

## Speakers | Long-Duration Energy Storage - What's Holding It Back, When Will It Break Through?



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Director, Global Market  
Development  
Sumitomo



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Senior Director ESS  
Northvolt

# The discussion will focus on use cases and technologies

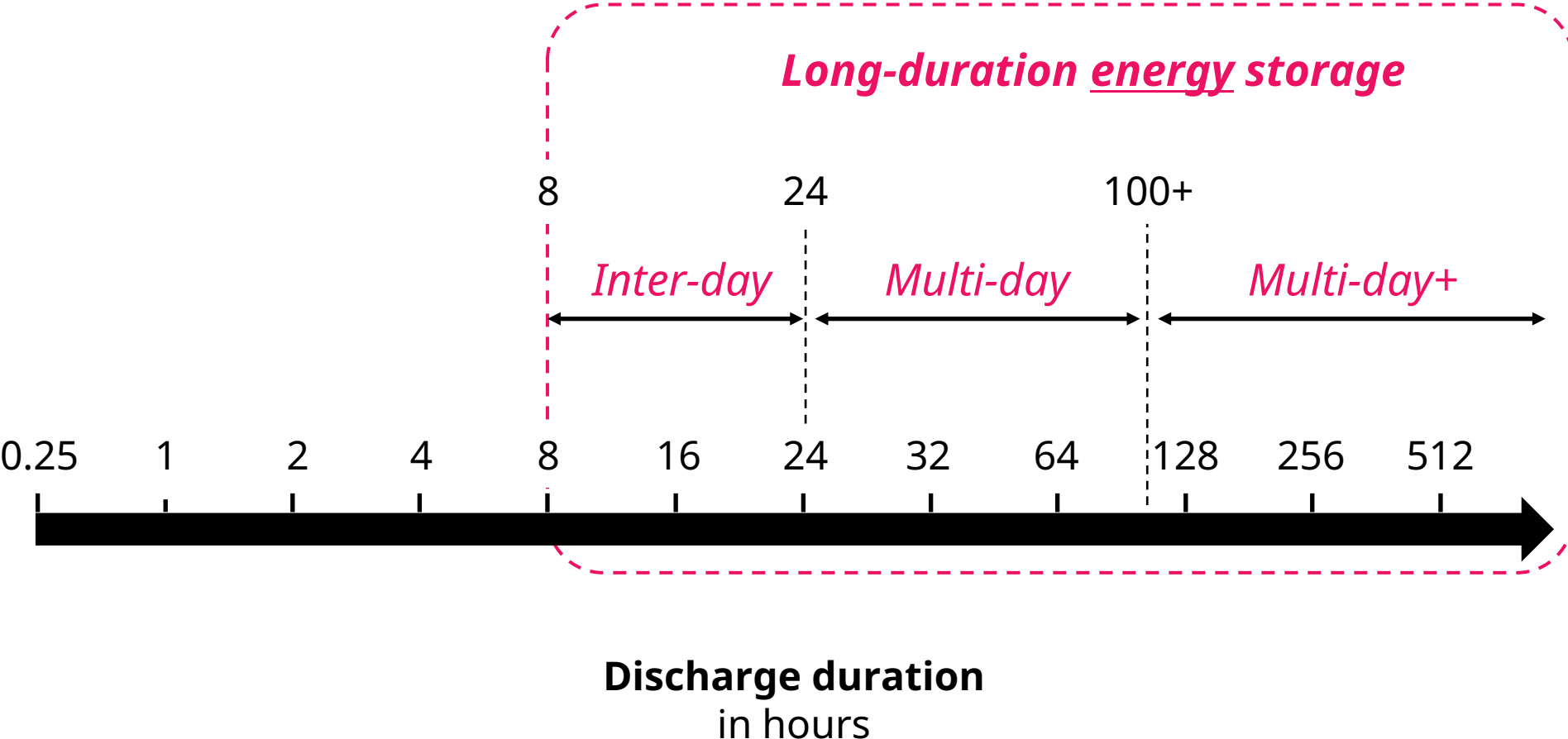
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## Panel structure

- 1 Intro: Perspectives on LDES 20 min
- 2 **LDES use cases**  
(incl. 10 min Q&A) 30 min
- 3 **LDES technologies**  
(incl. 10 min Q&A) 30 min
- 4 Closing: What's holding LDES back 10 min

# Long-duration storage discharges for more than 8 hours

Panel scope



# My background is energy storage and project development

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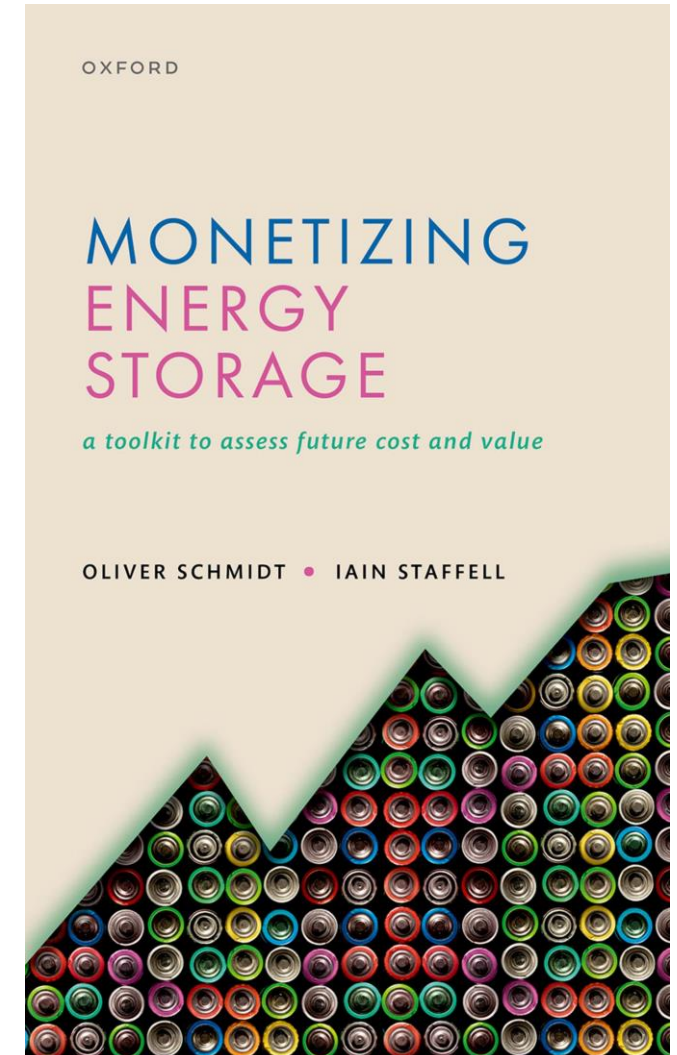
Personal intro

Researcher

Imperial College  
London

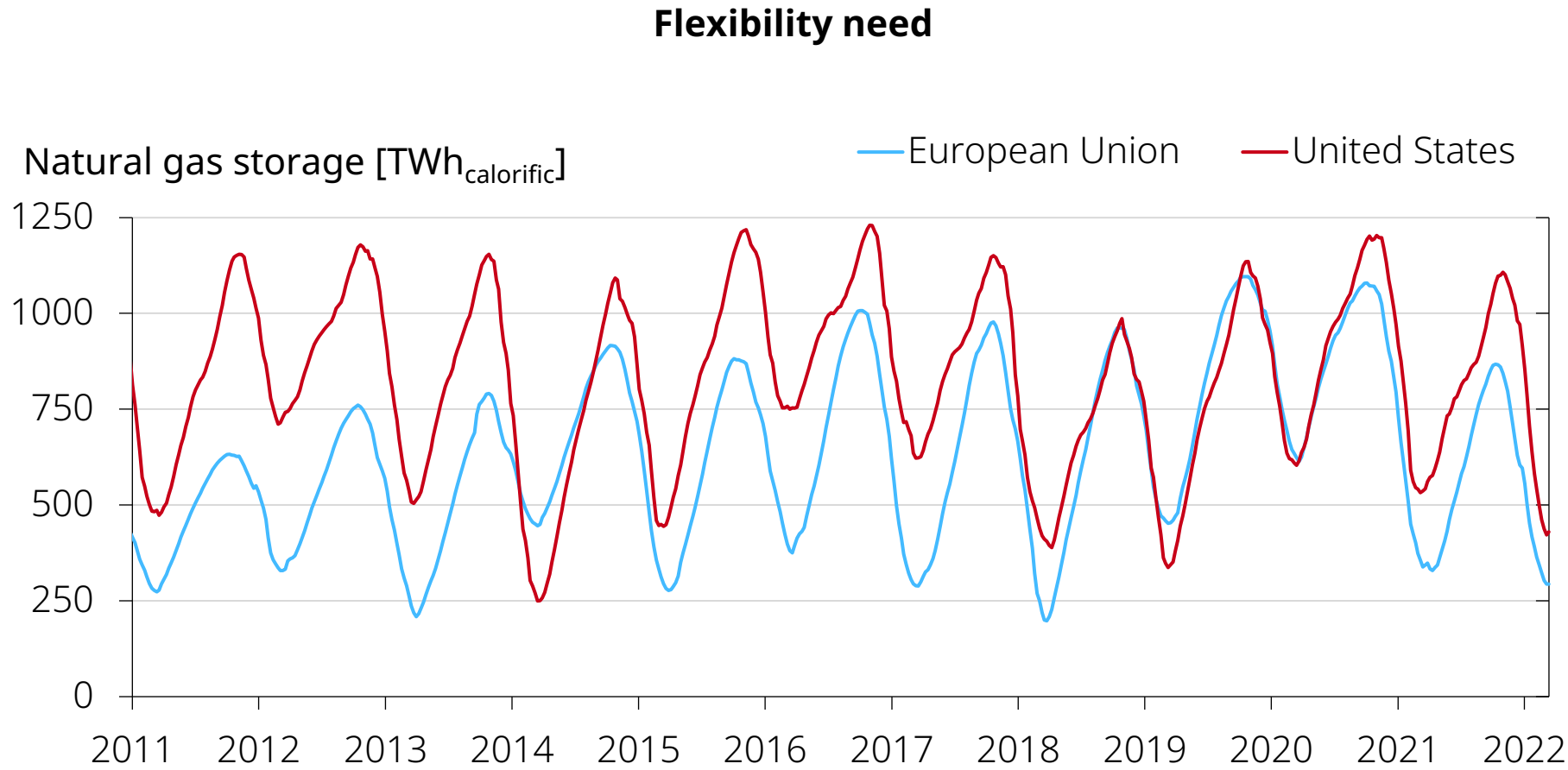
Founder

**dvlp.energy**

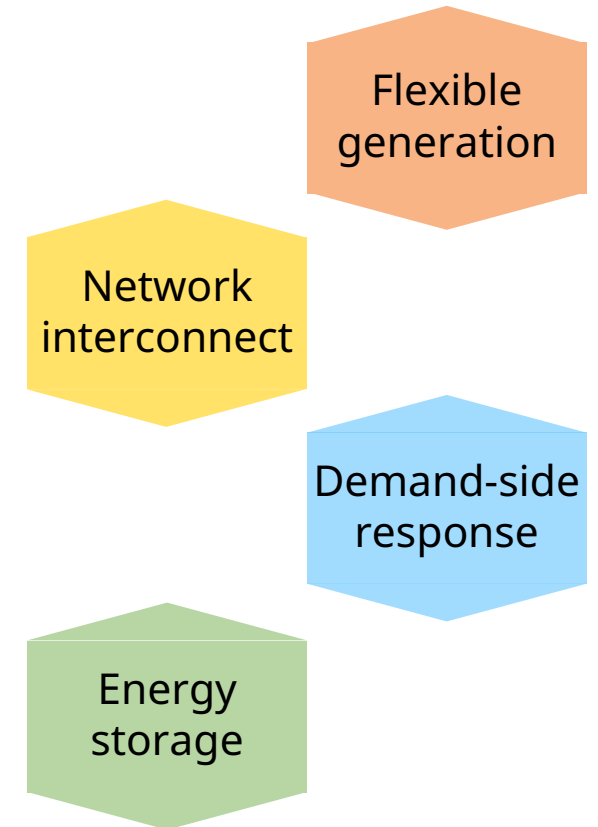


# We need long-duration flexibility in a net-zero energy system

## Need for flexibility



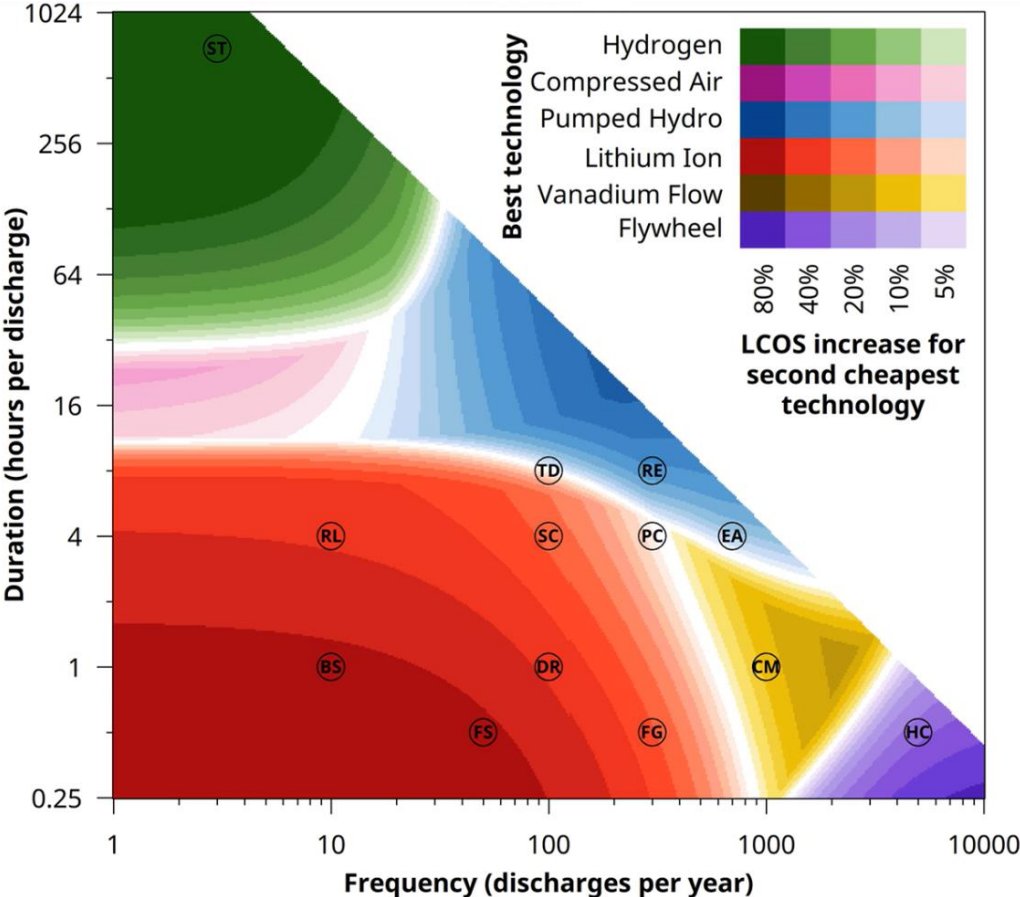
## Flexibility options



# Competitiveness and cost change with increasing duration

## Competitiveness and cost - 2030

### Technology competitiveness



### Lifetime cost / Revenue needs

