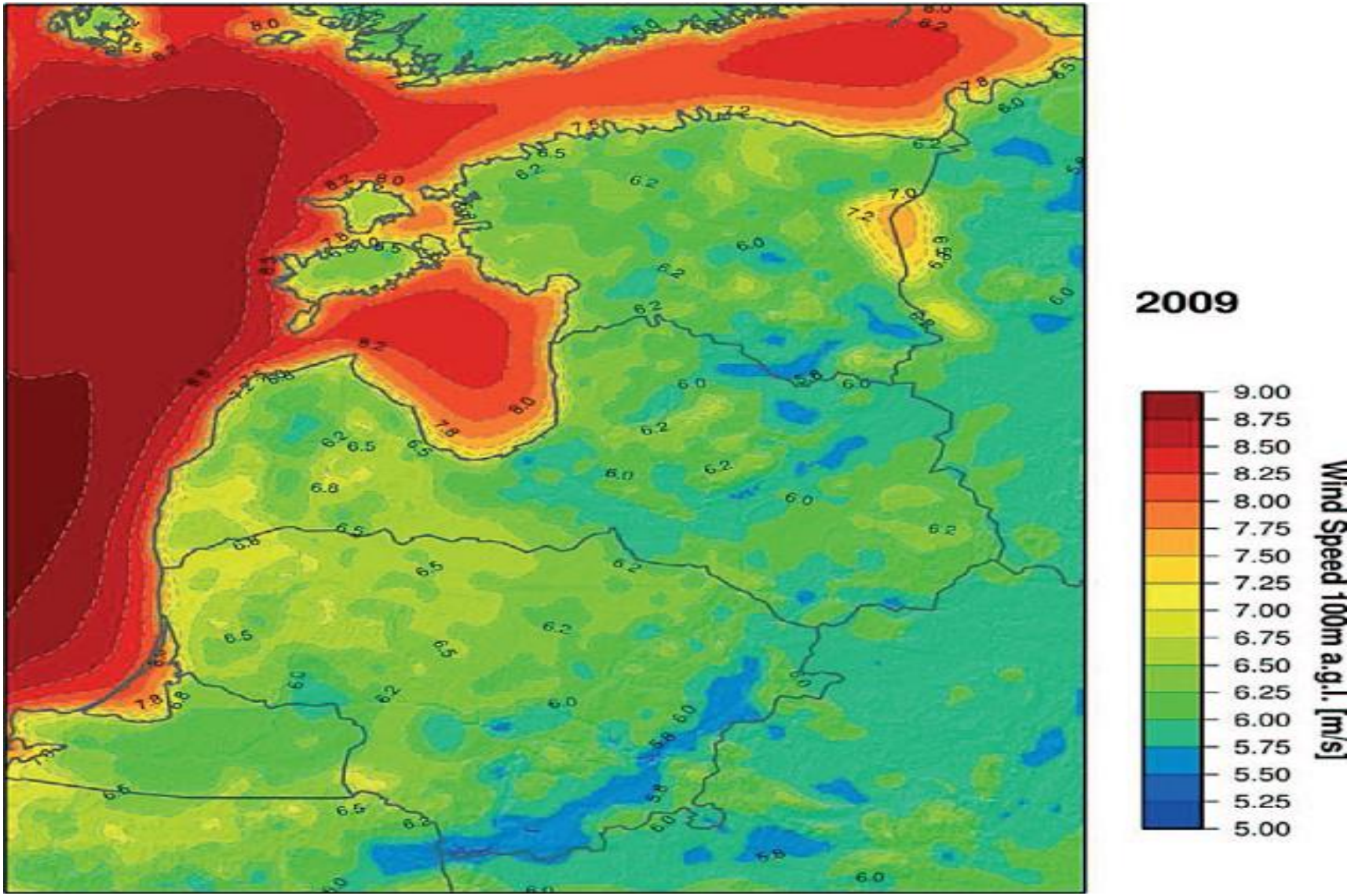
Offshore wind Riga May 2017

Baltic see wind speed

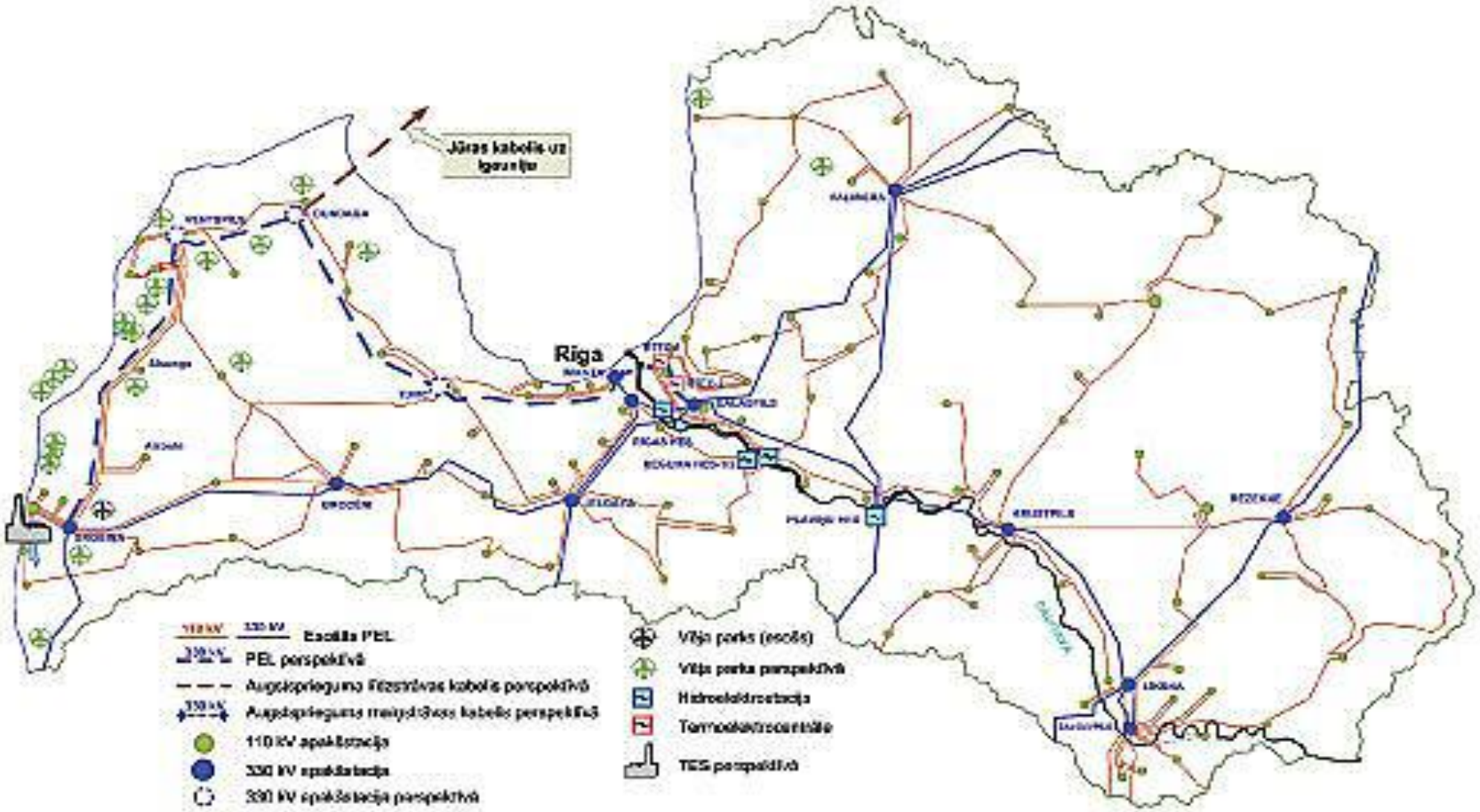


Offsho

Baltic states



HV power grid



Offshore wind Riga May 2017

Latvians are everywhere

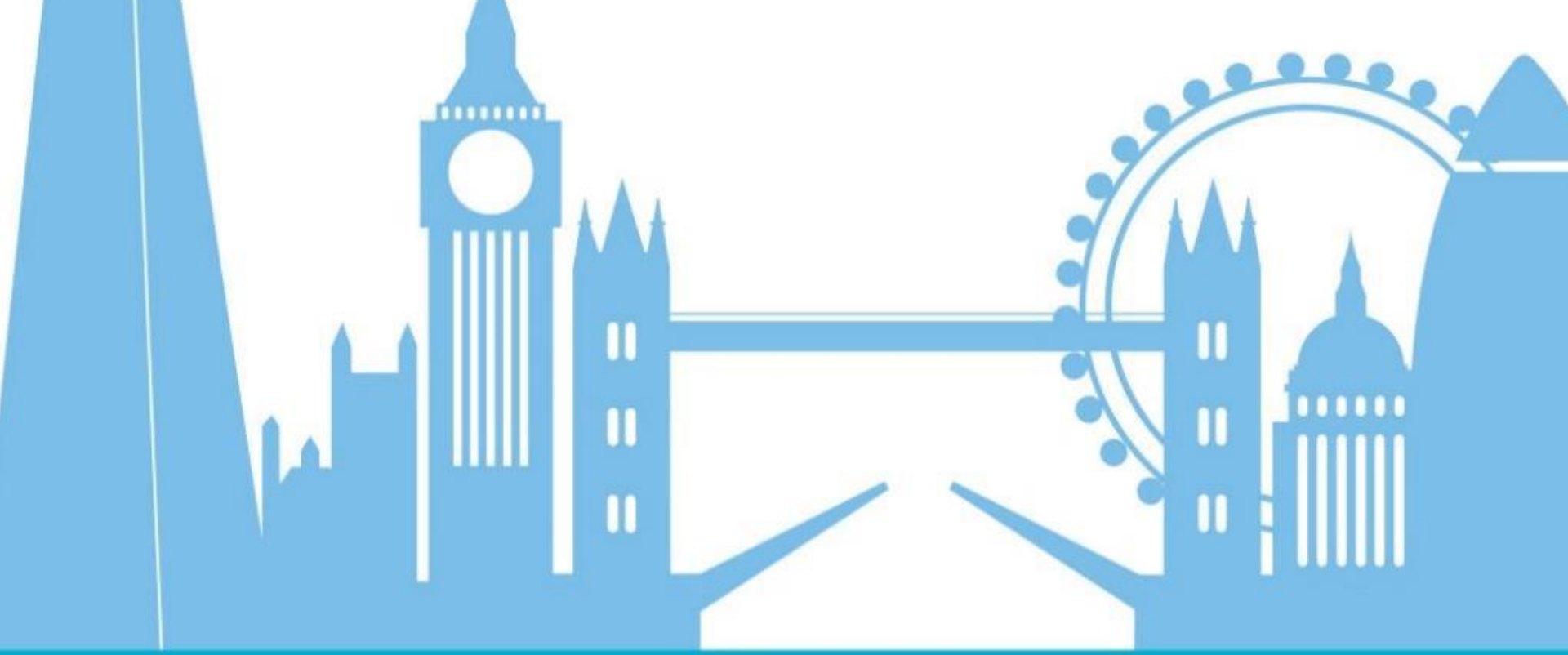
A photo of the jack-up vessel Seajacks Scylla installing one of the 67 Siemens 6MW turbines at the 402MW Veja Mate offshore wind farm using a 1,500mt Huisman Leg Encircling Crane.

Veja Mate is a EUR 1.9 billion offshore wind project owned by the Highland Group Holdings Ltd, Siemens Financial Services, and CI II, managed by Copenhagen Infrastructure Partners. The wind farm is expected to be fully operational by late 2017/early 2018

GLOBAL WIND DAY

15 JUNE

Offshore wind Riga May 2017



JOIN THE WORLD'S LARGEST
OFFSHORE WIND ENERGY GATHERING
offshorewind2017.com