

# Welcome!

12:30 Welcome! Coffee, tea and snacks

12:45 NewSETS presentation

13:00 NewSETS Q&A

13:10 NewSETS research questions. Participants vote on the most interesting topic for the Åland

13:20 – 13:30 Break and more coffee

13:30 LocalRES presentation

13:45 LocalRES Q&A

14:15 Event ends. Voluntary discussion until 14:30

# Project NewSETS

01/06/2022



**01** NewSETS intro & background

**02** Who are we?

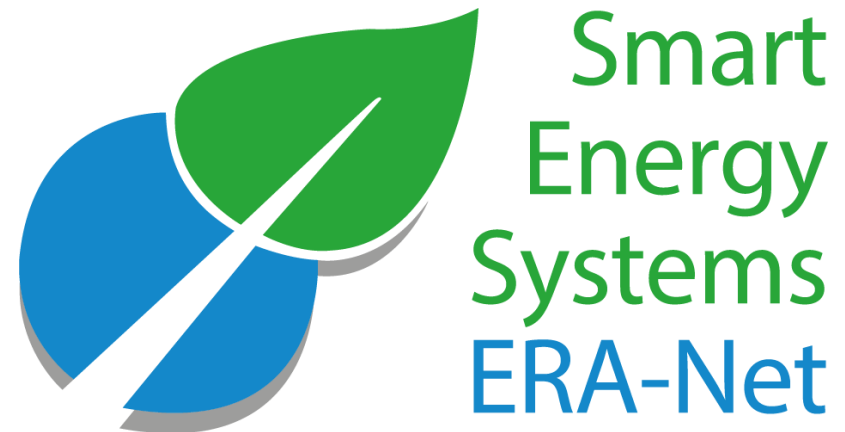
**03** Project plan

**04** Status & future prospects

**05** Research questions

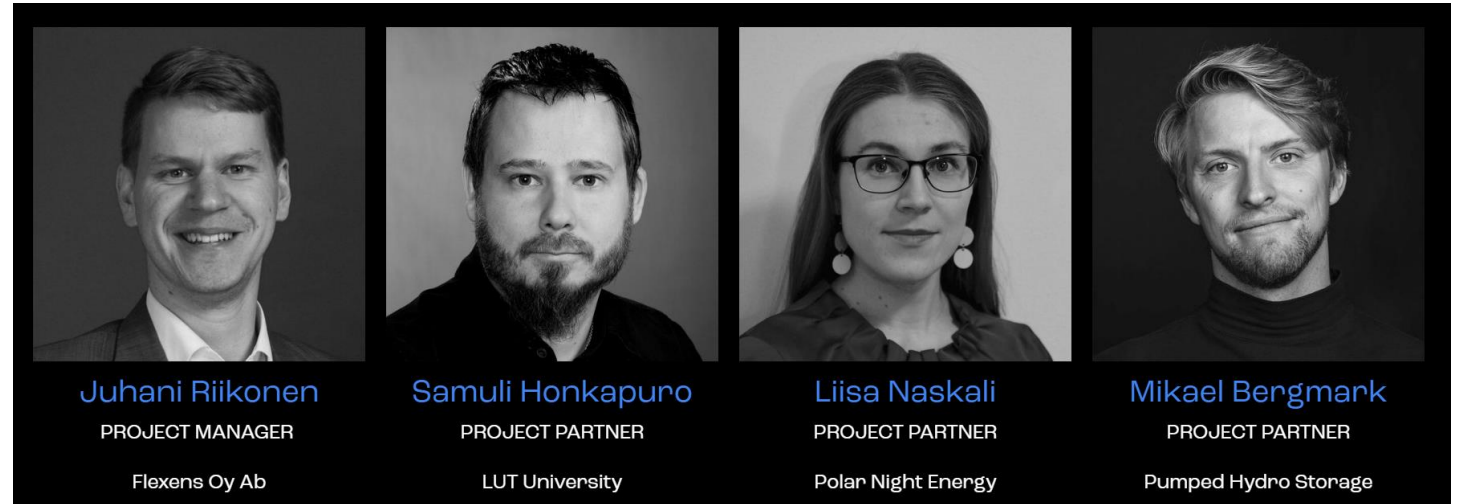
# NewSETS introduction

- ERA-NET Smart Energy Systems Joint call 2019 (MICall19)
  - Around energy storage
- Why Åland?
  - Flexens has had many active projects
  - Previous experience in testing and studying new energy solutions in Åland
- Website: [newsets.eu](http://newsets.eu)



# Who are we?

- Project manager: Flexens
- Partner:
  - Polar Night Energy Oy (power-to-heat storage)
  - LUT University
  - Pumped Hydro Storage Sweden Ab
- Åland Government and Business Finland in the steering group

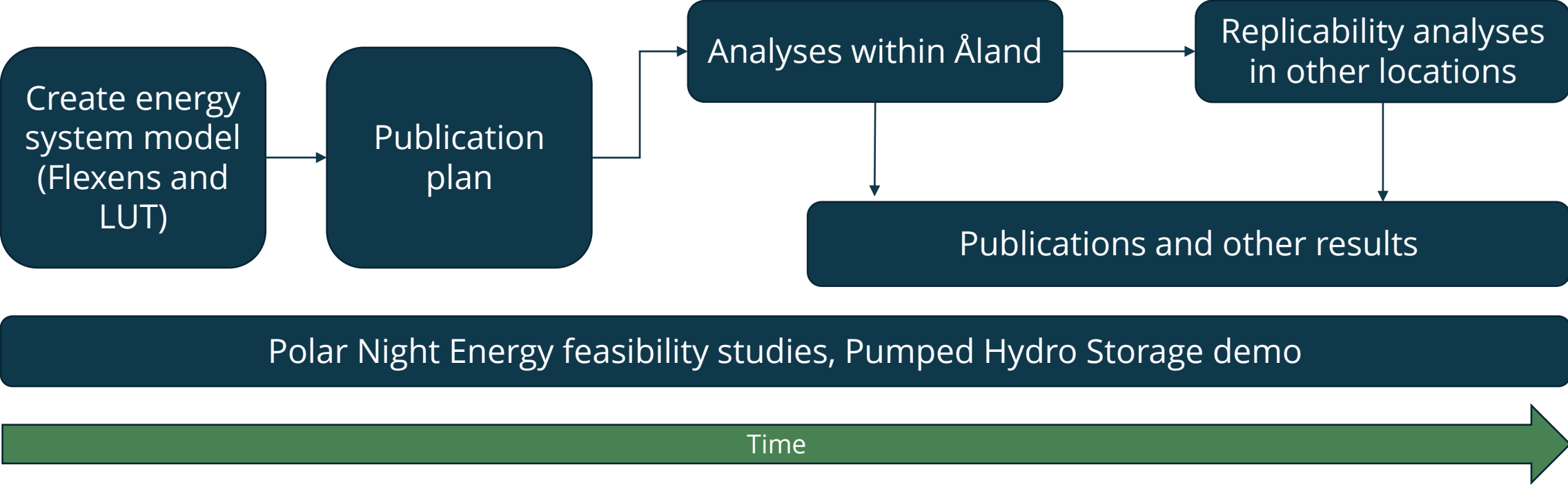


# Project plan

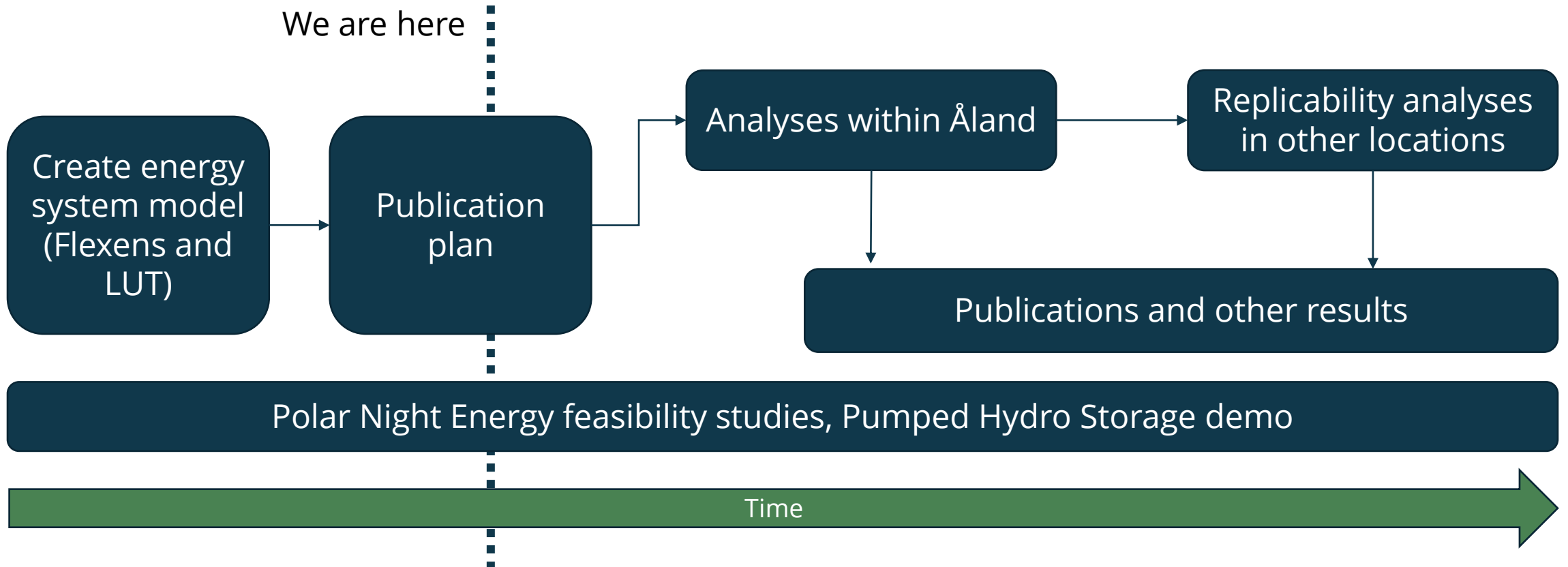
- Most activities around Polar Night Energy's and Pumped Hydro Storage's solutions
- Demonstrations, feasibility studies and economic analyses
- 06/2021 – 05/2024
- Total budget 4,1 M€
  - approx. 16 person years of work
- Flexens and LUT university
  - Techno-economic analyses about energy storage
- Polar Night Energy Oy
  - Feasibility studies
- Pumped Hydro Storage Sweden Ab
  - Båtskär demo
- Flexens: Communications



# Project status and future



# Project status and future







**THANK YOU!**

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# Poll: Interesting research questions

# Interesting research questions

- Write down the numbers of the two most interesting research questions
1. How the storage types improve Åland self-sufficiency?
  2. Potential business cases in Åland for storage owners
  3. Co-operation potential of the storage types in Åland
  4. Benefits of the storage types in comparison to other energy storage
  5. Development needs in energy policy & regulation to promote the storage types in Åland
  6. How the storage types help increasing the RES share in Åland?
  7. Replicability of the storage types after Åland

# Interesting research questions: Results

