

Launch of the Dutch National Doctoral College
in Offshore Renewable Energy and the
PhD@Sea Initiative

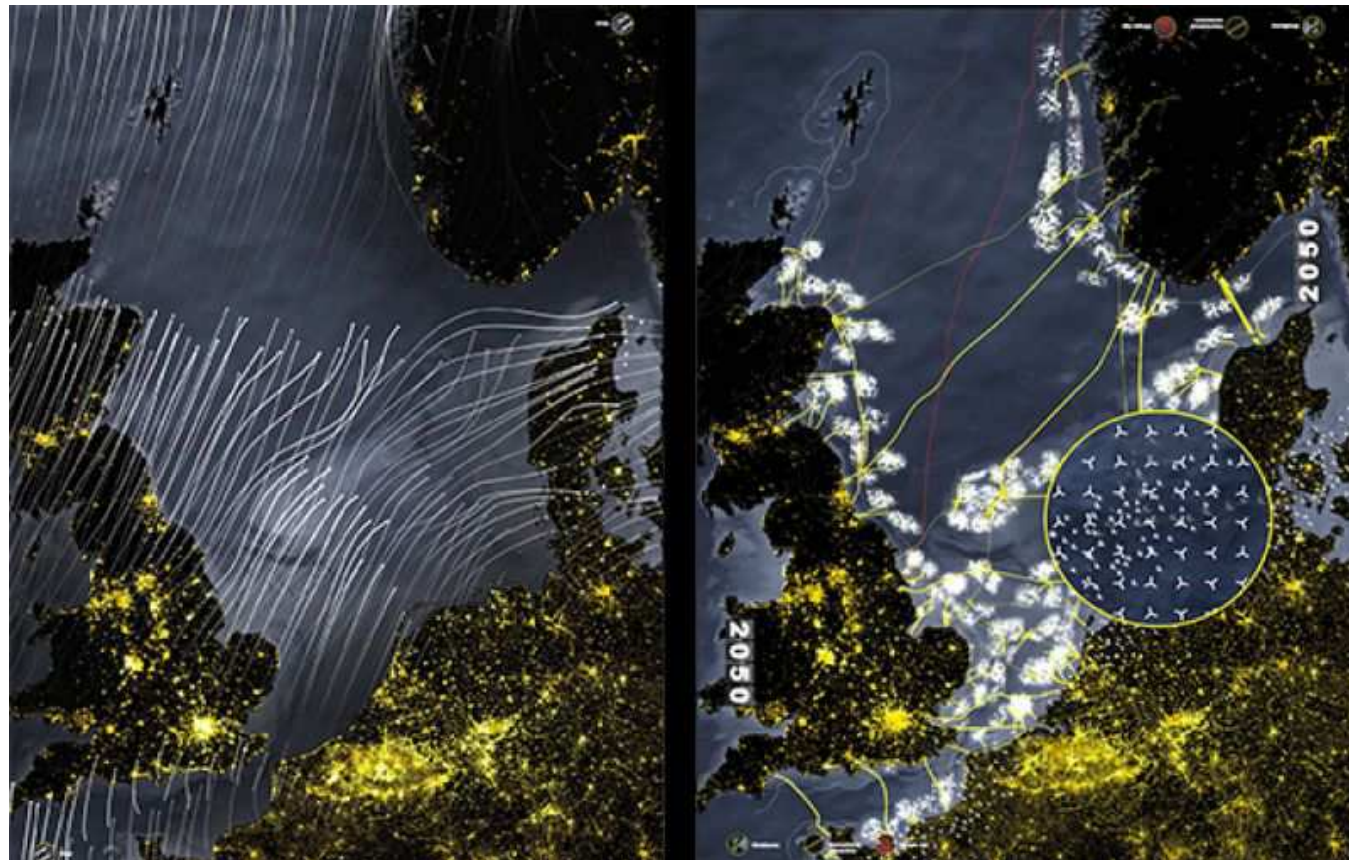
Simon Watson
Director of DUWIND

2nd March 2018

Overview

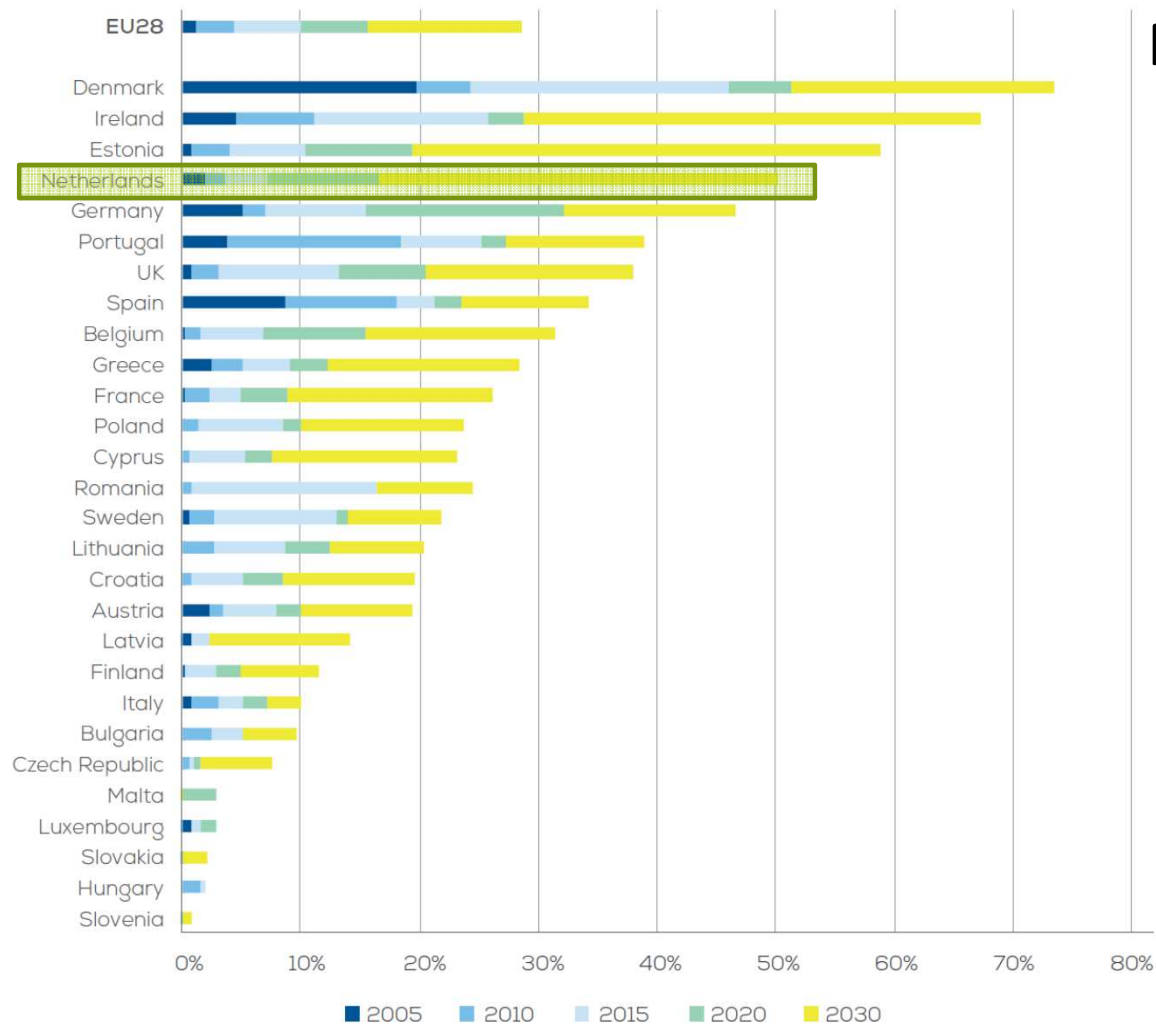
- Context
- Rationale
- Framework
- Ambition

Aspirations for Offshore Wind Energy

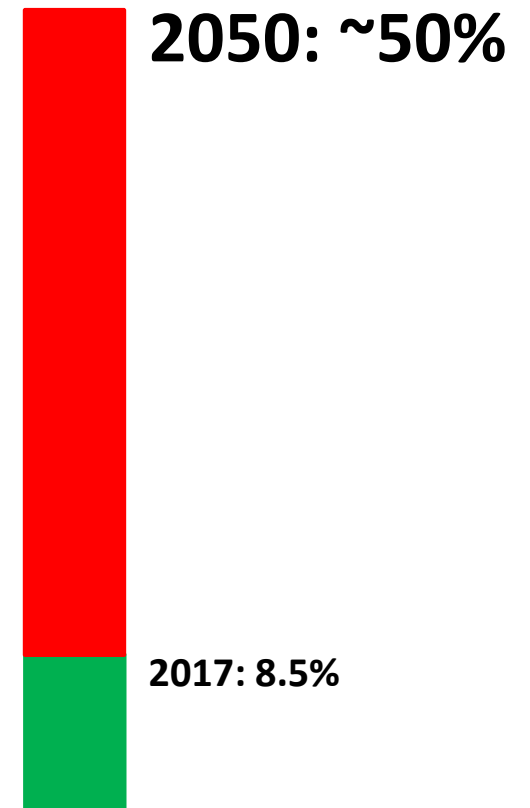


source: 2050 - An Energetic Odyssey

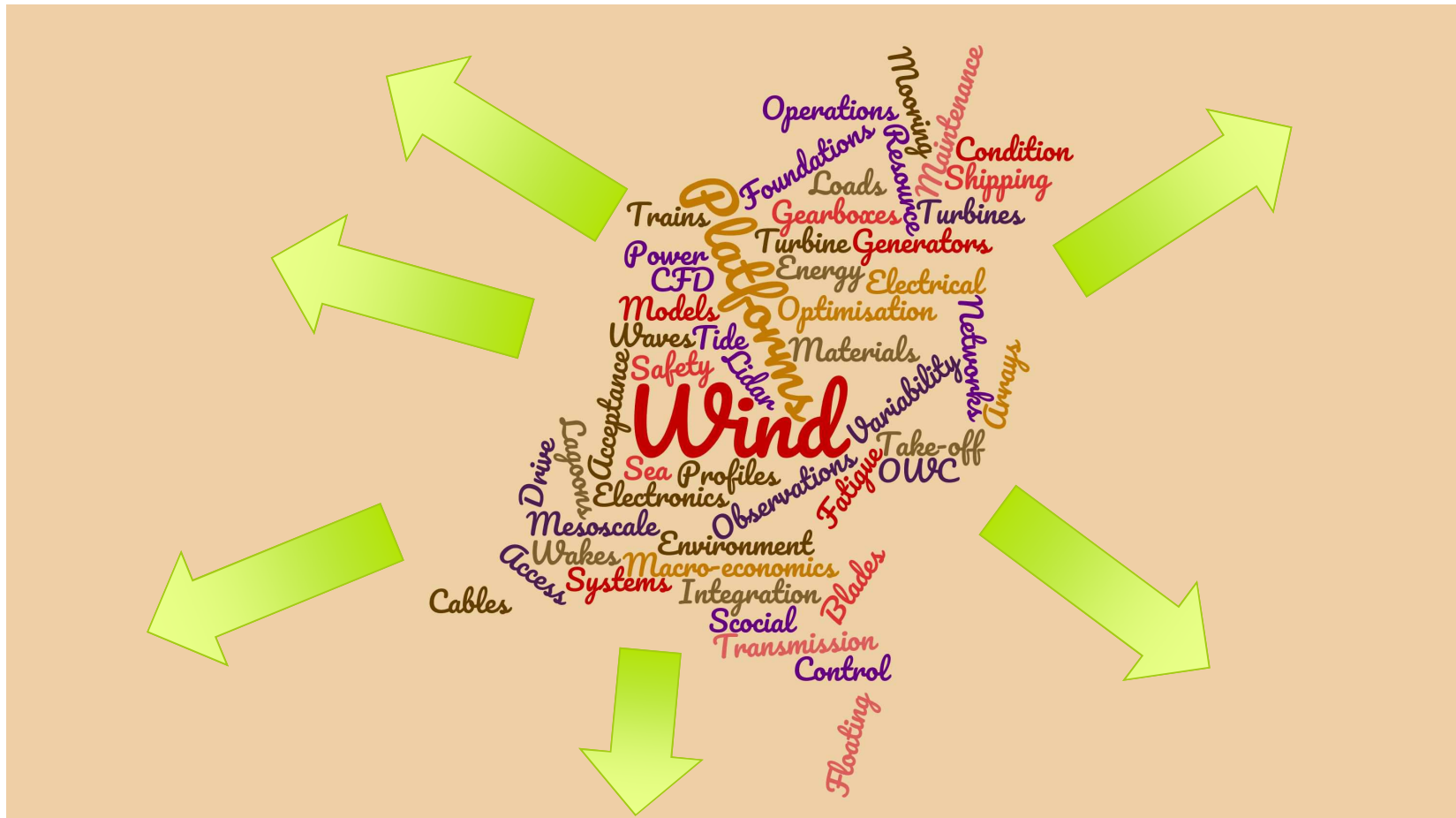
Targets for Wind Energy - WindEurope



NL Wind Electricity



Knowledge – Collaboration and Dissemination



People – Working Together

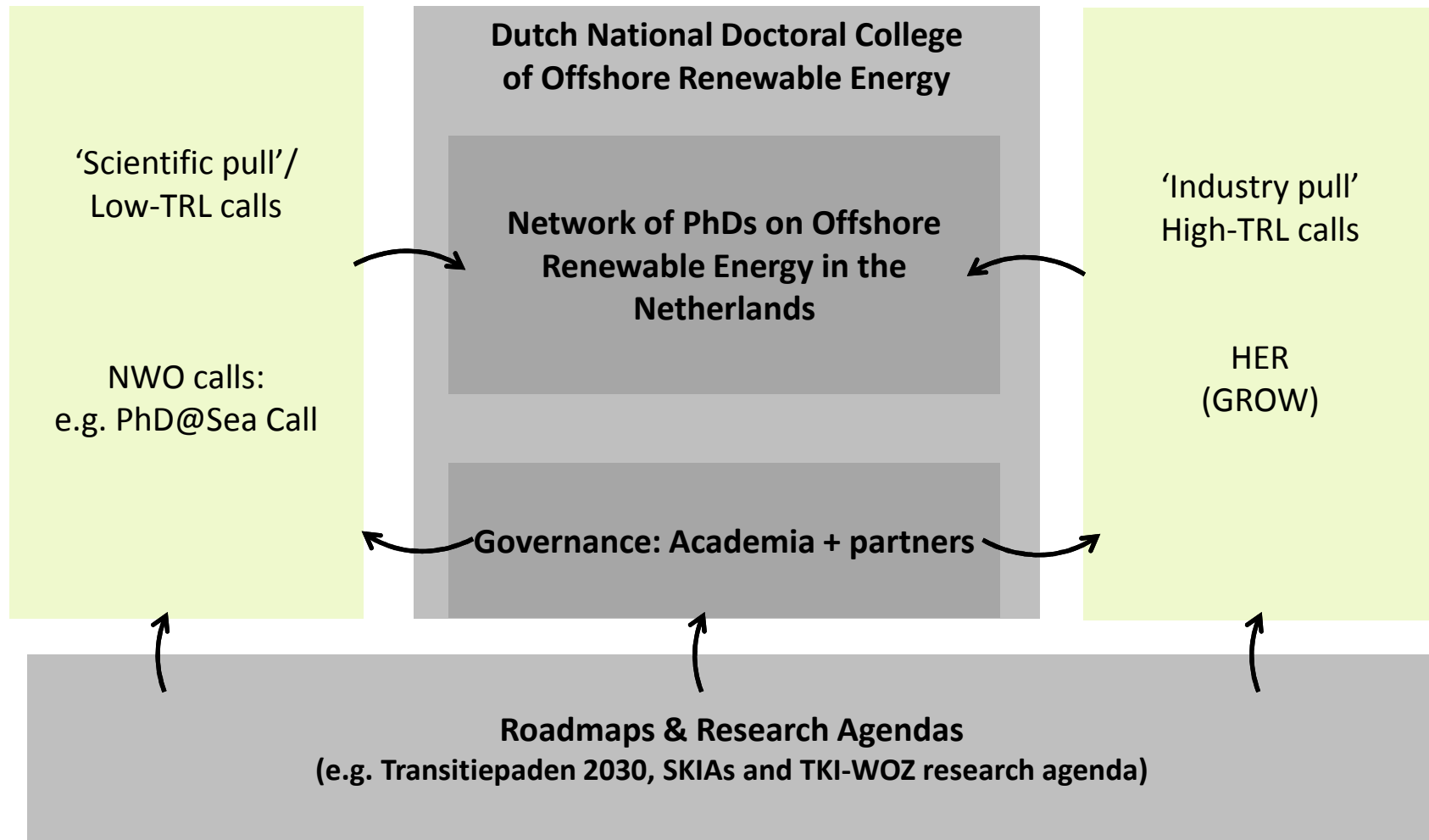


Courtesy: EAWE

Providing a Framework

- The Dutch National Doctoral College in Offshore Renewable Energy
- Develop and promote a network of outstanding researchers in the field of offshore renewables
- Develop a low-TRL research agenda on offshore renewable energy that is supported by the Dutch Academic community
- Initiate joint research projects in the field of offshore renewables

PhD@Sea Initiative



PhD@Sea is:

- A national research initiative on offshore renewable energy incorporating a National Doctoral College in Offshore Renewable Energy
- A governance structure supporting the Doctoral College involving academia and supporting partners which will develop a new low-TRL agenda

National Doctoral College in Offshore Renewable Energy

- Draws on best practice elsewhere, e.g. EU-funded Marie Curie Innovative Training Networks (ITNs)
- The function of this DC is
 - to bring together and coordinate research in offshore renewable energy (primarily offshore wind);
 - to enhance the value of fundamental offshore renewable energy research nationally through sharing of knowledge and resources;
 - to promote collegiality between PhD candidates in different institutes and provide a network during and after their research.

Activities

- Networking
- Shared training
- Broadening choice of courses
- Soft and transferable skills
- Workshops
- Hackathons
- Industry workshops
- Secondments
- Conferences

Our Ambitions

- Organisation of new PhD projects:
 - Aiming to start at least 30 PhDs per year
 - Requires commitment of government, academia and private partners
- Review existing roadmaps, e.g.
 - ‘Long Term Research Challenges in Wind Energy’ by the EAWE
 - National Roadmaps: TKI WOZ research agenda
 - DUWIND research program
- Develop and maintain a joint low-TRL research agenda with Academia (and partners)

Activities for 2018

- Undertake review of all existing PhD research on offshore renewables nationally
- Joint workshop involving Academia and partners
 - Agree Terms of Reference for DC
 - Establish draft plan of activities for next 5 years
 - Set up working group to determine strategic PhD research priorities for next 5 years
 - Announce national PhD conference on offshore renewable energy

Stakeholders Thus Far





WU
PhD@Sea

