

MoeBIOS Newsletter #4

From Barcelona to Marrakesh: MoeBIOS on the Road, and What's Coming in October

The last few months took MoeBIOS from a consortium meeting room in Barcelona to conference stages in The Hague and Marrakesh. Three very different audiences asked us three very different questions. Here is what we learned, and what we are asking you on 14 October.

Two years in: the Month 24 meeting in Barcelona

Last May, 21 partners from six countries gathered at DFactory Barcelona to mark MoeBIOS reaching its halfway point. Two days, three value chains, one shared direction: packaging, agriculture and textiles all got dedicated working-group time to dig into sorting methods, pre-treatment steps and demonstrator progress.



The MoeBIOS consortium in Barcelona for the Month 24 meeting, midway through building three circular value chains for bioplastics.

The most telling part happened outside the meeting room. The consortium visited Leitat Technological Center's facilities in Terrassa, where the team is training robotic grippers and picking systems to handle bioplastic waste of unknown shapes on a conveyor belt. Then it was on to PICVISA's Test Center in Calaf, where those same sorting methods get validated at pilot-line scale using AI-powered optical recognition.

Halfway through a four-year project, that is what "on track" actually looks like: not a status slide, but a robot arm sorting real material in front of the people who built it.

The Hague: what EUBCE 2026 says about where the bioeconomy is heading

In May, our coordinator ITENE attended the 34th European Biomass Conference and Exhibition in The Hague, where Sergio Clemente Castro presented a MoeBIOS poster on integrating bioplastic recycling into existing industrial systems.



At EUBCE 2026, Sergio Clemente Castro (ITENE) shared how MoeBIOS is tackling bioplastic waste across packaging, textiles and agriculture.

The message from the conference floor was clear: the bioeconomy conversation has moved on from "is this bio-based?" to "does this material actually work in a circular system?" A bio-based plastic that ends up in landfill delivers no more circular benefit than a fossil-based one. That is precisely the gap MoeBIOS is built to close, by fitting sorting, conditioning and valorisation into infrastructure that already exists rather than building something new from scratch.

Marrakesh: the hardest question about bioplastic textiles

In June, our partner Carlotta D'Aleo from Next Technology Tecnotessile presented MoeBIOS research at the AUTEX 2026 World Conference in Marrakesh, in front of professors, researchers and PhD students from a network spanning 51 universities in 36 countries.



Carlotta D'Aleo (NTT) presented our poster on recycling bio-based textile waste through mechanical and thermo-mechanical routes at AUTEX 2026.

One question kept coming up: how do you handle worn-out feedstock before recycling even begins? A PLA cup has a short, predictable life. A garment gets worn for two years, washed fifty times, blended with other fibres, and only then collected. NTT's answer combines two routes: a mechanical path turning shredded fibres into non-woven textiles, and a thermo-mechanical path producing pellets and yarns, with material quality tracked throughout using DSC and SEM analysis.

Save the date: Are recycled bioplastics the future? Have your say!

Now it is your turn to ask us the hard questions. On 14 October, starting at 11:00 CEST, MoeBIOS is running three interactive online sessions, one each for textiles, packaging and agriculture. Tell us what your sector needs from a recycling solution, and react directly to what we are proposing.



"Are recycled bioplastics the future? Have your say!" Three sector-specific online sessions on 14 October 2026.

External events to watch

Renewable Materials Conference 2026

22 to 24 September, Siegburg/Cologne, Germany (hybrid)

MoeBIOS is supporting a workshop session on 24 September, 11:20 to 12:50, alongside the ReBioCycle and Be-UP projects: "Rethink the circularity of your products! From Biodegradability to Recyclability." More information: renewable-materials.eu

EBC26, European Bioplastics Conference

1 to 2 December, Titanic Hotel Berlin, Germany (hybrid)

Europe's leading business and discussion forum for the bioplastics sector, bringing together the value chain, policymakers and research institutes. More information: european-bioplastics.org/events/ebc

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