



NEWSLETTER N°6
JUNE 2025

EDITO

WhiteCycle began 35 months ago, the dynamic and motivated team has made great strides toward the project's goal. It is with great pride that we welcome the WhiteCycle community to discover the consortium's latest achievements in this newsletter.

SUCCESS STORY

The countdown is on, we're excited to invite you to attend **Textiles Recycling Expo**, taking place **4-5 June in Brussels, Belgium!**

As a proud partner of the event, we're excited to reveal the official **showguide** for the upcoming **Textiles Recycling Expo!**

Get an exclusive first look at why **Textiles Recycling Expo** is the must-attend event of the year - explore the showguide below! But first, register for your **FREE tickets** to attend!

View the showguide here!

The showguide is your ultimate resource for navigating the event, featuring exhibitor details, our jam-packed conference programme, exciting show features, our Industry Alliance Hub, and that's just the start!

Simply secure your **FREE tickets** today to enjoy all these incredible features in-person alongside your industry peers.

We can't wait to see you there!



LET'S DISCOVER THE DIFFERENT PROJECT'S PARTNERS !

The consortium is composed of 16 european partners and their different fields of expertise. In this edition, you will find the presentations of Dynergie and Axelera.

Focus on Dynergie



Dynergie is today one of the main players in innovation in France. Its job: to accelerate the growth of the most beautiful companies that shape the world of tomorrow. Dynergie teams create innovative businesses, by intervening from the emergence phases of high-potential concepts to their deployment on the market, including the financing strategy of these projects.

In recent years, Dynergie has had the opportunity to structure and deploy on the market some of the finest national and international innovation projects, in sectors as varied as the media, industry, humanitarian, health, transport, culture, etc.

Because it is now essential and possible to combine economic impact with societal and environmental impacts, Dynergie plays this key role in the ongoing revolutions.

In short, Dynergie is a team of 100 innovation enthusiasts. Useful innovations, innovations that create growth, innovations working for a better world.

Role in the project :

Coordination in WP8 in support to Michelin.

[Learn More](#)

Focus on AXELERA



Axelera is the French cluster at the crossroads of the chemical and environmental sectors. It was created in 2005 in the Rhône-Alpes region of France. Axelera is committed to developing sustainable, efficient, circular and clean solutions for industry. Axelera's network of 400 members gathers expertise in:

- Materials, chemicals, equipment and system manufacturing;
- Equipment and systems manufacturing and integration;
- Process engineering, energy and resource efficiency, and regulatory compliance;
- Recycling/reuse of various industrial by-products and end-of-life products;
- Water, air, and soil depollution;
- Renewable raw materials;
- Digitalisation of industry.

Axelera is recognised as an "Innovative project factory." Two-thirds of Axelera's members are companies from start-ups to large multinationals, and 1/3 are RTOs and universities.

Role in the project :

Axelera will ensure the promotion of project objectives and results, events, opportunities via B2B meetings, workshops, newsletters and social media.

The communication, dissemination, strategic intelligence and networking with stakeholders actions will aim to convince targeted early adopters to invest.

[Learn More](#)

ABOUT WHITECYCLE

Focus on the pre-treatment of separated PET from tires

The waste pre-treatment is a very important step in the recycling process of the PET. Polyester or PET waste requires pretreatment, as enzymatic recycling is more effective when the plastic structure is easier to access. One approach is to extrude and then amorphize the PET waste beforehand. In this context, Michelin and IFTH work on pre-treatment process of the PET from tire complex waste.

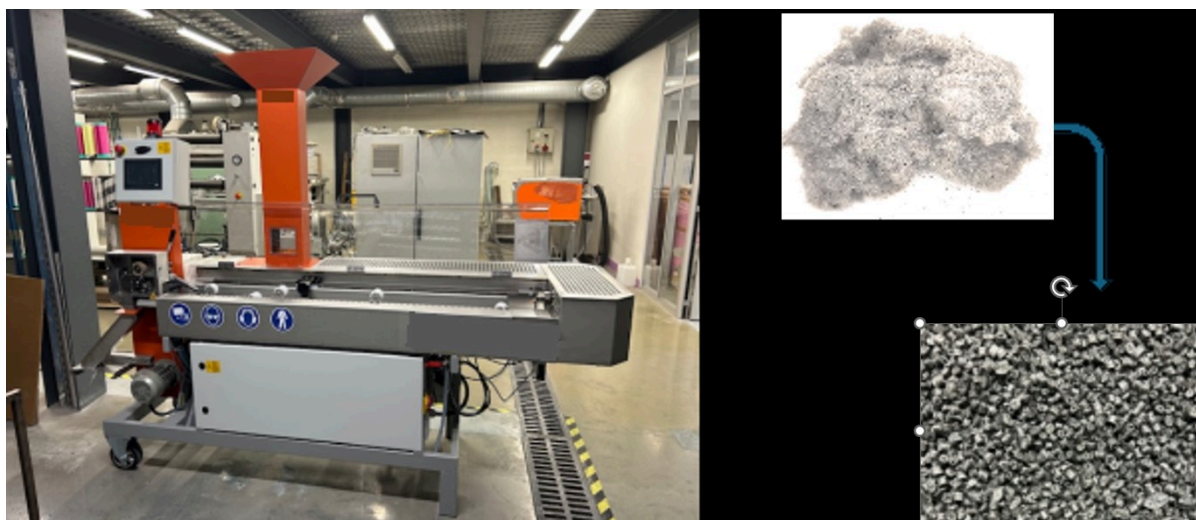
The process to amorphize this feedstock is realized by thermal treatment with a specific equipment called "thermogranulation machine".

Last few months, Michelin and IFTH have set up and improved the process to obtain amorphized pellets from PET fibers. At lab scale, the work focused on

testing few parameters and conditions to lower the crystallinity despite the contaminants such as rubber or other fibers. The lab scale depolymerization results have highlighted relevant conditions which have been scaled up in order to produce amorphized pellets from tire fibers.

During the next few months, these amorphized pellets will continue the recycling closed loop from depolymerization to a new technical yarn.

[Learn More](#)



WHAT'S NEW ?

- The Lifecycle of Textile Lay-Flat Hoses and WhiteCycle's Circularity Strategy
- Empowering Future Innovators

AGENDA

4th-5th June 2025 - Textiles Recycling Expo 2025, Brussels, Belgium

[Find out more](#)

29th September 1st October - ECOSYSTEM Conference, Gothenburg, Sweden

[Find out more](#)

1st October 2025 - 7th European Recycling Conference (ERC), Hamburg, Germany

Conference on WHITECYCLE project will take place at 11h, October 1st.

[Find out more](#)

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Stay tuned in 2025 to keep up with the progress of the project

www.whitecycle-project.eu/

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