

IEA TCP Wind Webinar – Energy Hubs

Karina Remler, EUDP
Esbjerg 29-11-2022

EUDP

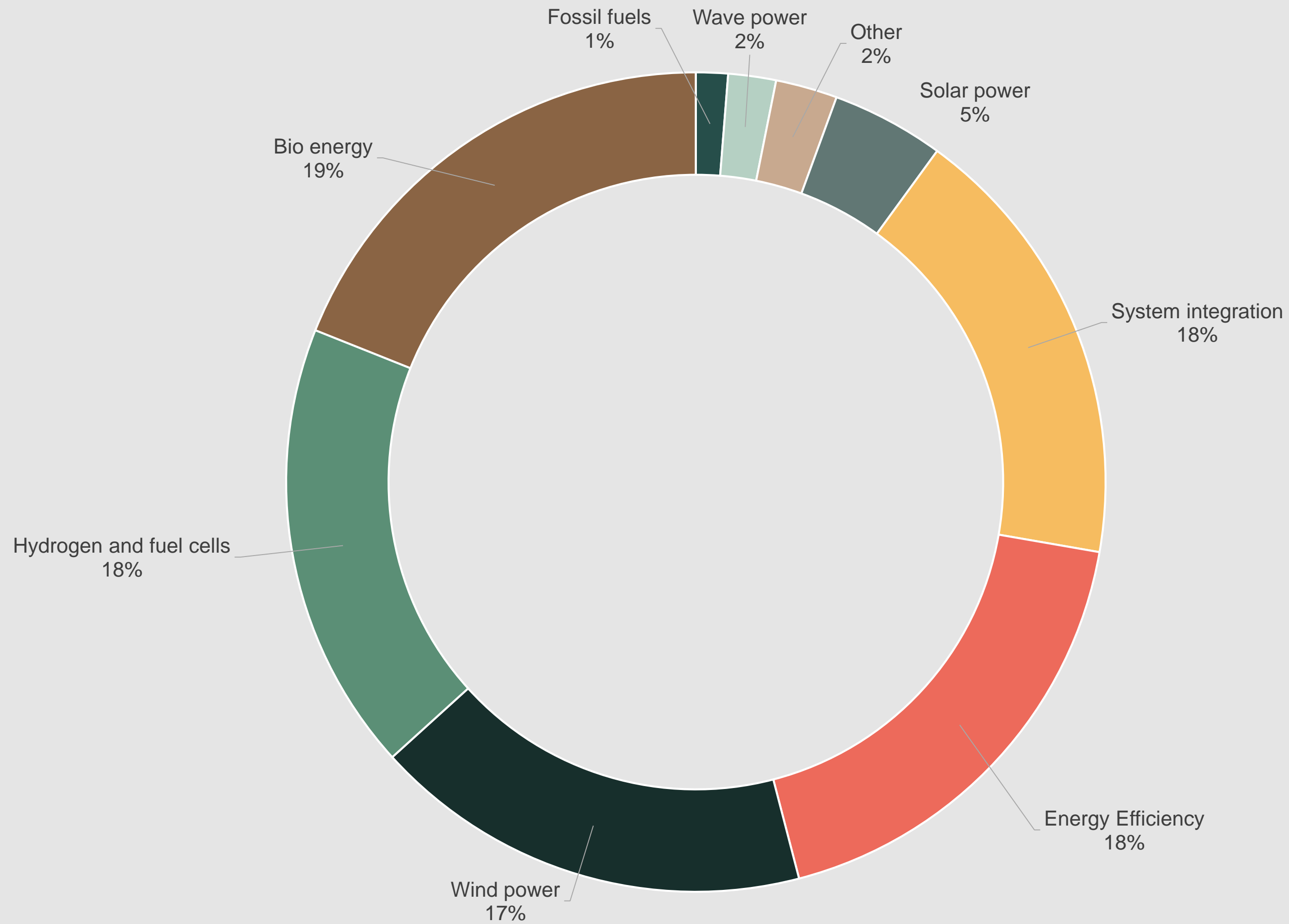
- EUDP funds development and demonstration of novel energy technologies since 2007

Promotes

- Security of supply
- Independence of fossil fuels
- Climate and cleaner environment
- Cost efficiency
- Advance Danish trade potentials
- Private-public collaboration

- ~DKK 500 million annual funding – the grant is dependent on the National Budget
- Has funded around 1500 projects with DKK 5,9 billion – the self-financing by the project participants is similar
- Application success rate at EUDP is at ~1/3 in the period 2018-2021 (excl. IEA)

EUDP funding 2007-2021



Types of Projects



North Sea Energy Hub Feasibility Study

- A pre-study of the feasibility and business potential of a North Sea Wind Power Hub.
- The purpose was to evaluate different technical challenges and potential solutions, as well as identify the needs of technology innovations.
- The project led to the identifications of concrete technological gaps.

EUDP grant: 1.39 mio. kr.

Project budget: 2.18 mio. kr.

Responsible: DTU

Partners: Energinet, Dansk Industri

Period: 2019-2020

Offshore Energy Hubs

Purpose

To develop technical solutions that addressing several aspects related to offshore energy islands:

- a) Solutions enhancing operational stability and thereby security of the energy supply
- b) Improving cost-efficiency in the design of wind power plants and
- c) hub-optimized offshore Power-to-X

EUDP grant: 27,0 mio. kr.

Project budget: 39,0 mio. kr.

Responsible: DTU Wind

Partners: PowerlabDK, AAU Energi, Siemens-Gamesa Renewable Energy, Green Hydrogen Systems, SuperGrid Institute, Cenergy Holdings, Energy Cluster Denmark, Energinet, Ørsted Wind Power

Period: 2022-2026

IEA

- Denmark participates in the International Energy Agency (IEA) Energy Technology Network, which includes a number of technology or theme-specific agreements; technology collaboration programmes (TCPs)
- Within these agreements, experts from research institutions and industry from different countries collaborate to exchange information, share results, and to carry out specific analyses and elucidation work in reports and publications.
- EUDP supports IEA TCP Wind
 - Member of the Executive Committee
 - Financial support to Danish experts in operation of and participation in Tasks
 - DK member of 15 tasks, of which DK is operating agent of 8 tasks

Thank you



Karina Remler

kare@ens.dk

+45 33 92 66 32

<https://EUDP.dk/>