ExPEDite
Enabling Positive Energy Districts through Digital Solutions

Demo Day
EVENT AGENDA

23 October 2026

On-site and online

RTU Campus, Āzenes iela 12/1, room 115, Riga, Latvia

All times indicated in the agenda are in Riga time (EEST, UTC+3).

01 REGISTRATION & KEYNOTES

09:00–09:15 15 min	**Registration and coffee**
09:15–09:30 15 min	**Keynote** **Speakers:** Lauma Muižniece, Director of the Grant Office at Riga Technical University (RTU), Sandis Spolītis, DITEF Vice Dean for Research (RTU)
09:30–09:50 20 min	**Introduction to the ExPEDite Project and PED Vision** Overview of the project and how digital twins support sustainable, climate-neutral urban development. **Speakers:** Jānis Kampars (RTU)
09:50–10:05 15 min	**Perspectives on Positive Energy Districts (PEDs)** **Speakers:** Prof. Dagnija Blumberga (RTU)
10:05–10:20 15 min	**Riga city plans in the context of positive energy, role of digital twins** **Speakers:** Elīna Treija (Member of Riga City Council, Chair of the Housing and Environment Committee)

02 PRESENTATIONS

Exploring digital twins for climate-neutral cities

Overview of ExPEDite and its main achievements

10:20–10:40 20 min	**Coffee break**
10:40–11:10 30 min	**Design & Runtime Digital Twin Platform** Explore a 3D environment for real-time visualization and analysis of district energy flows and performance. **Speakers:** Maris Kalinka (RTU); Dinos Ipiotis (Sweco)
11:10–11:30 20 min	**Decision Support System (DSS)** Learn how planners can evaluate scenarios and make evidence-based investment and planning decisions. **Speakers:** Aris Bonanos (EXUS AI LABS) (Online)

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11:30–11:45 15 min	**Citizen Engagement & Mobile Application** Discover how gamification and co-creation tools empower citizens to participate in the energy transition. **Speakers:** Kostas Flokos (UpcoMinds)
11:45–12:15 30 min	**ExPEDite Modelling and Simulation Suite** Explore how modelling tools support urban energy planning, positive energy district development and energy management. **Speakers:** Modellers and researchers from Riga Technical University, PLEGMA, TECNALIA, the National Technical University of Athens and the University of Padua
12:15–13:30	**Lunch**

03 DEMONSTRATION
Exploring digital twins for climate-neutral cities

13:30–13:45 15 min	**Interactive Session (Co-creation Workshop)** **Societal Impact Assessment of PED** Provide feedback, share ideas, and actively contribute to shaping future urban energy solutions. **Speakers:** Emilia Risu; Kaisla Saastamoinen (**Laurea University of Applied Sciences**)
13:45–14:45 60 min	**Technical demo(s), hands-on demonstration & networking** Try out the tools, interact with experts, and explore collaboration opportunities.
14:45–15:15 30 min	**Panel Discussion** Example topic: The role of DTs towards planning and implementing PEDs. **Contributors:** Beril Alpagut (Demir Enerji); Francesco Molinari (The Lisbon Council) Moderated by Francesco Osimanti (The Lisbon Council)
15:15–15:30 15 min	**Conclusion & Discussion** Wrap-up of key insights and open discussion with participants. **Speakers:** Janis Kampars (RTU); Ondrej Kabot (Technical University of Ostrava)

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