

VISION – CHALLENGES - ROLES

CREATING THE FUTURE

ESIG - 2019 Fall Technical Workshop
October 28-30, Charlotte

Peter Jørgensen, VP Energinet Associated Activities, Denmark

GREEN TRANSITION

STATUS:

63% green electricity

energy

TARGET:

electricity

energy

70% reduction in emission of GHG compared to 1990

2050 TARGET:

100% green energy

Vision



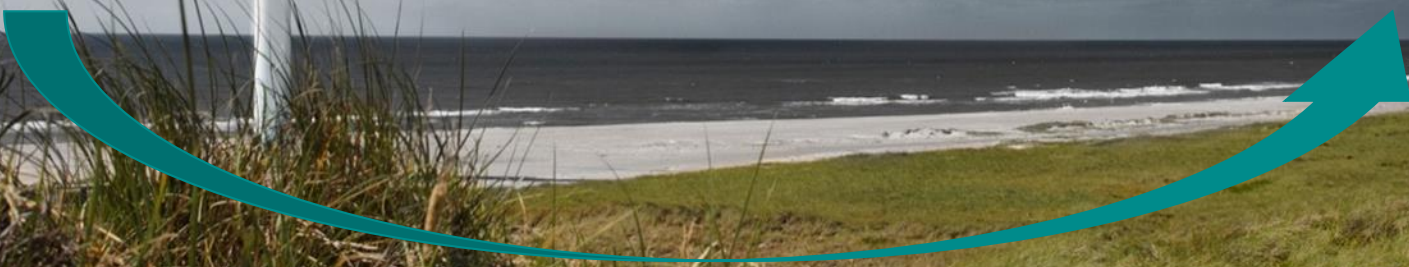
Targets



Plan

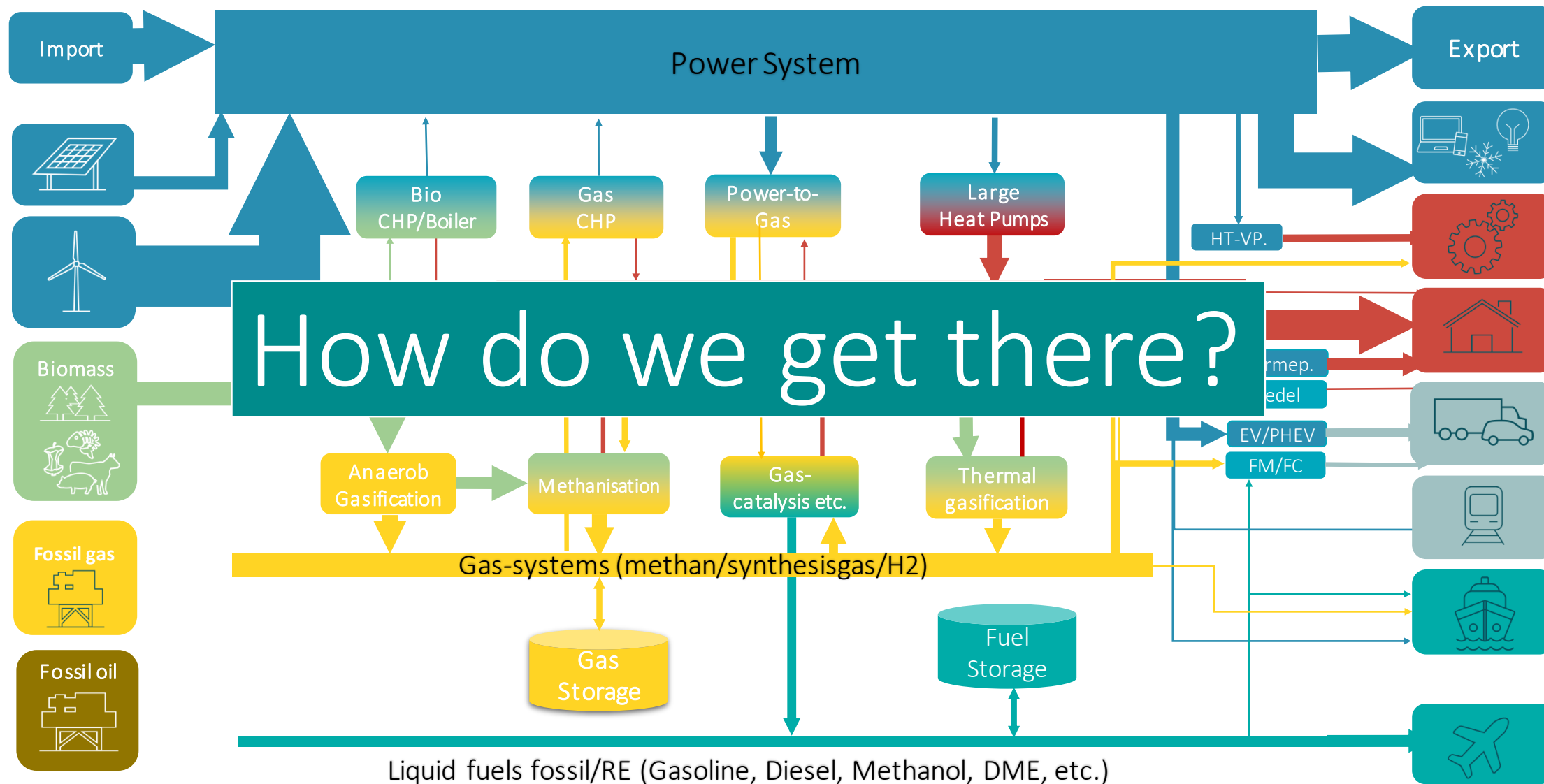


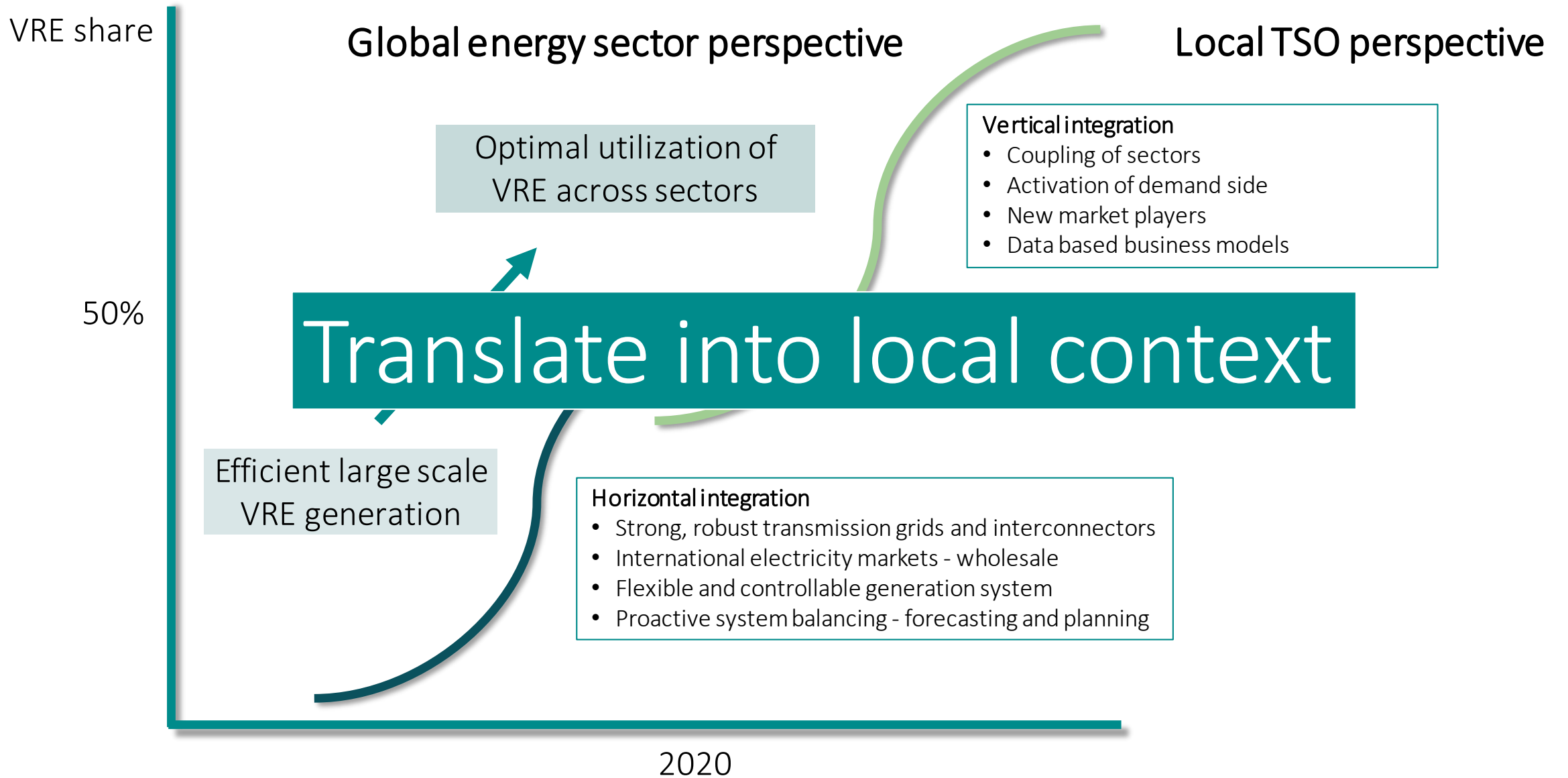
Steps & Roles



Challenges

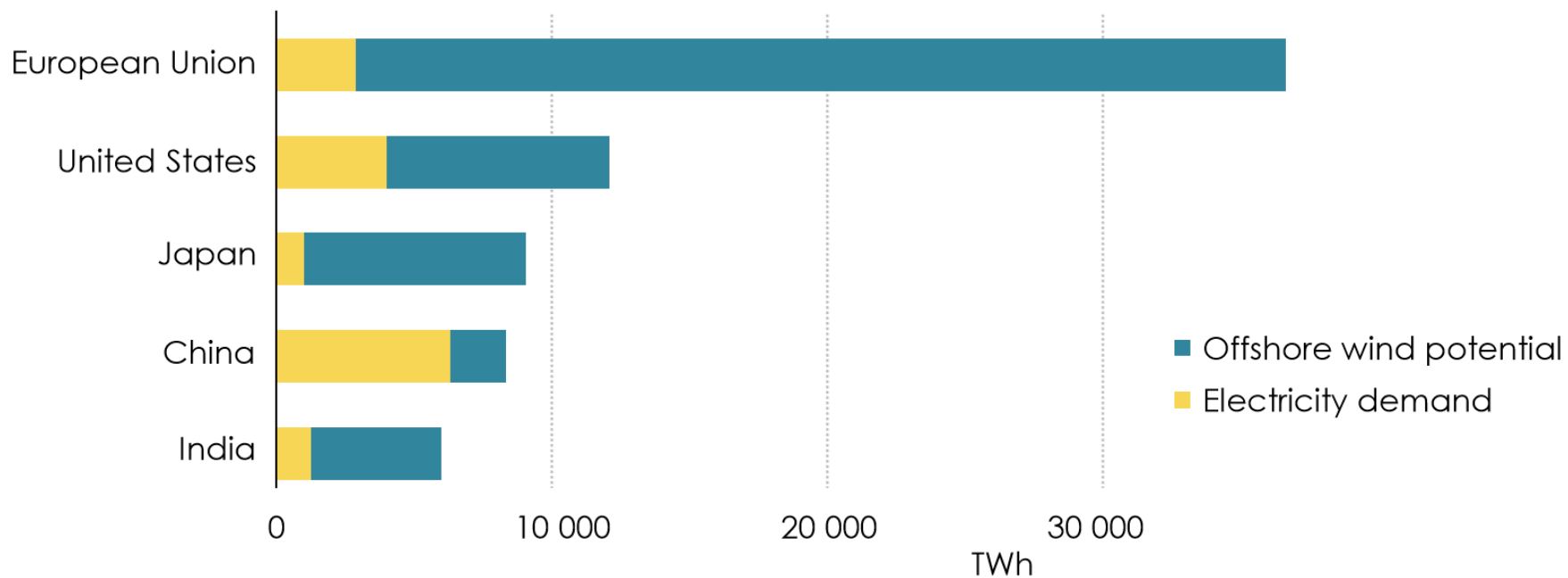
GLOBAL CLIMATE ACTION 2050 – SIMULATED ANNUAL ENERGY FLOW





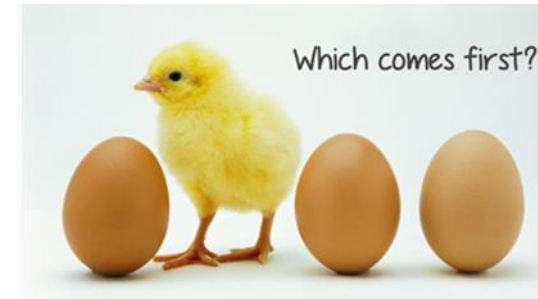
Offshore wind has huge untapped potential

Offshore wind technical potential and electricity demand in 2018

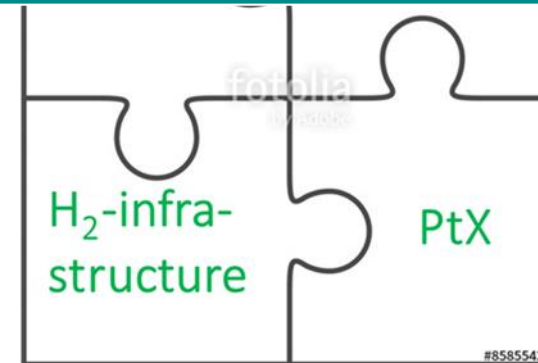


Based on the latest satellite data on wind speed and new turbine designs, offshore wind has vast potential. It is capable of generating more than 18-times global electricity demand today.

HUGE NORTH SEA WIND POWER RESOURCES - LANDING ZONES FOR INTEGRATION



Coordinated long-term process:
Government/authorities – TSOs – Commercial companies



ENERGINET'S INTERNATIONAL KNOWLEDGE SHARING

Large and small projects since 2010

