

**EnXylaScope**Transforming Xylans:
EnXylaScope's Latest Breakthroughs

Message from the coordinator

As the EnXylaScope project approaches its conclusion, AITIIP is proud to reflect on a journey that has been as ambitious as it has collaborative. Over the past four years, our consortium has worked tirelessly to unlock the potential of debranched xylans-transforming them into sustainable, functional ingredients for everyday applications.

From the outset, EnXylaScope was more than a scientific endeavor. It was a shared mission to innovate responsibly, guided by the values of environmental stewardship, stakeholder engagement, and European cooperation. The project brought together a diverse network of partners—from research institutes and SMEs to industrial leaders—each contributing their expertise to a common goal: making xylans a viable and eco-friendly alternative in multiple sectors.

One of the most rewarding aspects of this journey has been the spirit of collaboration. Whether through joint deliverables, advisory board meetings, or cross-sectoral workshops, the consortium has fostered a culture of openness and mutual support. This synergy has not only accelerated technical progress but also strengthened our collective capacity to address regulatory, market, and consumer challenges.

The results speak for themselves. EnXylaScope has successfully demonstrated the compatibility of xylans with existing formulations, explored their bioactive potential, and laid the groundwork for future applications. Our dissemination efforts—including press releases, social media campaigns, and stakeholder events—have reached thousands across Europe, amplifying the project's visibility and impact.

As coordinator, AITIIP is deeply grateful for the dedication of all partners and the trust placed in us by the European Commission. The extension of the project until August 2025 has allowed us to consolidate our findings and prepare for the final reporting phase with confidence.

We look forward to continuing this momentum beyond EnXylaScope—through new collaborations, spin-off initiatives, and knowledge transfer activities that will ensure the legacy of the project endures.

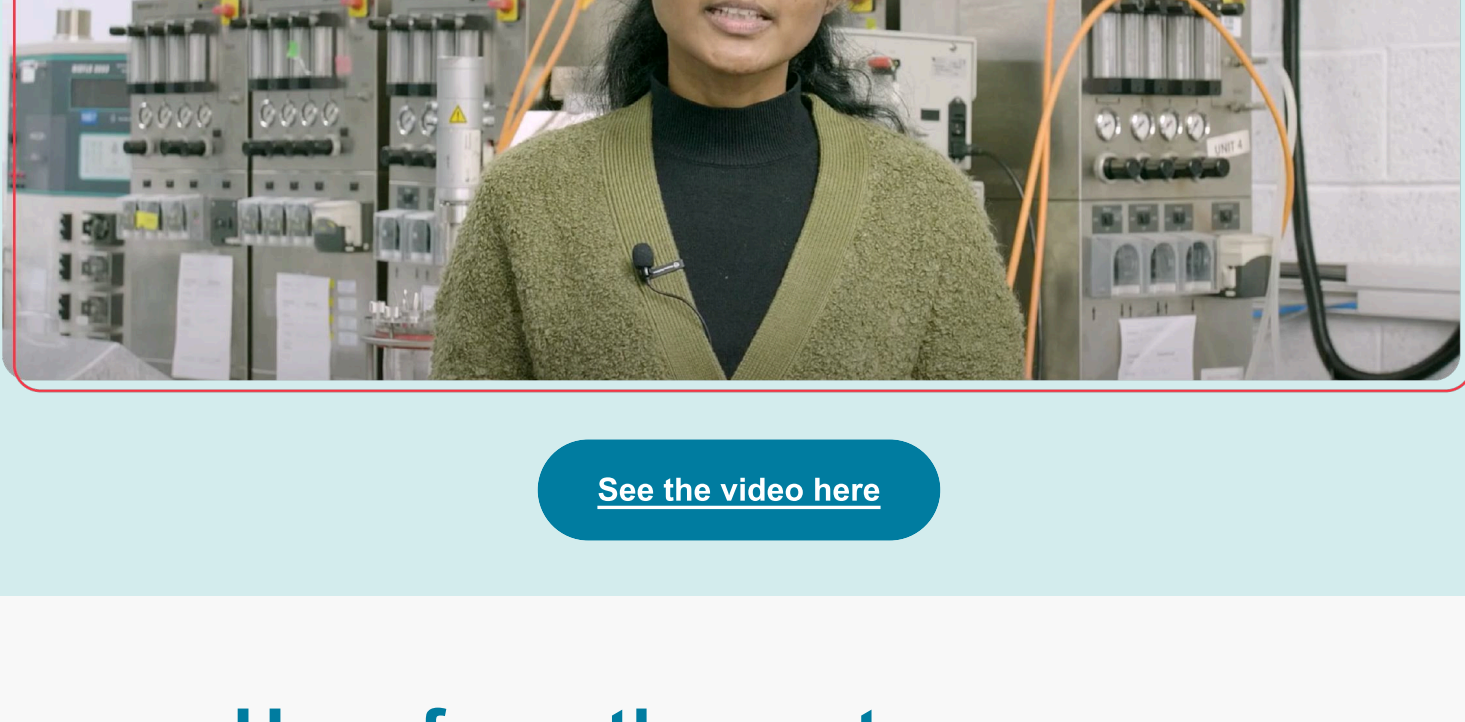
Thank you for being part of this journey.

Results from our work

In this latest newsletter, we're doing things a little differently. We've handed the mic to our project partners so you can hear directly from them. Through a series of short interviews, they share what ENXYLASCOPE means to them and why it stands out as a project driving sustainable innovation with Xylans in the bio-based sector.

Xylans unveiled: our short documentary (LOBA)

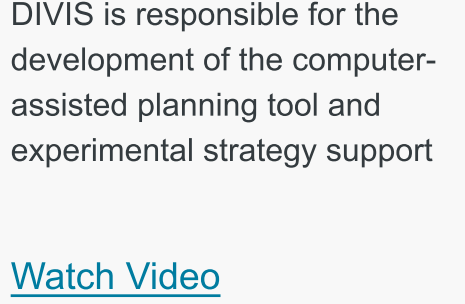
We travelled to Ireland to capture, frame by frame, the fascinating journey of xylan extraction and transformation in the lab—uncovering how these natural polymers are being harnessed for sustainable applications. While there, we sat down with the scientific coordinators from CELIGNIS to explore the discovery process, the technology behind it, and what lies ahead for this breakthrough in green innovation.

[See the video here](#)

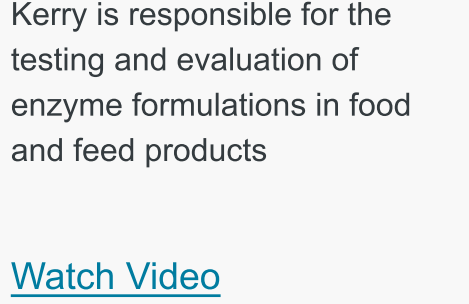
Hear from the partners (LOBA)

From computer-assisted selection of enzyme cocktails to lab experimentation, Xylan transformation, and real-world applications - our partners have plenty of stories to share with you!

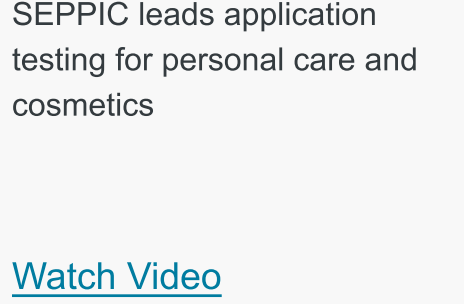
See the interviews below:



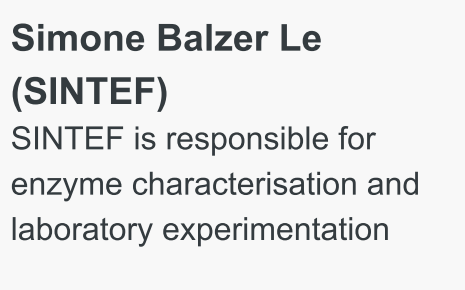
Peter Krause (DIVIS)
DIVIS is responsible for the development of the computer-assisted planning tool and experimental strategy support

[Watch Video](#)

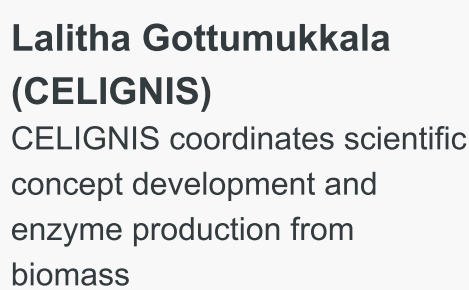
Laura Guaras (Kerry)
Kerry is responsible for the testing and evaluation of enzyme formulations in food and feed products

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Arnaud Masselin (SEPPIC)
SEPPIC leads application testing for personal care and cosmetics

[Watch Video](#)

Simone Balzer Le (SINTEF)
SINTEF is responsible for enzyme characterisation and laboratory experimentation

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Lalitha Gottumukkala (CELIGNIS)
CELIGNIS coordinates scientific concept development and enzyme production from biomass

[Watch Video](#)

Knowledge in the palm of your hands

Business case tool (LOBA)

This toolkit provides a concise guide for businesses in the biochemistry and biotechnology sectors to adopt innovative circular economy solutions and specifically EnXylaScope outcomes. The reader will discover the market trends in biotechnology, how to be part of the transformation and information about how to implement specific innovations.

[Find the resource here](#)

E-lessons (AITIIP)

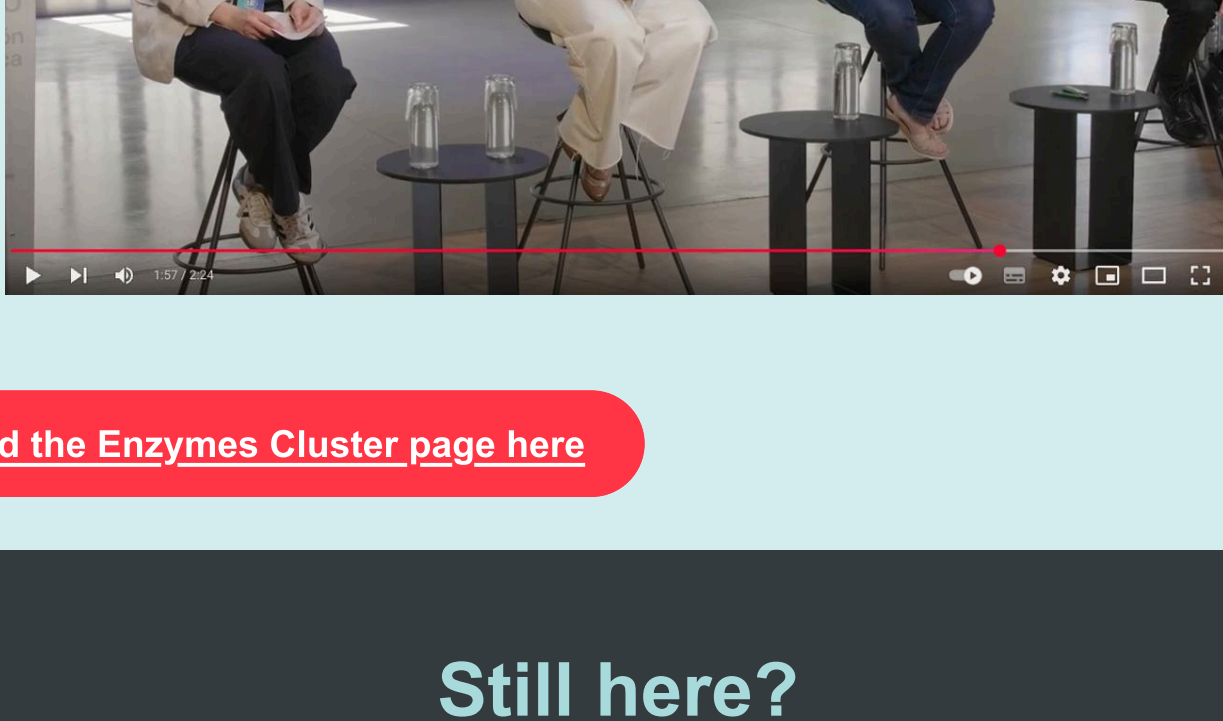
As part of EnXylaScope's legacy, we invite you to enrich your knowledge and dive into the fascinating world of enzymes and xylans - where nature's power is transformed into real applications that can shape a more sustainable future. Our e-learning modules offer an accessible entry point into the science behind green innovation, from enzyme design to bio-based solutions in food, feed, cosmetics, personal care and beyond:

- Module 1 (10h, 5 Units): Biobased cosmetics and personal care products
- Module 2 (10h, 5 Units): Novel functional foods and nutraceuticals produced using enzymes
- Module 3 (10h, 5 Units): Enzymes and safety of products developed using enzymes

[Access the e-lessons here](#)

Sharing excellence across Europe: the enzymes cluster (LOBA)

One of the major successes of EnXylaScope has been its ability to foster strong collaboration, despite being a research- and innovation-driven EU-funded project. From early on, we built solid bridges with other projects funded under the same call, contributing actively to the Enzyme Cluster. If you missed our joint activities and would like to learn more, visit our dedicated page below—and don't forget to watch the joint conference video:



[Find the Enzymes Cluster page here](#)

Still here?

EnXylaScope's funded period may be over, but the project's legacy is here to remain, and our motivation will accompany every curious inquiry! In the coming years, the consortium will remain available to answer to questions through the contact form of the website, while at the same time keep fighting for Xylans to win the place they deserve in market applications.

Partner organisations of the Enxylascope Project



more information at

www.enxylascope.euinfo@enxylascope.eu

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