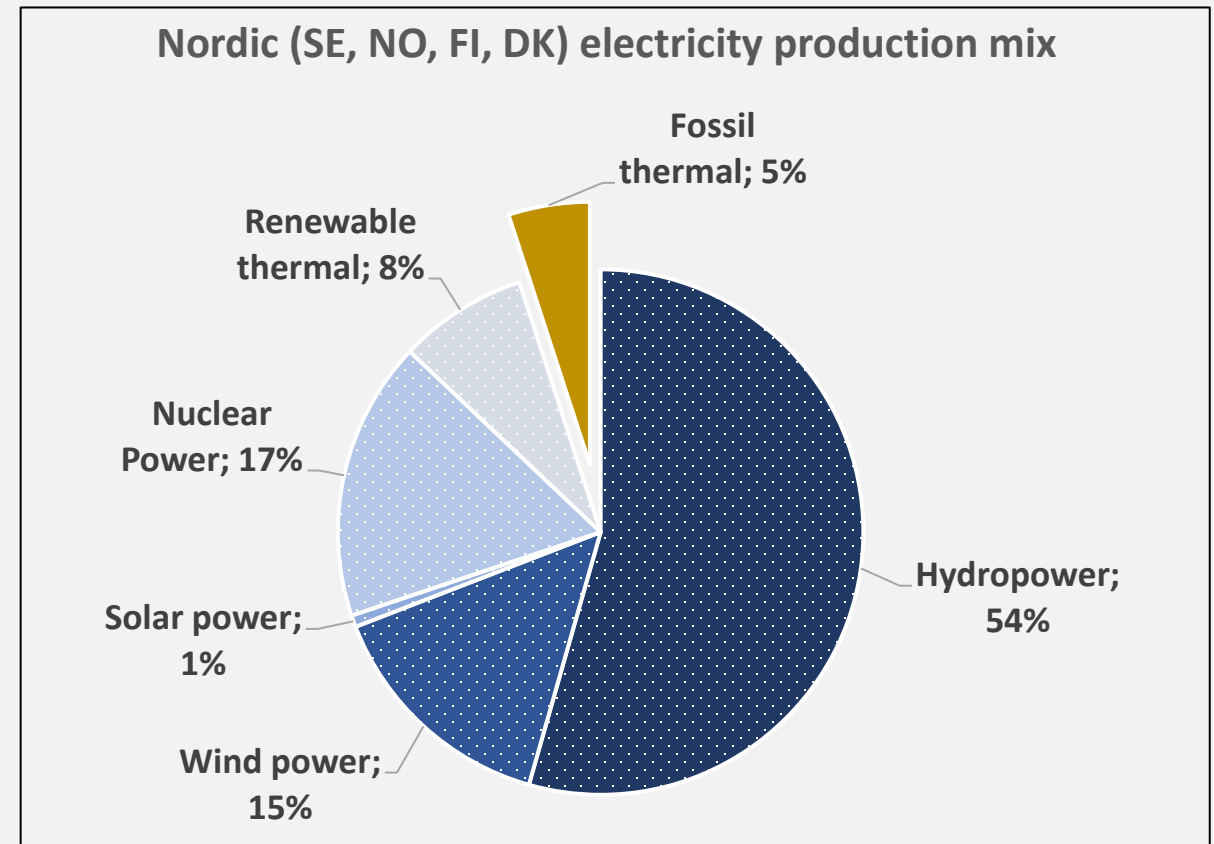
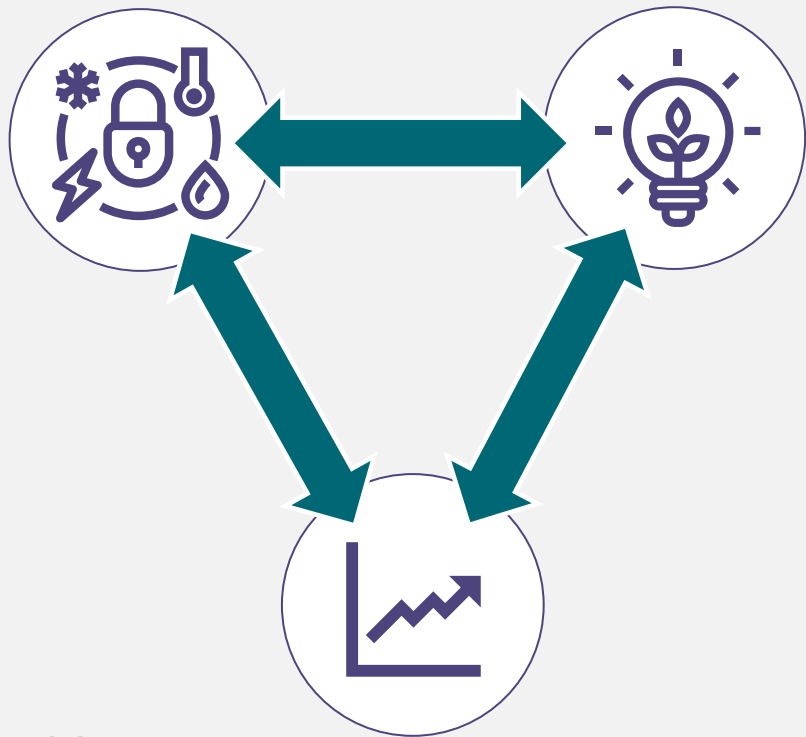


Electrification – expanding the power system

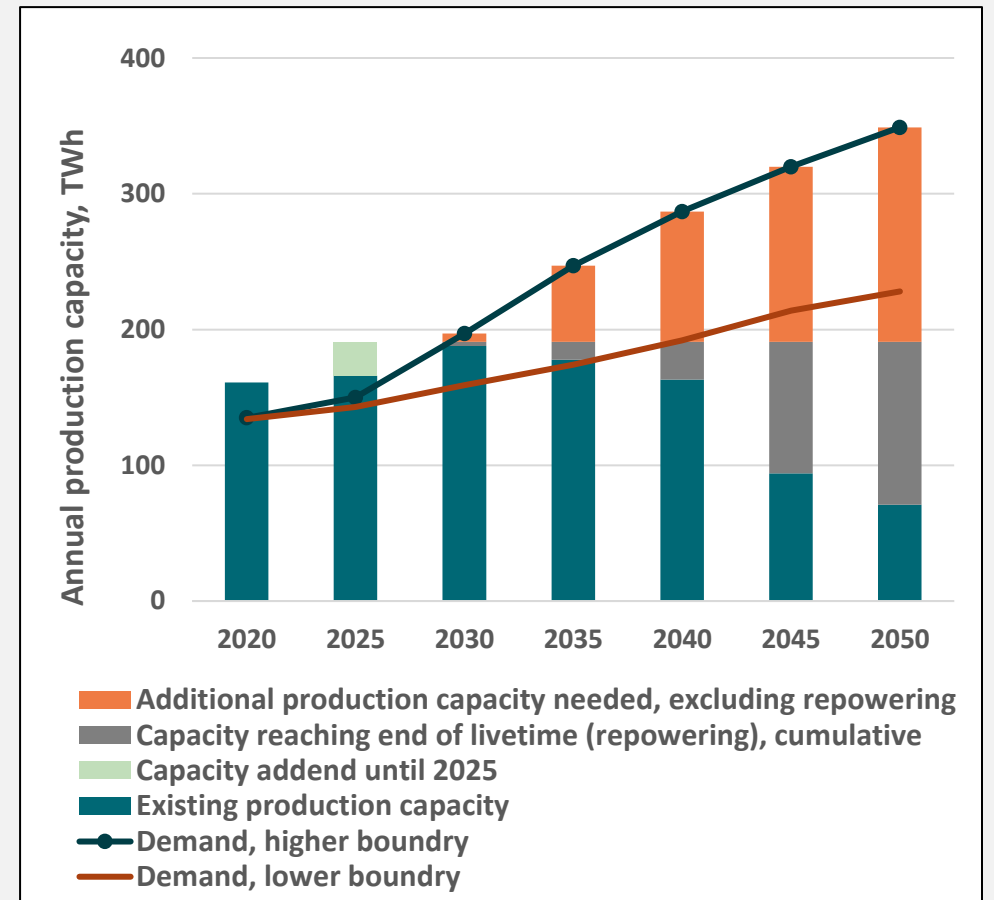
Caroline Asserup – Swedish Energy Agency

Nordic power market and system – probably the best in the world



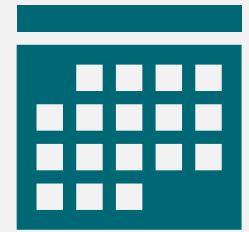
Electrification – twice the size

- Promising starting point, but challenges lie ahead.
- Even with a moderate increase in demand, large volumes of new electricity production are required.

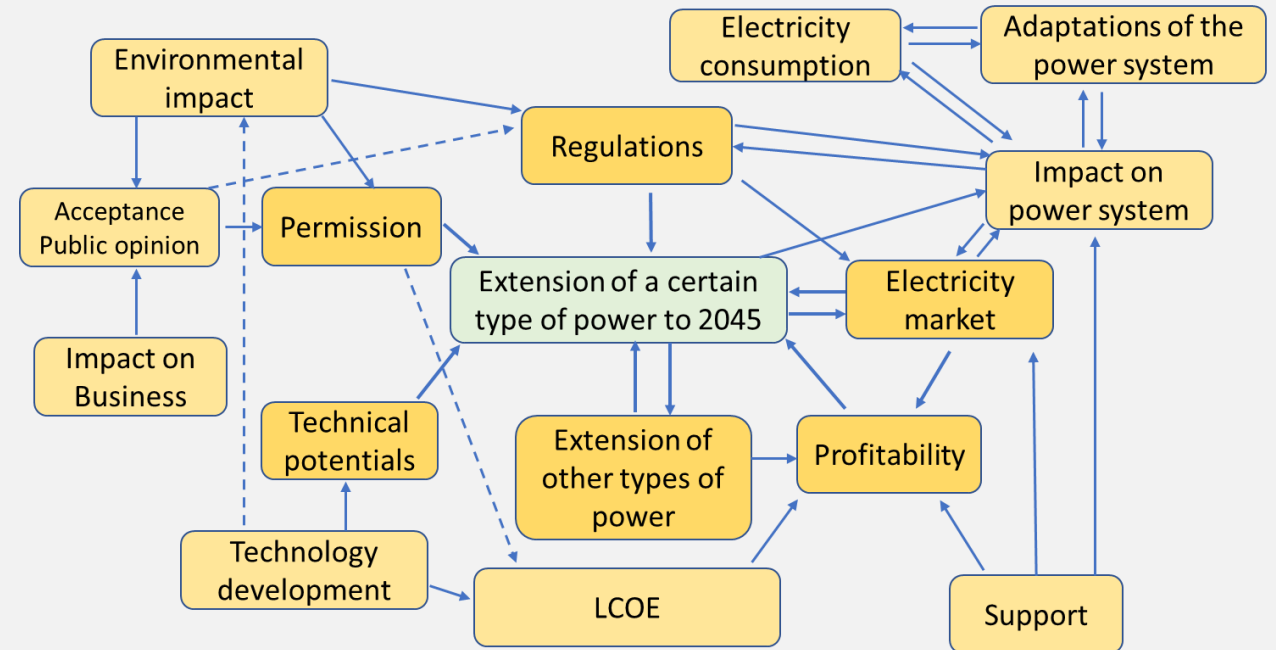
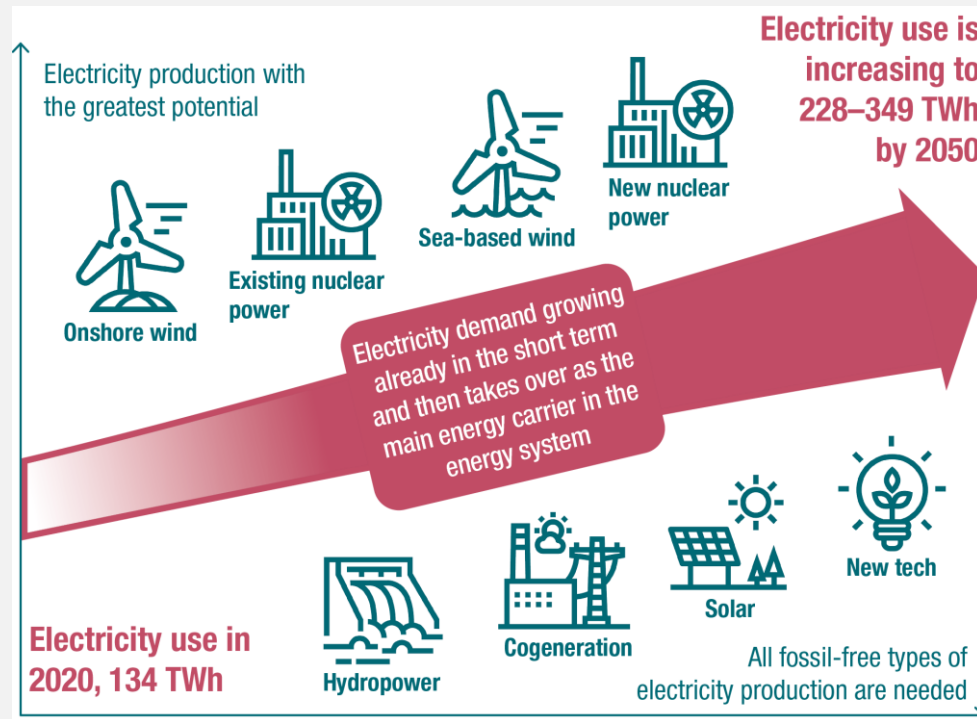


Quicker permitting and beyond

- Long permitting timeframes complicate a fast transition.
- Faster permitting: "Processing times of regulatory authorities should be halved."
- But - Increased permitting (of RES), especially faster permitting processes often implies prioritization.

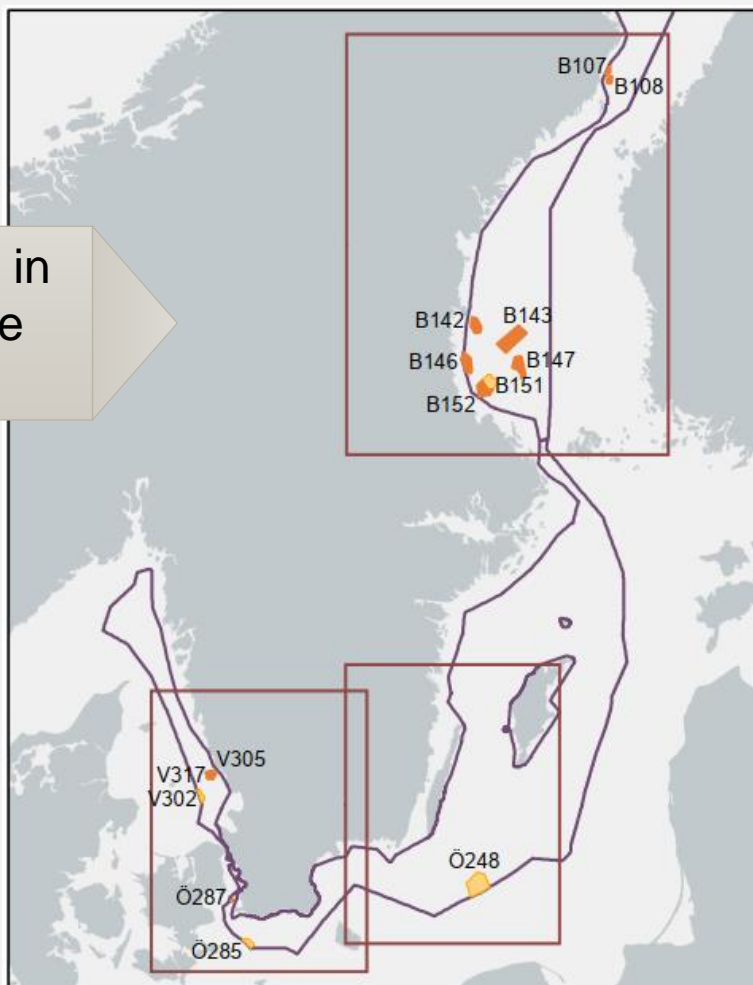


Analyzing different pathways for new and existing electricity generation

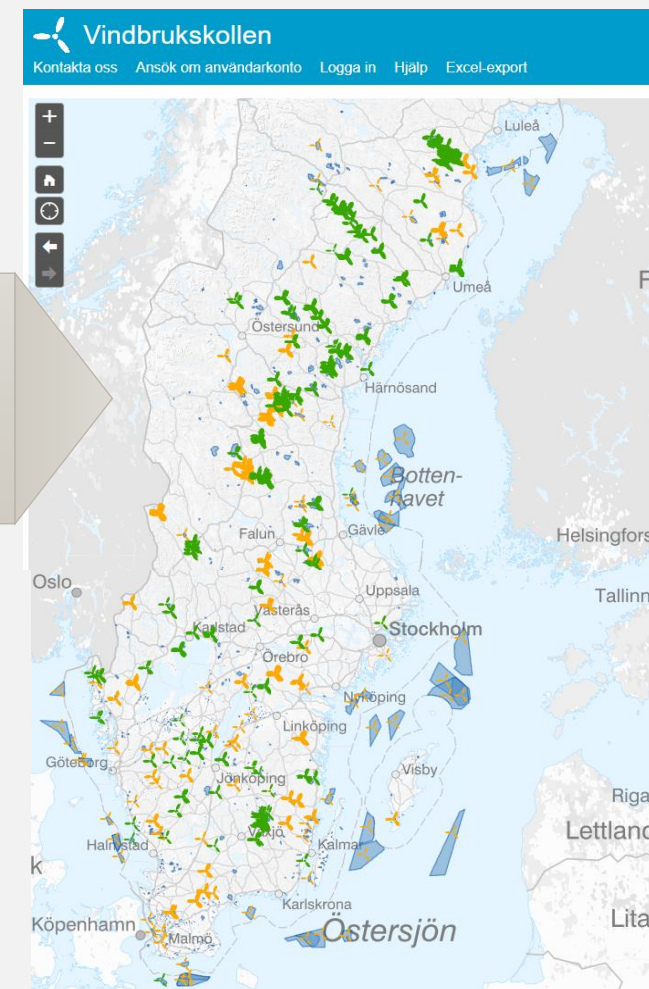


Marine Spatial Planning

Energy areas in current marine spatial plans

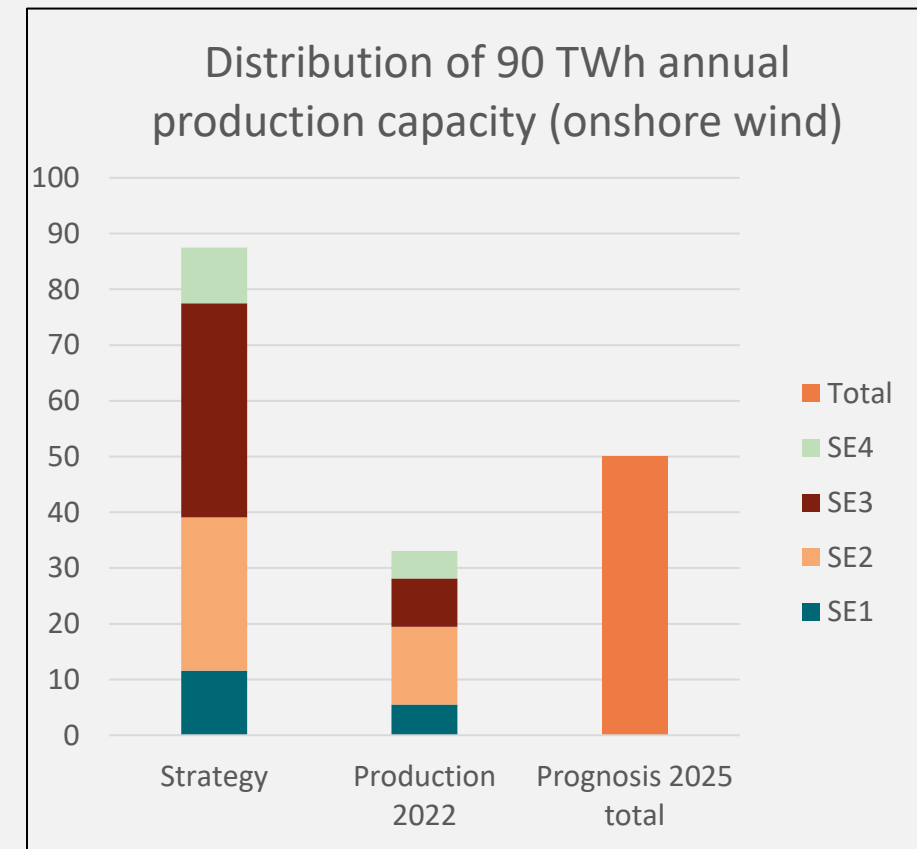


Wind projects, permitted and in permit or consultation phase



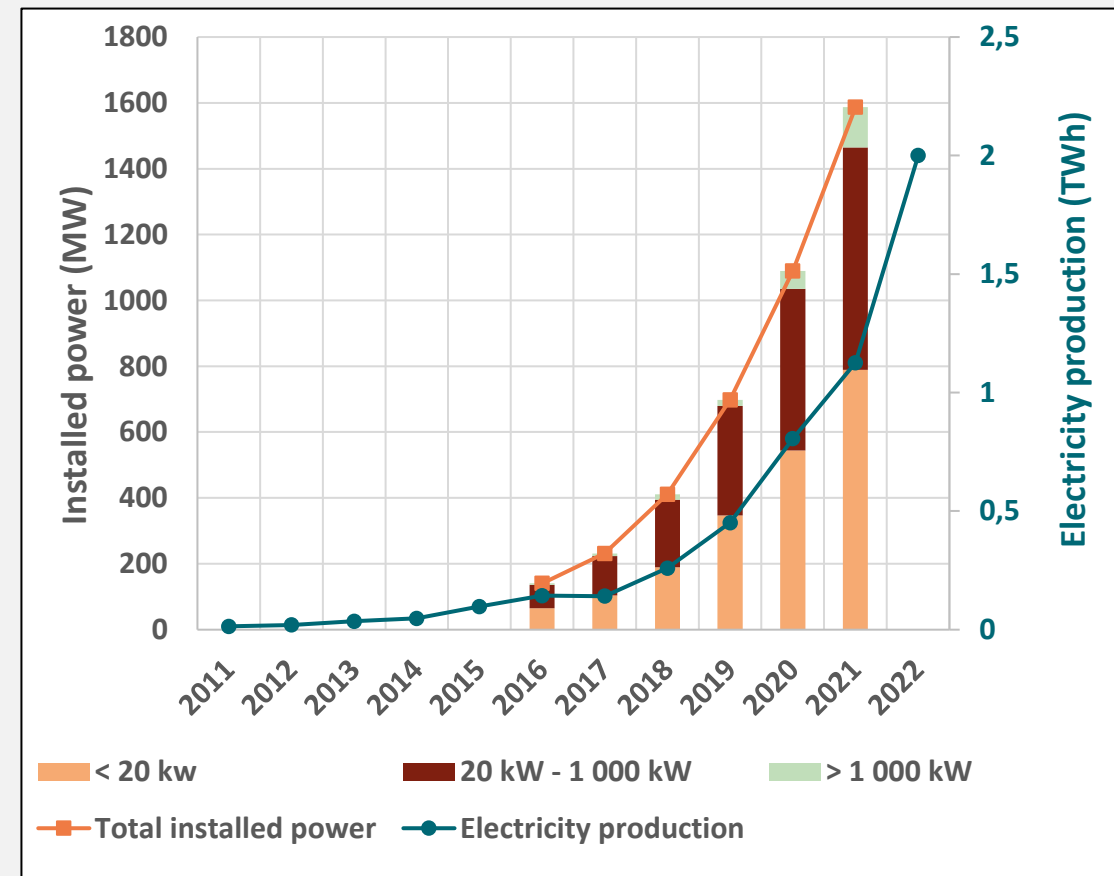
Onshore Wind power - projects

- Ongoing and completed projects concerning wind power:
 - National planning - onshore wind power
 - Regional wind power analysis
- Change of the Municipal planning sovereignty (veto)



Solar power

- Grid connection in southern Sweden
- Intermittent production
- Unclear goals for land-use: “Solar power or food production”
- Bottlenecks in available workforce for construction



The way forward – important focus

**Land use – coexistence
and planning**



**Functioning markets
and incentives**

**Systemic perspective on
environmental evaluation**



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