

IBPSA Project 2

Online meeting: Task 1 – Events & Project BOPTEST+

26/05/2025

Attendees:

<u>Name</u>	<u>Affiliation</u>
Iago Cupeiro	Cupeiro Sinte, Spain
Kun Zhang	ETS, Canada
Tea Žakula	FSB, Croatia
David Woelfle	FZI, Germany
Natalja Kleiner	FZI, Germany
David Blum	LBNL, USA
Ettore Zanetti	LBNL, USA
Davide Fop	PolITO, Italy
Marco Savino	PolITO, Italy
Silvio Brandi	PolITO, Italy
Alfonso Capozzoli	PolITO, Italy
Antonio Galvez	R2M, Spain
Laura Zabala	R2M, Spain
Hicham Johra	SINTEF, Norway
Bertrand Terres	Terion, Denmark
Javier Arroyo	Wedoco, Spain

Agenda.

- Project BOPTEST+ [50 min]
 - **Wedoco** → State and main updates [10 min]
 - **SINTEF** → coordinator for proposal writing [10 min]
 - **FSB** → review & pilot overview [10 min]
 - **FZI** → contribution to SSH [10 min]
 - **BAEDA** → new partners [10 min]
- Miscellaneous [10 min]

Wedoco – State and main updates

Javier Arroyo (Wedoco) opens the meeting with an update on the current status of the BOPTEST+ proposal. He confirms that the Horizon Europe call selected (Cluster 5, TRL 6-8) aligns with the project's ambitions, focusing on advanced control strategies and quantification of energy flexibility. A concept note has been prepared and shared with the group. The consortium is nearly finalized, composed of both research institutions and industrial partners. SINTEF is announced as the coordinator for proposal writing. Communication will now move from the open Google Group to a more private coordination channel. Task 1 meetings will continue focusing on their original outreach and dissemination role, including events and the website, while still facilitating information exchange with the BOPTEST+ initiative.

SINTEF - Coordinator for proposal writing

Hicham Johra (SINTEF) confirms that SINTEF takes the lead on coordinating the BOPTEST+ proposal writing. He emphasizes the strategic value of EU projects for SINTEF and the availability of resources and expertise in MPC. The coordination process starts before summer and intensifies afterward. A dedicated Teams channel will be created for internal communications. He highlights the strength and responsiveness of the consortium as a key advantage.

FSB - Review & pilot overview

Tea Žakula (University of Zagreb) presents two pilot buildings in Croatia: a vocational school equipped with a range of HVAC systems, ventilation configurations, sensors, and an open building automation system allowing integration of MPC algorithms; and a newly refurbished university facility replicating much of the first building's control infrastructure. She has an academic background from MIT and a role as a European Commission evaluator. She offers to review the proposal and provide additional institutional support from her faculty's proposal office.

FZI - Contribution to SSH

Natalja Kleiner (FZI) introduces her department's expertise in bridging technical systems with societal needs. Her team focuses on social acceptance, human-technology interaction, usability testing, co-creation workshops, and foresight studies. Their interdisciplinary team includes psychologists, engineers, and designers. Natalja highlights examples of work such as smart meter acceptance studies and user interface design for digital tools, stressing their alignment with the SSH dimension of the Horizon call.

BAEDA - New partners

Alfonso Capozzoli (BAEDA, Politecnico di Torino) introduces his lab's research on data-driven energy management, predictive and adaptive control, and semantic modeling with ontologies like BRICK and SAREF. He mentions recent work on real-world applications of deep reinforcement learning and MPC. Marco Piscitelli presents his focus on semantic metadata modeling and decision support systems. Davide Fop, a PhD student, describes his work on control strategy testing and data modeling for energy systems. Silvio Brandi adds that his research centers on deep reinforcement learning and advanced HVAC control. Marco also shares ongoing efforts to integrate large language models for automated semantic model generation, offering this as a potential innovation for the project.

Summary

Javier closes the meeting by thanking all participants for their contributions and enthusiasm. He reiterates that future Task 1 meetings will return to their original role: focusing on events, workshops, and dissemination activities for Project 2. BOPTEST+ coordination and proposal development will now be led by SINTEF. Further updates on the proposal will be communicated via SINTEF's Teams platform. A Doodle will be circulated to schedule the next Task 1 meeting.