

The ENTSO-E RDI Roadmap 2020-2030 – European flagships for innovation



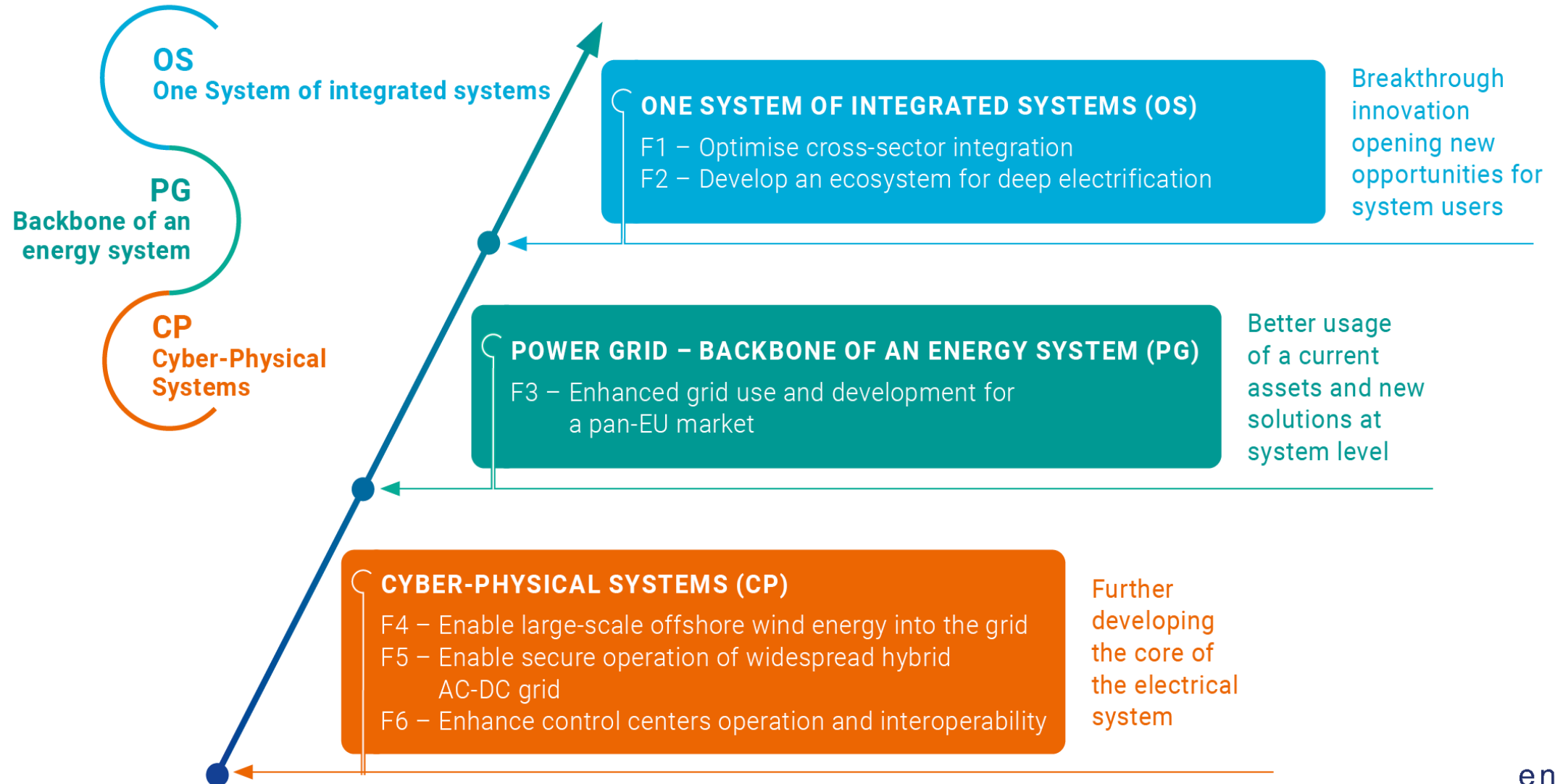
Hakon Borgen

Executive Vice President -
Technology & Development,
Statnett; Chair RDI Committee,
ENTSO-E

ENTSO-E Legal mandate: Research Plans



The ENTSO-E R&I Roadmap 2020-2030: towards a pan-EU energy system with no net emissions of greenhouse gases in 2050



How does ENTSO-E RDI strategy measure with the Green Deal?

EU Green Deal

Strategy on Smart Sector Integration
Strategy for sustainable and smart mobility

Common European energy data space
TEN-E Revision
Legislation on batteries
Offshore Renewable Energy strategy

CEP implementation
(IA on data interoperability & DSR)

ENTSO-E RDI Strategy 2020-2030: 3 Priority Areas and 6 European Flagships

One System of Integrated Systems

- Optimised cross sector integration
- Ecosystem for deep electrification

Power Grid: backbone of energy system

- Enhanced grid use and development for pan EU market

Cyber Physical System:

- Enable large scale offshore wind energy into the grid
- Enable secure operation of widespread hybrid AC-DC systems
- Enhance future control centres operation, interoperability and cybersecurity

Priority areas/clusters and Flagships example

2020 -----> 2025 -----> 2030

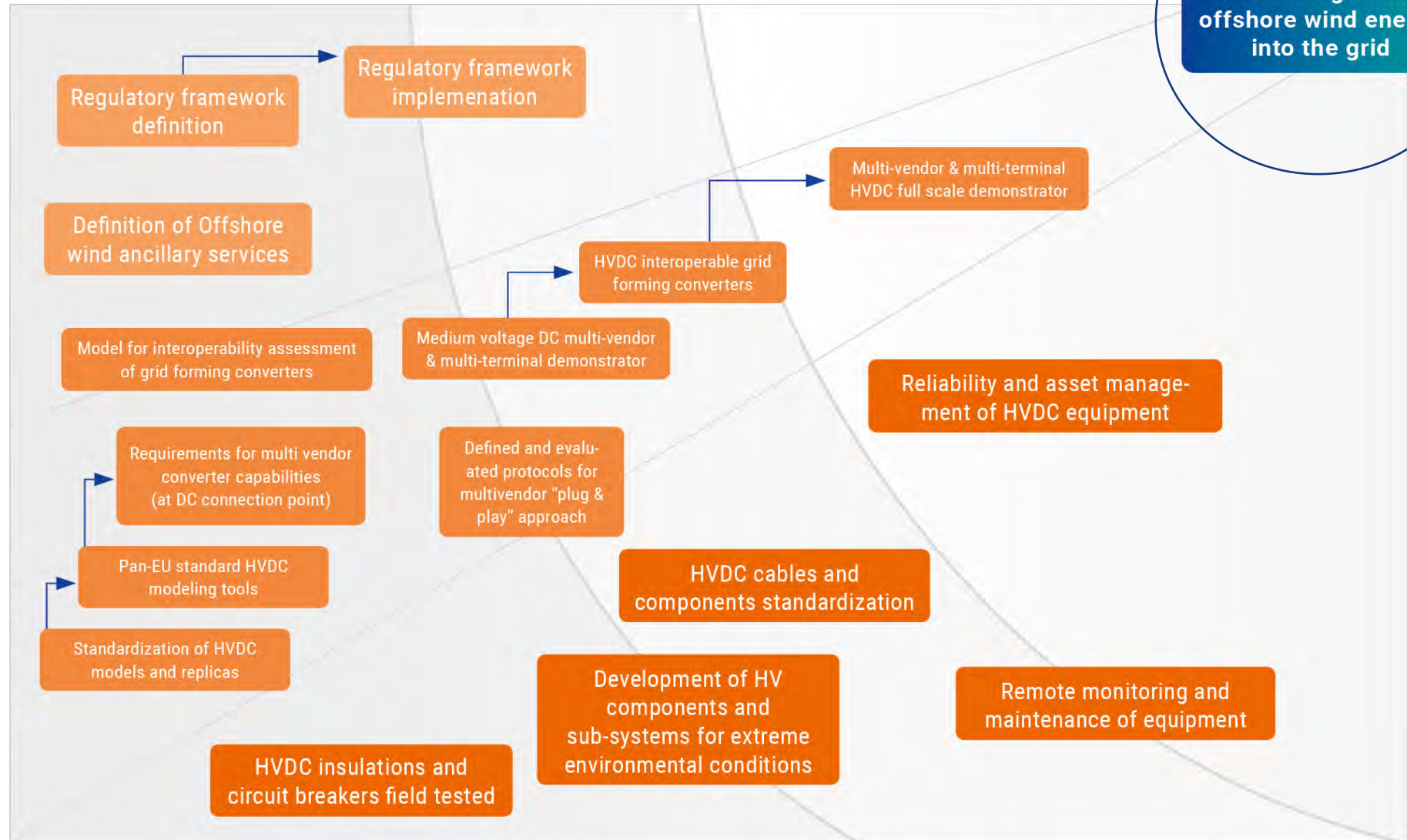
FLAGSHIP 4

Enable large scale offshore wind energy into the grid

Cyber Physical System

REGULATORY GUIDELINES

HW AND SW SOLUTIONS FOR DC GRIDS/SYSTEMS



HVDC TECHNOLOGIES AND MATERIALS

Next steps for Roadmap and Implementation

ENTSO-E
RDI Roadmap 2020–2030

The RDI Roadmap 2030-2030 is out for public consultation now
-> Go to **ENTSO-E Consultation Hub** - consultations.entsoe.eu - and give us your opinion

Public Consultation of the Roadmap - closes 10th August

Webinar to Deep-dive into the Roadmap - 2nd July

Start Implementation Plan

TSOs commitment

Stakeholder involvement

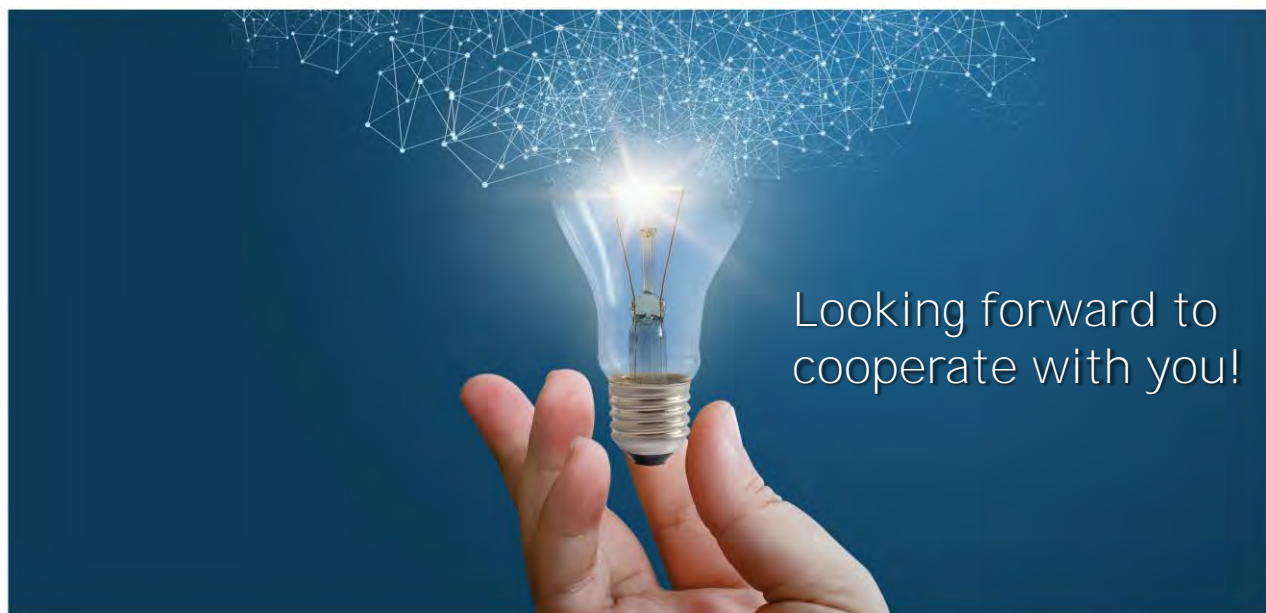
Connect to financing schemes

Horizon Europe & CEF

WEBINAR - ENTSO-E RDI Roadmap 2020-2030

TSO innovation for a climate-neutral European energy system

2 July – 11.00-13.00 (CEST)



Looking forward to
cooperate with you!

Register now! bit.ly/RDIWebinar

