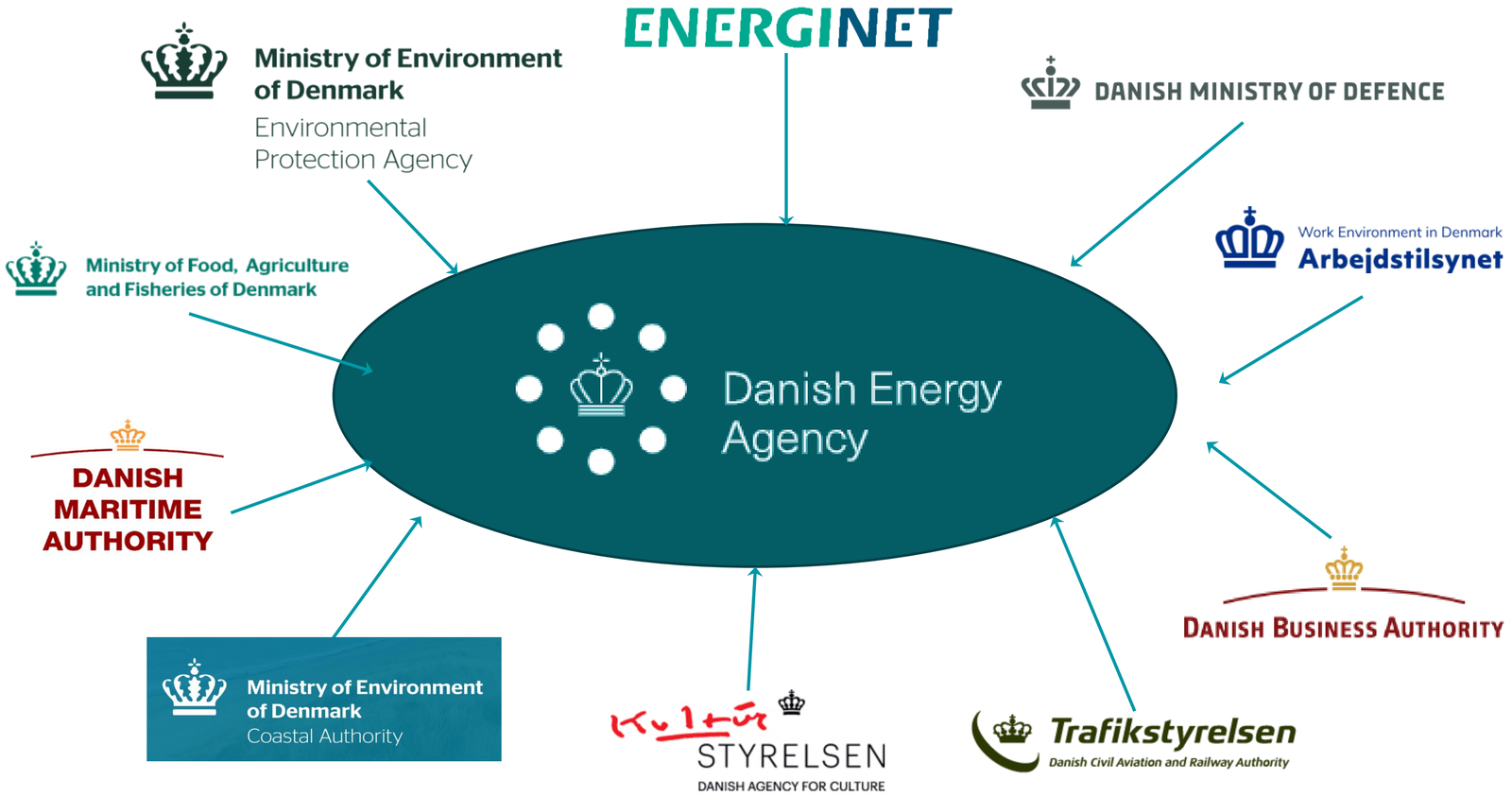
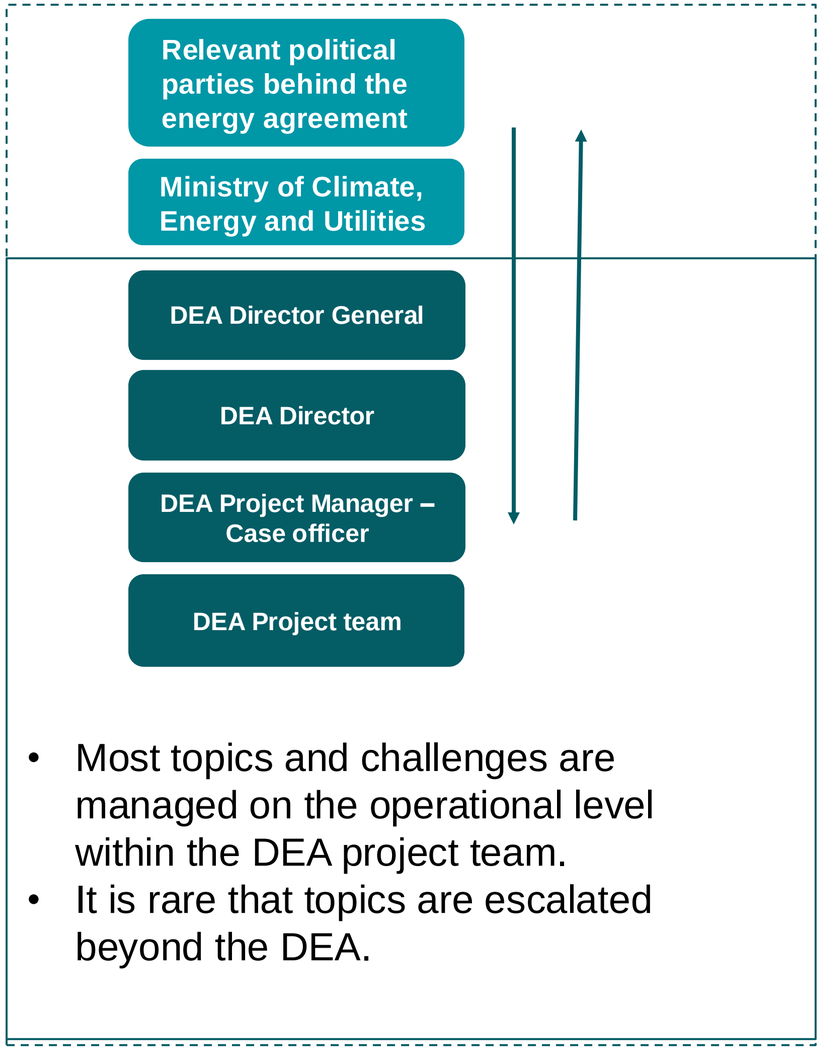
Energistyrelsen

Danish Energy Agency

Tobias Grindsted
Environmental Team Lead
Offshore Wind Office

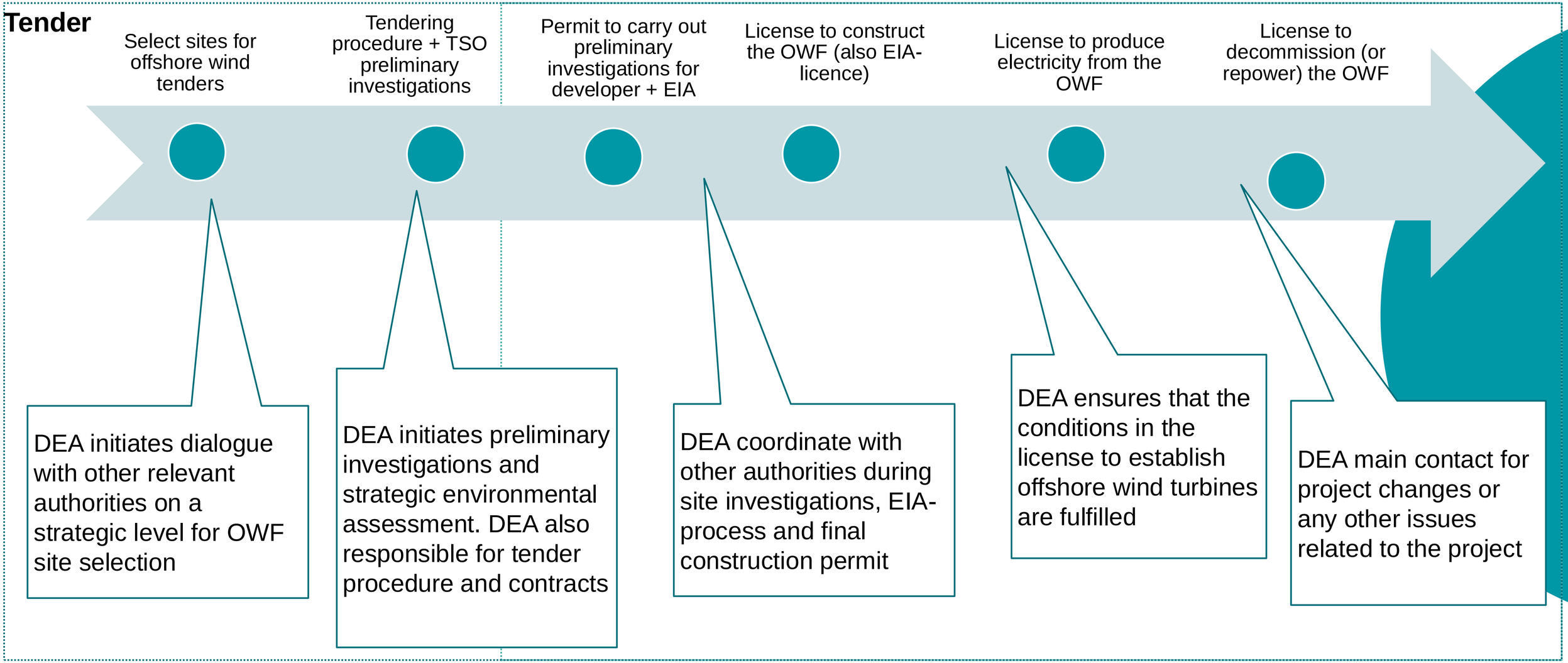
DEA AS "ONE STOP SHOP"





- Most topics and challenges are managed on the operational level within the DEA project team.
- It is rare that topics are escalated beyond the DEA.

Example of one stop shop-approach



OFFSHORE WIND DEVELOPMENT STATUS – DK

- 6 GW (min.) being tendered right now (orange areas) – bid deadline for North Sea parks in Dec. 2024 and Apr. 2025 for Inner Danish Waters and Baltic Sea

- Open door-scheme has been closed – applications that had not received pre-investigation licence have been rejected

MINIMUM REQUIREMENTS FOR 6 GW TENDER

- **Nature inclusive design (two parks: 1 in North Sea and 1 in Kattegat)**
- Aim to provide positive effects on local marine pressure factors
- Developer chooses solution based on pressure catalogue from DEA

- **Environmental impact monitoring**
- Requirement to monitor impacts on birds, marine mammals, seabed, hydrographical changes etc.
- DEA develops a list of monitoring tasks and technical guidelines
- All data and results will be made public

- **Sustainability**
- Requirement of LCA for project
- Requirement for recyclability of turbine blades

SENSITIVITY MAPPING AND OW POTENTIAL

In December 2021 the Danish Ministry of Climate, Energy and Utilities was allocated 63 mill. D.Kr. (approx. 8,4 mill. EUR) from 2022-2025 to conduct a screening and sensitivity mapping of the entire Danish sea area – 105.000 km^2.

Tender won by NIRAS with Aarhus University and DTU Wind as project partners. A strong team with a mix of consultants and top scientists within wind resource modelling and marine environment.

Project consist of four parts:

Sensitivity mapping of main environmental parameters affected by and affecting large scale offshore wind development

Assessment of offshore wind potential based on the sensitivity mapping and relevant technical parameters

Assessment of cumulative impacts from large scale offshore wind – including effects from offshore wind developing in neighbouring countries

Assessment of barriers and potential for co-existence between offshore wind and other relevant interests outlining challenges and possible solutions