



## Aiming for answers here and now

8

Mapping the challenges that should be investigated further





## **Background**

The power system experiences extreme prices both high and low and more often so.

• Flexibility sources, such as energy storage and flexible production is becoming more important to stabilize power prices.

European geo-policy are emphasizing the importance of energy security as the dependency on gas prices and energy import as revealed in 2021-22.

 This need can create additional value for Norwegian hydropower, given the possibility to export flexibility to North-West Europe.





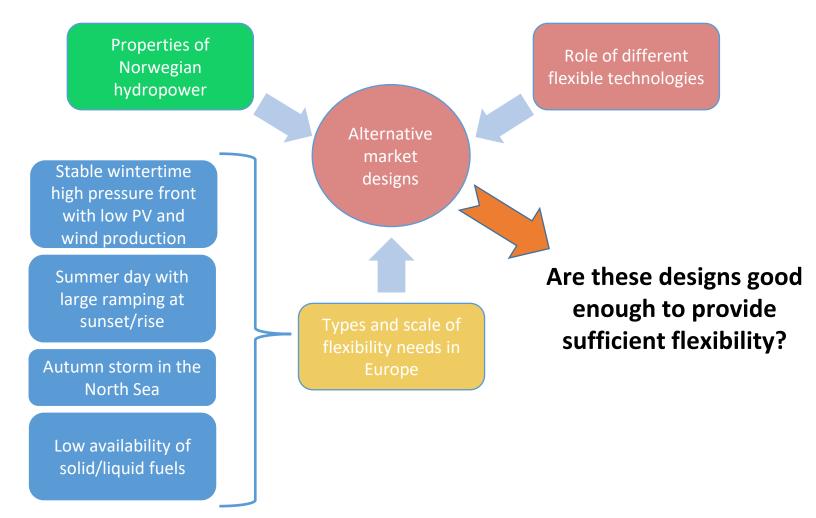
## Market designs / How to HydroFy Europe

#### Value proposition:

Flexibility from Norwegian hydropower ++ supports the energy transition in Europe;

#### Knowledge gap:

Understanding how different market designs give opportunities or create barriers for realization of new roles for flexible resources, such as hydropower, hydrogen and batteries





### **REPowerEU - Actions on price – What will be the impact?**

- Protect consumer and the conomy
- Opens for state aid to companies with high energy costs
- Looking for options to improve the electricit market design
- Measures should not be retroactive but be technologically neutral and allow electricity producers to cover their costs and protect long-term market and carbon price signals.





## **HydroFy opportunities**

- Would you help HydroFy defining the research questions?
- Would you help guide which HydroFy answers to prioritize?
- Would you like to stay updated on HydroFy findings?
- Would you like to what is going in US on the same topic?
  - HydroFy includes international collaboration with US based on the HydroCen/DoE MOU
- Then you should take actively part in the project and contact Magnus Korpås or me.



# Technology for a better society