



meta build

Dear readers,

welcome to the META BUILD newsletter! We are excited to share our latest progress with you. This is an opportunity to connect with fellow engineers, professors, and experts in renewable energy and AI. Don't forget to follow us on [LinkedIn](#) for exclusive updates, and visit our [META BUILD project website](#) to dive deeper into our innovative solutions.

META BUILD kicked off in January 2024 with the ambitious goal of meeting the decarbonisation targets set by the EU Fit for 55 plan. In our first semester, we have made significant strides. Our partners have developed initial specifications for both hardware technologies (such as heat pumps and PVTs) and software solutions (including Energy Home Systems, Digital Twins, and LCA models).

We have also drafted a preliminary deployment plan for our Front Runners, outlining Business Use Cases and scenarios to test our technologies against key performance indicators. This deployment plan, along with KPI test results, will be crucial in validating our project objectives—a process currently engaging all our partners.

We invite you to join us on this journey. Explore behind the scenes of META BUILD and witness how we are paving the way for a sustainable future.

Warm regards,

Alexios Lekidis

Project Manager, Energy Policy Unit - NTUA

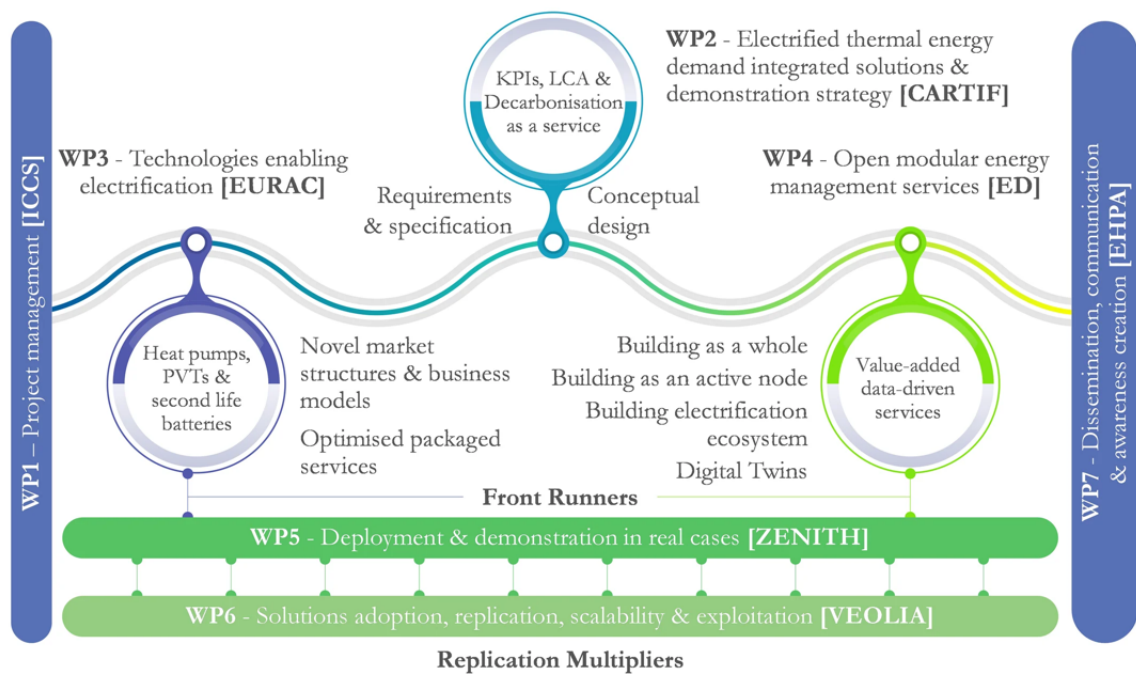
Summary

- Infographic of the Work Plan
 - Where we are
- META BUILD updates
 - META BUILD Kickoff in Athens
 - Collaboration with WeForming
 - META BUILD joined Smart Energy Cluster
 - META BUILD called for experts
 - Pilot 3, Mulhouse France Kick off
 - META BUILD Website is Live
 - Deliverables
- Events
 - New European Bauhaus Festival (NEB) 2024
 - EUSEW 2024
 - Gran Opening McBride International
 - Annual Meeting of Municipal Energy Specialists in Gdynia
 - The SET_HEAT Project Conference
 - MDT Week and ICE 2024
 - IISA 2024 - 4th International Workshop on Data Analytics in the Energy Sector
- News and upcoming Events

Infographic of the Work Plan

META BUILD project plan is designed around seven Work Packages, each of which oversees and/or are responsible for various parts of the project.

This is illustrated in the following infographic:



Where we are

M7

M12

M18

M24

M30

M36

M42



META BUILD Kickoff in Athens

On January 30-31, 2024, the META BUILD team gathered in Athens to chart our future activities. This kickoff meeting was a vital opportunity for partners to connect, define roles, and foster collaboration.

- **Coordination:** the meeting was effectively led by our project coordinator, Alexios Lekidis.
- **Interactive Workshop:** on the second day, [CARTIF](#) facilitated a workshop where participants brainstormed on various META BUILD pilot projects.
- **EC Insight:** Dr. Pau Rey-Garcia from the European Commission joined us online to provide an overview of EC/CINEA and project expectations.



To learn more, check out the [META BUILD consortium partners](#).



Collaboration with WeForming

A synergy for the future

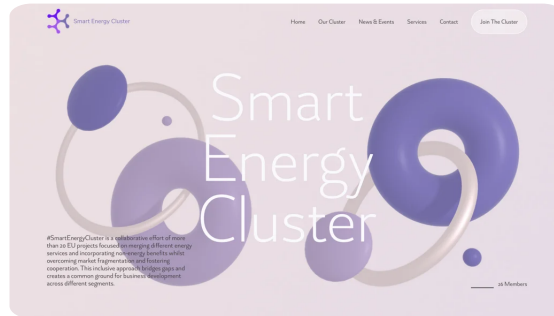
In April, the META BUILD team joined forces with the [WeForming Horizon Europe project](#) to explore synergies in energy management and building efficiency. This collaboration promises to drive changes in energy optimisation.

Key meeting Insights:

- Building electrification
- Energy efficiency
- Smart energy management

- Zero-Carbon Ecosystem

META BUILD also proudly represented WeForming at EUSEW and had the pleasure of meeting our partner [HOLISTIC](#) onsite.



META BUILD joined the #SmartEnergyCluster

META BUILD has been accepted as a member of the [Smart Energy Cluster](#).

#SmartEnergyCluster projects focus on merging different energy services and incorporating non-energy benefits whilst overcoming market fragmentation and fostering cooperation. This inclusive approach bridges gaps and creates a common ground for business development across different segments.

The cluster also aims to communicate the projects' activities and success stories to groups interested in smart energy solutions in order to amplify the impact of innovative service offerings, reduced energy costs for end-users, and faster payback periods for sustainable energy investments.



META BUILD called for experts

META BUILD Transdisciplinary Advisory Board took shape

On April 4, 2024, the [European Heat Pump Association's \(EHPA\) R&I Committee](#) called for experts to join META BUILD's Transdisciplinary Advisory Board (TAB).

Following this initiative, we gathered 14 experts, specialise in renewable energy technologies, energy efficiency and building research, sustainable business models

and assessment.



META BUILD Website is Live

The META BUILD website is up and running! Designed with modern principles, the website provides:

- Project aims and latest news
- Downloadable reports and public deliverables
- Links to our social media activities

A huge thank you to our partner [HOLISTIC](#) for their work!

Visit us at <https://www.meta-build.eu>



Pilot 3, Mulhouse France Kick off

META-BUILD Project Implementation Begins at KMØ, [EDF](#) is leading the third pilot site for the META BUILD Horizon Europe Project in Mulhouse, France. On February 21, 2024, the implementation officially began, marking an exciting milestone.

On this significant day, EDF met with our partner [SAUTER](#) to discuss and plan the next steps. KMØ's building will serve as the pilot site where we will test innovative digital solutions for this project.



Published deliverable

- [D7.1 - Communication and Dissemination plan.](#)

This deliverable describes the project's objectives, activities, results, and targeted audited for a strategic communication.

Soon, you'll be able to find our public deliverables on our website. These will provide a clear glance at our objectives and the milestones we're working towards. Your engagement and awareness are key to our collective success. Stay connected, stay informed!

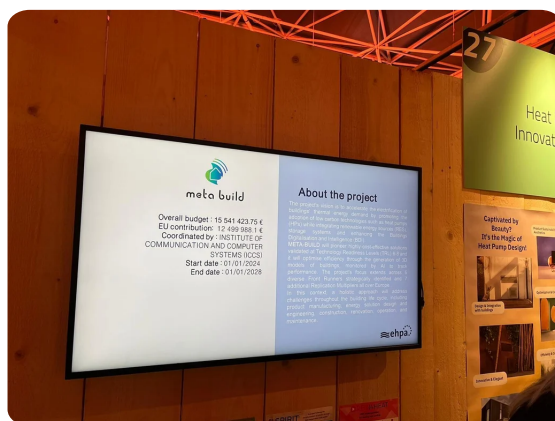
Deliverable coming soon

- D2.1 - Enabling conditions & consolidation factors for building electrification, 1st version

New European Bauhaus Festival (NEB) 2024

Brussels, Belgium

From April 9 to April 13, the META-BUILD was featured at the [New European Bauhaus Festival](#) in Brussels. The festival emphasised the role of sustainability in contemporary building practices. It highlighted how modern design principles can be combined with cutting-edge building technologies to create environments that are both eco-friendly and visually appealing. In this context, META BUILD consortium includes partners like INNOVA, who are committed not only to technological innovation but also to design excellence. This, allowed META BUILD to showcase how sustainable energy solutions can be integrated into buildings without compromising on aesthetic or functional design. Additionally by encountering potential "sister projects," META BUILD enriched its network and exchanging insights on how to advance the shared goals of sustainability and design innovation.



EUSEW 2024

Brussels, Belgium

EUSEW is the Europe's largest annual conference on sustainable energy, organised by [European Climate, Infrastructure and Environment Executive Agency](#) (CINEA). This year, it celebrated its 18th edition with a focus on "Net-Zero Energy Solutions for a Competitive Europe."

From June 11 to 13, META BUILD was showcased at the Boost of the European Heat

Pump Association (EHPA).

By participating in EUSEW, META-BUILD was able to promote its objectives, explore new collaborations, and strengthen its ties with other projects like Weforming, thereby contributing to the collective goal of achieving net-zero energy solutions for a competitive Europe.



SET_HEAT Project Conference

Zagreb, Croatia

From June 11-13, 2024, META BUILD was prominently featured at the 3rd Conference of the SET_HEAT Project in Zagreb, Croatia. Goran Stunjek, representing our partner [University of Zagreb](#), Faculty of Mechanical Engineering and Naval Architecture, presented META BUILD's innovative approach. A round table on district heating and cooling sparked insightful discussions among attendees. This event fostered valuable exchanges of ideas and strategies within the industry.



Annual Meeting of Municipal Energy Specialists in Gdynia

Gdynia, Poland

On June 6, 2024, the Energy Department of Gdynia City Hall, in collaboration with Metropolia Gdańsk-Gdynia-Sopot, organised its annual meeting for municipal energy specialists. The event attracted participation from key stakeholders, including [PGE Energia Ciepła S.A.](#), [Okręgowe Przedsiębiorstwo Energetyki Ciepłej](#), and the [Marshal's Office of the Pomeranian Voivodeship](#).



Grand Opening McBride International

Brussels, Belgium

On May 29, [McBride International](#) hosted the grand opening event in Brussels. The event offered valuable opportunities for META BUILD to engage directly with policymakers and public authorities and ensures that our work is recognised and understood by those who can support our project.

MDT Week and ICE 2024

Madeira, Portugal

On June 6, our team members Giorgos Korpakakis, Alexios Lekidis, George Stravodimos, Vangelis Marinakis, Elissaios Sarmas, Ioannis Papias, and Filippas Serepas attended [MDT Week](#) and [ICE 2024](#) in Madeira, Portugal, to present their paper, "[Home Energy Management Systems: Challenges, Heterogeneity & Integration Architecture Towards a Smart City Ecosystem](#)".

IISA 2024

Chania, Crete

On July 17 our Coordinator, DSS Lab, EPU-NTUA, participated in the [4th International Workshop on Data Analytics in the Energy Sector](#), part of the [IISA 2024 Conference](#). META BUILD was showcased alongside 13 other EU projects. The event was moderated by Prof. Vangelis Marinakis. The event saw the participation also of Elena

NEWS and and upcoming Events from META BUILD

- Read the first [META BUILD Press Release](#) from European Heat Pump Association (EHPA).
- Read the Paper "[Home Energy Management Systems: Challenges, Heterogeneity & Integration Architecture Towards A Smart City Ecosystem](#)" by Georgios Kormpakis, Alexios Lekidis, Elissaios Sarmas, Giannis Papias, Filippos Serepas, George Stravodimos, Vangelis Marinakis
- META BUILD announces Virtual Plenary for October 1st and 2nd;
- [EU Week of Regions and Cities](#) will take place from October 14 to October 17, 2024, in Brussels. [BRIDGE Workshop](#) will be a key feature to highlight our contributions to the future of smart grid storage systems and digital innovations in the energy sector. Prof. Vaggelis Marinakis will chair the panel.

Share [META BUILD Newsletter](#) with your network and subscribe!





**Funded by
the European Union**

META BUILD is funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Climate Infrastructure and Environment Executive Agency (CINEA). Neither the European Union nor the granting authority can be held responsible for them.

Follow **meta build** page
and share it with your
community!



Contact Info

- [Alexios Lekidis - Project manager, Energy Policy Unit - NTUA](#)
- [Francesca Genovesi - EU projects Officer - European Heat Pump Association](#)

European Heat Pump Association AISBL, Avenue de Cortenbergh 120, Brussels, B-1000, Belgium

[Unsubscribe](#) [Manage preferences](#)