



BIO-UPTAKE

In this fifth newsletter, we will focus on training. Indeed, as the European Bio-Uptake project moves towards the industrial adoption of bio-based composite solutions, skills development remains an essential pillar for ensuring effective implementation at the manufacturing level. If you are interested in this topic, other articles will follow so stay connected with us.

www.bio-uptake-project.eu

OUR PREVIOUS EVENT

Prepared for the Future

Biouptake was presented to high school communities in Batalha (Portugal) at the "Prepared for the Future" event. The University of Aveiro highlighted the urgent need to transition to a bio-based economy and demonstrated the superior environmental and human safety of biopolymers compared to their fossil-based counterparts.



NEWS

Training a skilled workforce for bio-based composites

Within **Work Package T1.4 – Training for a skilled workforce**, three intensive industrial training workshops have already been successfully delivered, targeting critical manufacturing processes and involving engineers and skilled technical staff across Europe.

Thermoset thermoforming CIDETEC – PODCOMP | September 2024

A three-day hands-on training combining theory and industrial trials. Participants were trained on Bio-Uptake intermediate formats and products, mould preparation and process set-up, followed by practical manufacturing using flax preregs with both commercial and Bio-Uptake epoxy systems. The parts manufactured during the training are currently undergoing testing.



Thermoplastic thermoforming COMFIL – CTB | May 2025

Hosted by COMFIL in Denmark, this workshop brought together engineers and skilled personnel from COMFIL Denmark and Romania, focusing on thermoforming processes and their scalability for industrial applications using bio-based thermoplastic composites.



Injection molding

AITIIP – Moses | May 2025

A dedicated training session addressing injection molding processes, with a strong focus on industrial feasibility, processing parameters and knowledge transfer to manufacturing teams.



A practical, industry-driven approach

All Bio-Uptake training activities are designed to:

- combine **technical theory with hands-on manufacturing trials**,
- address **real industrial constraints**,
- support **rapid upskilling of the workforce** for bio-based composite technologies.

To further extend access to knowledge, **digital solution trainings will also be made available through tutorial videos**, enabling wider dissemination beyond on-site workshops. By investing in skills and know-how, **Bio-Uptake actively supports European industry in adopting bio-based composite solutions at scale.**

More technical content on the training sessions will follow, so stay tuned!

NEXT EVENTS



BIO-UPTAKE

WEBINAR

BIO-UPTAKE PROCESSES AND PROSPECTS FOR SUSTAINABLE COMPOSITES

Advances and Lessons Learned in Injection Moulding, Thermoforming, Digitalisation and Environmental Performance of Bio-Based Composites

DATE February 9th, 2026

TIME (GTM) 9:00am - 1:00pm

Bio-Uptake Processes and Prospects for Sustainable Composites *Advances and Lessons Learned in Injection Moulding, Thermoforming, Digitalisation and Environmental Performance of Bio-Based Composites*

Join us for an **online Bio-Uptake webinar**, hosted by the **School of Engineering at the University of Limerick**, bringing together experts from **European industry and academia**.

Date: Online event

Time: 10:00 – 14:00 (GMT+1)

This webinar will highlight recent progress and key lessons learned on:

- Injection moulding and process upscaling
- Thermoforming of biobased thermoplastics and thermosets
- Digital tools and simulation for biomaterials manufacturing
- Environmental performance and life cycle assessment (LCA)

The event is open to all. Participants are welcome to **join and leave freely**, depending on the sessions of interest.

Discover how bio-based composites are supporting the transition towards a circular bioeconomy.

[Registration](#)

MORE INFORMATION ON BIO-UPTAKE

If you want to know more about us, visit our LinkedIn page to see the presentation of the different partners. You will discover most of the members involved in the project and their role with videos and images!

Stay connected with us and we will resume our content with another newsletter around the end of the month.

[Register to our newsletter](#)



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