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Discover the activities and events of BEST-Storage project and delve into both long and short-term high-energy density storage solutions that will be developed and demonstrated in demo cases around Europe.

Stay updated on the latest news and developments by following us on [LinkedIn](#) and [YouTube](#), and keep an eye on our BEST-Storage project [website](#).

Newsletter Content

Internal activities

- General Assembly: 4th General Assembly of the consortium was held in Bilbao

Webinars and Online Events

- EU Regulatory Landscape for Thermal Energy Storage

Project Activities

- Energy Storage Solutions Across Europe

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INTERNAL ACTIVITIES

BEST-Storage General Assembly

04-05 February 2025, Bilbao



The BEST-Storage project consortium recently gathered for its **4th General Assembly Meeting**, held on **4-5 February 2025** in **Eibar and Zamudio, Spain**. Hosted by **TEKNIKER** and **TECNALIA**, the meeting brought together project partners to review progress, discuss key work packages, and plan the next steps for this ambitious energy storage initiative.

Key Highlights of the Meeting

📌 **Project Coordination & Management** – The meeting opened with an update from **Solintel**, addressing project coordination and financial management.

📌 **Technical Developments** – Partners presented advancements in:

- **Modular Thermo-Chemical Energy Storage (WP3)**
- **Short-Term Cold & Warm Storage for Peak Load Shifting (WP4)**
- **Demonstration & Cost Assessments (WP5)**

📌 **Business & Market Strategies** – Discussions covered **exploitation strategies**, **business models**, and **marketing**(WP6), followed by insights on **dissemination and communication efforts** (WP7).

📌 **Site Visits & Round Table Discussions** – Attendees had the opportunity to tour TEKNIKER's facilities and engage in **working group sessions on demonstration site implementation**.

📌 **Collaboration with the ECHO Project** – The event concluded with a **clustering session**, where BEST-Storage and ECHO project partners explored **technology barriers and dissemination strategies**.

WEBINARS & ONLINE EVENTS

WEBINAR: EU Regulatory Landscape for Thermal Energy Storage

21 November 2024, Online



EU Regulatory Landscape for Thermal Energy Storage

21 November 2024 | 10:00 - 11:30 | Teams Webinar

ECHO
EFFICIENT COMPACT MODULAR
THERMAL ENERGY STORAGE SYSTEM

BEST-Storage

HYSTORE
HYDROGEN STORAGE SYSTEM

ThumbsUp

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On the 21st of November, the **BEST-Storage** project hosted an insightful webinar, bringing together leading experts to discuss **the future of Thermal Energy Storage (TES)** and its role in Europe's energy transition.

 **Missed it? Watch the full webinar here:** [Watch now](#)

Key Highlights of the Webinar

◆ **Introduction** – Giulia Malafarina (EHPA) opened the event, setting the stage for expert discussions on **TES technologies, innovation, and market challenges**.

◆ **Expert Presentations:**

- **Thomas Schleker (European Commission DG RTD)** – *Thermal Energy Storage R&I: The European Viewpoint*

- **Guillermo Andrés Nieto (Veolia)** – *TES Technologies Integration: Regulatory Constraints in the EU*

- **Karla Zambrano (ITACA & UNIZAR)** – *Why is TES Important to Prevent Energy Poverty?*

◆ **Q&A & Closing Discussion** – Attendees engaged in a thought-provoking session, raising key questions about TES applications, policy frameworks, and future opportunities.

With TES at the core of Europe's green transition, events like this webinar help **foster collaboration, share knowledge, and drive innovation** in sustainable energy storage.

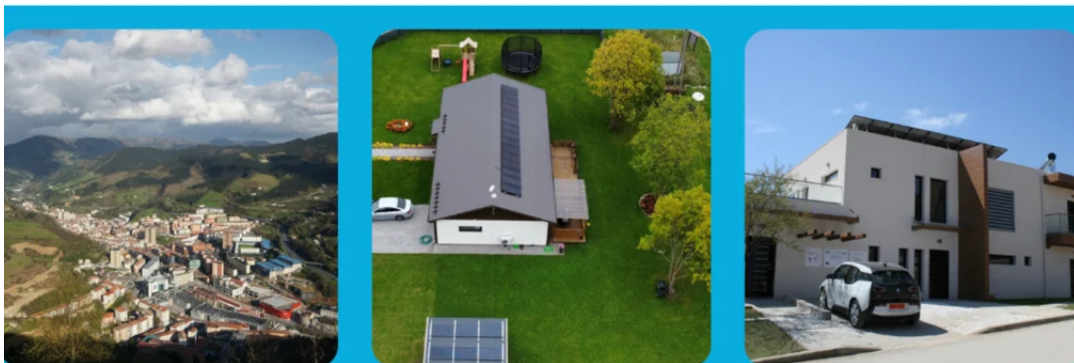
Watch the Recording

PROJECT ACTIVITIES

BEST-Storage Demonstration Campaign: Testing Energy Storage Solutions Across Europe



BEST-Storage Demonstration Campaign: An Overview



The **BEST-Storage project** is deploying and testing advanced energy storage systems at key locations across Europe, each chosen to represent different climates and building types. This real-world approach ensures that the solutions developed are effective under diverse conditions, making them widely applicable.

The project features three real demonstration sites:

- **TEKNIKER Main Building (Spain, Oceanic Climate):** An office and lab facility testing a **9 kWh slurry energy storage system** with a smart control system to enhance energy efficiency.
- **Tartu Suburban House (Estonia, Continental Climate):** A single-family home integrating **thermal energy storage for heating and hot water**, with additional solar panels for increased sustainability.
- **CERTH Smart Home (Greece, Mediterranean Climate):** A research-driven smart home trialling **thermal and VI-water storage** to support both heating and cooling needs year-round.

By evaluating these systems in different environments, **BEST-Storage** is paving the way for **efficient, adaptable energy storage solutions** that support Europe's transition toward sustainable buildings.

[Learn more](#)

FUTURE EVENTS

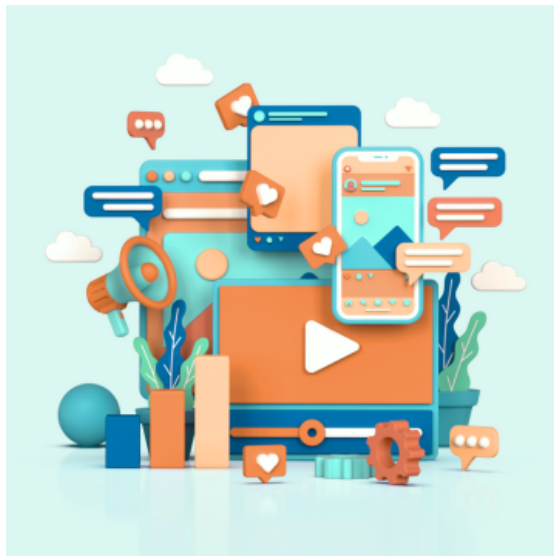
BEST-Storage at ISCET Joint 2025

The **BEST-Storage** project, as part of the **TES-Cluster**, will participate in the **ISCET Joint Conference 2024** with a dedicated **workshop on energy storage solutions** on **24th June in Lipari, Italy**. This workshop is organised alongside **ThumbsUp, Hystore, and ECHO**, four European projects committed to advancing energy storage technologies by addressing material efficiency, cost-effectiveness, and integration with renewable energy sources.

The session will present key developments in **thermal energy storage**, highlighting demonstration cases and innovative solutions. Participants will have the opportunity to engage with experts, discuss industry challenges, and explore potential collaborations. Join us in Lipari to be part of the conversation!

PROJECT RESOURCES

Discover the latest videos on the BEST-Storage YouTube channel



Explore innovative storage solutions and expert insights on our YouTube channel. Our newest videos include:

- BEST-Storage project overview: context, objectives, and demo cases.
- Energy storage in energy communities: insights from our ECHO & BEST-Storage Webinar on readiness, needs, and regulations.
- Stakeholder engagement and market analysis: a comprehensive webinar on engaging inhabitants, owners, and neighbourhood associations.
- EU Regulatory Landscape for Thermal Energy Storage: In the rapidly evolving energy sector, understanding the regulatory framework is crucial for advancing sustainable energy solutions, including Thermal Energy Storage (TES).

Stay updated with thermal energy storage insights by watching these webinars and more on BEST-Storage channel.

Watch the videos

BEST-Storage latest reports

Read the three reports elaborated and published by BEST-Storage partners as part of the activities aimed at outlining key territorial aspects (climatic, energetic,

environmental, economic, and social) to evaluate the sustainability of proposed storage solutions in the involved countries. These activities helped develop a methodology for defining BEST-Storage solutions and configurations, supporting technological development, and assessing the solutions' sustainability, modularity, flexibility, replicability, and cost-effectiveness in real-world applications."

1. Promising storage and system configurations and geographical cluster providing the necessary framework for extensive energy systems simulations, including all European regions and their specific boundary conditions.
2. Current and future overview of technical market application offering a comprehensive overview of the techno-economical context, in which the project storage solutions will operate. This includes their general applications, ongoing research, and the current reference state of practice.
3. Identification of the key energetic, environmental, and economic KPIs helps to understand the most important performance aspects of residential heating and cooling systems, with a distinct focus on storage technologies.

[Read the reports here](#)

Meet the Consortium





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