

# Task 1: Outreach and Community Building

## *Events & Project BOPTTEST+*

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Online meeting  
April 14<sup>th</sup>, 2025



IBPSA Project 2







# Outline

- Events, workshops, and presentations [10 min]
- Website and other media [5 min]
- Project BOPTEST+ [40 min]
- Miscellaneous [5 min]

# Events, workshops, and presentations

# Events

- **Events:** *(Chronological order)*

- ✓ 2024/11/27 → 1st Project 2 research webinar at IBPSA Webinar Series.
- ✓ 2025/01/29 → 2nd Project 2 research webinar at IBPSA Webinar Series.
- ✓ 2025/03/26 → 3rd Project 2 research webinar at IBPSA Webinar Series.
-  2025/05/28 → 4th Project 2 research webinar at IBPSA Webinar Series.
-  2025/05/13 → Presentation at the Building Digital Twin International Congress.
-  2025/08/24 → BS2025 in-person meeting and workshop. Call for help ⚠
-  2025/08/24 → BS2025 papers on software and test cases. Call for help ⚠

# Website and other media

# Project BOPTTEST+

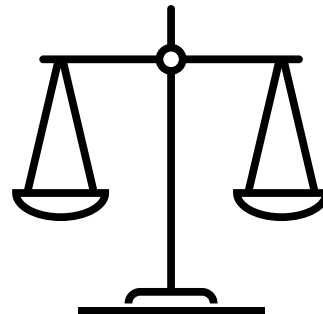
# Motivation

**Commitment = Interest + Resources**

We have a lot of interest, but lack the resources...

Proposal → Seek research funding in Europe that supports our developments

BOPTTEST  
developments  
goals



Answer  
research  
questions

# Call



## **HORIZON-CL5-2026-02-D4-02: Smarter buildings as part of the energy system for increased efficiency and flexibility – Societal Readiness Pilot**

- Cluster 5: Climate, Energy, and Mobility
- Project Type: Innovation Action (IA)
- Technology Readiness Level (TRL): End at TRL 6-8
- Opening: 16 Sep 2025
- Deadline: 17 Feb 2026



# Call



**BOPTEST+: Smart Building and District Energy Optimization for  
Next-Generation Control Systems**



**BOPTEST+: Smart Building and District Energy Optimization to  
Enable Flexibility and System Integration**

# Call

## **BOPTEST+: Smart Building and District Energy Optimization to Enable Flexibility and System Integration**

### **Main highlights of the concept note:**

- Development of **smart control** strategies for efficient and flexible energy management of buildings and districts.
- Propose methodologies for **measuring and quantifying** energy savings and flexibility.
- Support the **open-source** BOPTEST ecosystem and community.
- Embed **SSH expertise** through stakeholder engagement, educational outreach, and socio-technical systems research.

# Pilots

Potential pilots:



<https://www.openthor.be/en/projects/construcThor>



<https://www.dabc.polimi.it/en/abclab/the-units/velux-lab/>

# Pilots

Potential pilots:



<https://zeblab.no/>

Others:

- Municipality
- University building(s)

# Budget and timeline

- **Budget: €5.8M**
- **EU Contribution: €4M**
- **Project Duration: 48 months**
  - **M6:** Initial BOPTTEST+ framework update
  - **M12:** Deployment of MPC and AI-based RL strategies in simulation.
  - **M24:** Mid-term evaluation of pilot implementations.
  - **M36:** Full-scale benchmarking and validation.
  - **M48:** Industry adoption and dissemination.



# Consortium

Partners:



With the support of:



# Consortium

Others contacted:



**Do we need an (additional) SSH expert ??**

**Agreement to use the writing service from R2M**

# Thank you!

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