

Advanced lightweight materials for energy efficient structures

Dear FOREST subscribers, thank you for following our project. We are very excited to be releasing our second Newsletter and sharing the latest news of our project with you!

COOPERATION

Meet our sister projects! The goal of project clustering is to improve the effectiveness of collaboration among projects that deal with similar subjects.

Our cluster group joined the **Horizon Results Newsletter**, an initiative of the **European Commission** which aims to bring a continual stream of innovation to the market and maximize the impact of public funded research within the EU.



The **r-LightBioCom** project has been selected under the EU's Horizon Europe research and innovation funding programme to develop new bio-based HPC with significantly reduced environmental impact throughout their entire life cycle, together with technologies and tools for sustainable composite design, modeling and processing.



SUSPENS project addresses the challenge of reducing the environmental footprint of sandwich and hollow composite structures for the automotive, leisure boat and aerospace industries. Their ambition is to take the mechanical performance of bio-based ingredients such as epoxy and polyester resins combined with natural and recycled fibres to an industry standard.



The **FURHY** project will develop a new, bio-based, smart and fully recyclable composite material, obtained by a fast and low-energy consumption out-of-autoclave process. The matrix will be made by a new bio-based epoxy resin formulation filled by expanded graphite (EG), that will have a multiple role in the enhancement of both material and manufacturing process, providing smart-functions.



ARTICLES

ENERGY INNOVATION MAGAZINE



We have released our very first publication, highlighting the project's insights, concept, and solutions in the Summer 2023 edition of **European Energy Innovation Magazine**, written by our partner **Zuzana Tatláková** from **EMIX TTE**.

Dive into the article to learn about FOREST's key insights and goals [here!](#)



The **FOREST** project has been featured in the latest issue of the **Fraunhofer IFAM Magazine**, as part of the trending topic of Sustainable material supply. Fraunhofer IFAM magazine covers trending topics at the Institute, economic key figures, and personal developments. You can download the Sustainable material supply topic in our **Documents** section or read the full issue [online](#).



The **FOREST** project has been featured in the **Chemicals Northwest Elements Magazine**, **Autumn Edition**. In the article, you'll discover how **Paul R. Jones**, Managing Director of **Anasara Ltd** and **Altra Ltd**, has not only secured the Queen's Award for Enterprise in Innovation but also received the inaugural King's Award for Enterprise 2023 for its groundbreaking work in specialty polymer manufacturing.

MEETINGS



On the 11th and 12th of July, the highly anticipated **FOREST** General Assembly meeting took place in the beautiful city of Bremen, Germany. Hosted by **Fraunhofer IFAM**, a renowned research institute, the event brought together partners from the **FOREST** consortium to discuss the progress and plans of the project.

Read the highlights of this two-day gathering [here](#).



One year after the launch of the **FOREST** project, partners gathered for a General Assembly meeting near Bordeaux, France in November. Hosted graciously by **Airbus Atlantic Composites**, this event showcased the progress made and laid out the road ahead for the project.

We invite you to read about the [meeting highlights](#) on our website!

NEWS & EVENTS

Visit our **News & Events** section on our website so you don't miss any project news that is updated every week!



FOREST had its banner prominently displayed at the **Catalist Science Discovery Museum** on 1st of August. The Catalist Science Discovery and Innovation Museum featured the **Basics to Net-Zero 2022** presentation by our **Paul R. Jones** from **Altra** in the main reception, educating everyone about the concept of Net-Zero.



FOREST was successfully presented at the **50th National Congress of Composites Materials (IMATCOMP 2023)** held in Dijon, France from June 13th to 15th by **Fernando Ramos** from **AirPLAS**. The IMATCOMP Congress, hosted by the University of Clermont, provided an incredible platform for researchers and companies to come together and drive progress in the field of composite materials.



The "Composites 360 conference: helping to decarbonize sectors" conference was co-organized by **AMPLAS**, in collaboration with **Magnus Versa Products**, **Esposito** and **Quercini Composites**. The event delved into the world of insightful discussions, a live demonstration carried out in a pilot plant and several exciting stories of new composite materials were presented.



Our partners from **AMPLAS** showcased our **FOREST** project at the **Mobility Innovation Valencia 2023**, a dynamic event that brought together mobility professionals from around the world, held on October 26-27th, 2023 in Valencia, Spain.



Our partners from **GEN2** represented the **FOREST** project at the **Advanced Engineering Show** on November 1-2, the UK's premier gathering of engineering and manufacturing professionals! They showcased the project's green materials at their stand, created by our partners **EMIX TTE**.



Our partner **Begoña Galindo Galana** from **AMPLAS** showcased the **FOREST** project in her presentation about sustainable fibre-reinforced solutions for eco-responsibility at the **18th edition of Fibre Resistance in Plastics** in Berlin, Germany, from November 28-29. Aimed at polymer suppliers, raw material providers, research institutes, associations, and the retailers plastics users, the event highlighted advancements in addition, compound formulations, and applications.



MERRY CHRISTMAS FROM FOREST!



FOREST CONSORTIUM

Discover our exceptional consortium, from universities, technology centres, research institutes, and leading companies. Visit our **Partners** page to learn more.



SUBSCRIBE!

To follow the project news and updates make sure to follow us on social media and subscribe to our newsletter so you don't miss the next one!

