



Energy Storage in the Network Codes

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1. Introduction to EASE

European Association for Storage of Energy...

- ...is the European **voice** of the energy storage community
- ...advocates the **role of energy storage** as an indispensable instrument for the energy system
- ...supports a **sustainable**, **flexible** and **stable** energy system
- ...**shares** and **disseminates** information

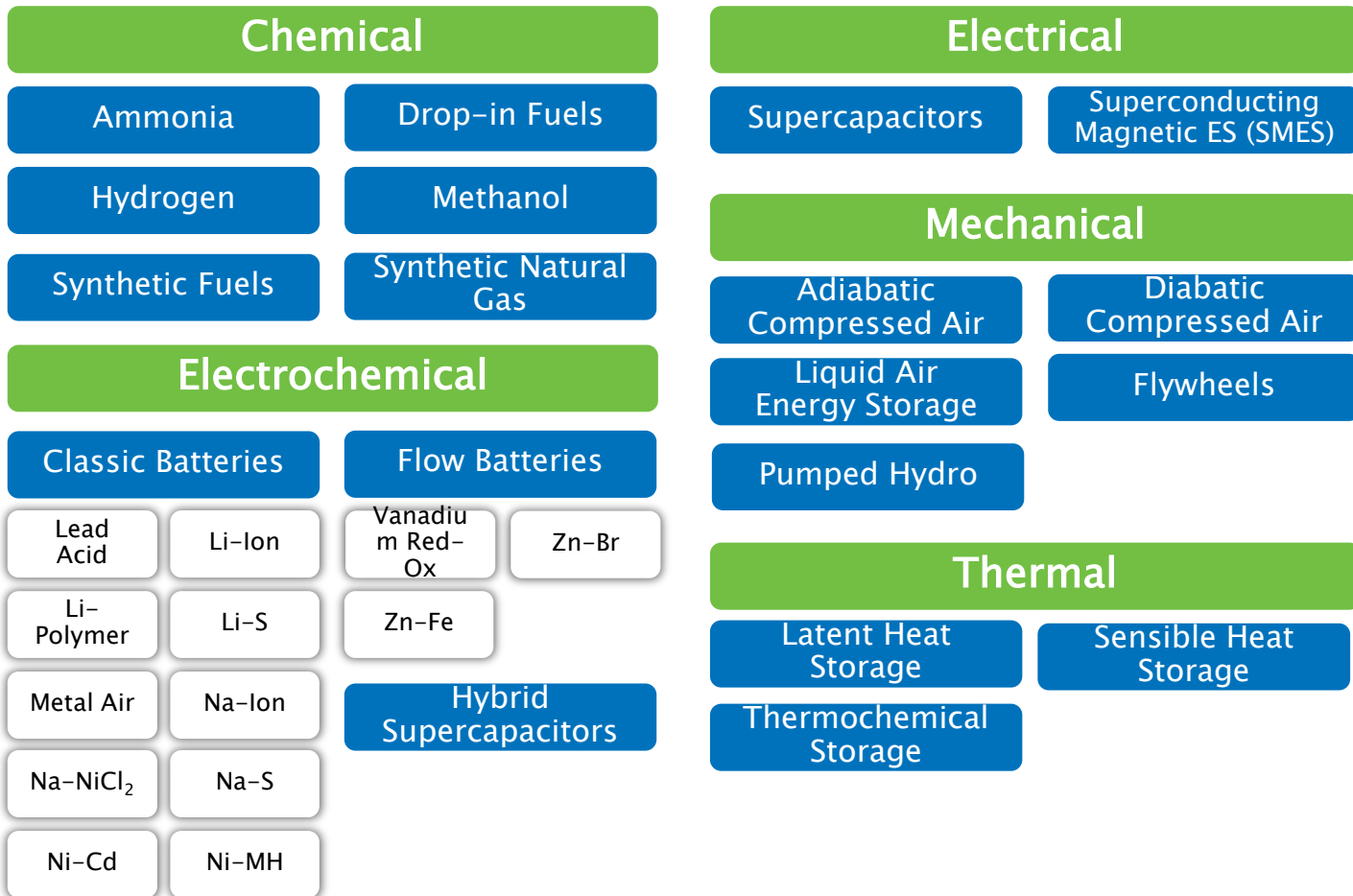
Strategic objectives:

- 1 Promotion of the role and benefits of energy storage
- 2 Fair market design for energy storage
- 3 Promotion of funding for Energy Storage (mainly RD&D)



2. Technologies and Applications

Many Energy Storage Technologies on the Market and in R&D





3. Energy Storage in the Network Codes

EASE Views

- As storage deployment increases, **there is a need to include storage provisions in the network codes** in order to clarify processes and requirements for developers and facilitate work of TSOs
 - The requirements should cover not only battery storage but also other mature storage technologies. They should not be unduly restrictive. The unique characteristics and benefits of storage should be considered
- We propose convening an ‘ad-hoc stakeholder group’ on storage to further investigate this topic





3. Energy Storage in the Network Codes

Points/Questions to Consider by Stakeholder Group

- First questions to address:
 - ✓ Does it make sense to include storage in RfG (and, consequently, in DCC)?
 - ✓ If there is a new network code specifically for storage, should PHS be moved to this new code?
- Then, we need to define:
 - ✓ Which energy storage technologies to be covered? How to deal with the challenge of incorporating so many diverse technologies?
 - ✓ How can the technologies be grouped? By technology, by export mechanism, interface mechanism, by capacity thresholds,...? What about hybrid storage systems?
 - ✓ How to differentiate between storage alone, storage integrated with RES, storage on generation site,...?
 - ✓ Which MS have specific requirements for storage devices already? What lessons learned?



Thank you for your attention!



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