09 – 11 Oct. 2025 Düsseldorf, Germany

HANDBOOK

Organized by

Renewable Carbon Plastics MAGAZINE

Table of contents

09 – 11 October 2025 Düsseldorf / Germany

BIOPLASTICS BUSINESS BREAKFAST B3

Dear Attendee,

on behalf of Polymedia Publisher, I'd like to welcome you to Düsseldorf. We are convinced that the three **Bioplastics Business Breakfasts** will provide you with the most recent development you need to evaluate the possibilities and challenges of renewable carbon based plastics as a sustainable alternative material.

In order to help us improve future events of this kind, we kindly ask you to complete the online-evaluation form that you find at:
https://tinyurl.com/evaluation-BBB2025

Conference books are often thick, heavy and difficult to transport. For this reason and for improved sustainability we did not print all presentations in the book, but rather just abstracts and space for your personal notes. And we did not prepare CDs or USB-Sticks (flash drives).

However, all presentations and further information will be made available for download to the delegates and speakers. Approximately two weeks after K'2025 we will send you a link to download the latest versions of all presentations of 'your' Bioplastics Business Breakfasts as they were presented during the meeting (if approved by the speaker).

As we record and broadcast all presentations a Video-on-Demand playlist will also be made available for you.

You received a complimetary voucher for a ticket to access K'2025. If you activated it already online you should know the next steps. If not, please look in the foyer of CCD South for assistance how to activate the voucher and how to get your ticket. Other than in previous K-years, public transportation in Düsseldorf is no longer free of charge.

If you would like to know more about Polymedia Publisher and Renewable Carbon Plastics Magazine don't hesitate to contact me or our staff. Feel free to take one or more sample copies of the magazine from our displays and/or visit us in hall 7a at booth B10 (European Bioplastics). I'm looking forward to meeting you and to a hopefully fruitful meeting for all of you.

Yours sincerely

Alex Thielen

Publisher Renewable Carbon Plastics

Conference Team

Your conference team will try to help you in everything you need.

Michael Thielen
Head of Conference Team,
Publisher and Editor of
Renewable Carbon Plastics /
bioplastics MAGAZINE

Alex Thielen
Conference Team,
Editor-in-Chief of
Renewable Carbon Plastics /
bioplastics MAGAZINE

Philipp Thielen
Conference Team,
Creative Director and
Digital Operator of
Renewable Carbon Plastics /
bioplastics MAGAZINE

Samuel Brangenberg
Conference Team,
Reporter for
Renewable Carbon Plastics /
bioplastics MAGAZINE

General Information

Here we answer some of the frequently asked questions and provide useful information for the meeting.

Name Badges
On-site attendees, please be so kind to always wear your badge to make it easier for everyone to start networking. The badge shows your name and company name.

Venue
The Meeting room is Room 19, Hall 1 (CCD South).
It is located upstairs in hall 1 via the South (Süd) entrance building of the Düsseldorf Fairgrounds. We are outside the fair area, so no fair ticket is needed to access the meeting.
For entrance into K'2025 you need a ticket. You should have received a voucher code.

Evaluation Forms
In order to help us improve future events of this kind, we kindly ask you to complete our evaluation form. It is an online form that you find at:
https://tinyurl.com/evaluation-BBB2025
You can also scan the code below.

Delegate Lists
A list of all delegates, speakers, journalists, and staff is part of your material. Please note that this list is for your personal use only. Should you want to get in touch with one of the attendees after the conference, we suggest using the Whova app and platform.

Refreshments, Coffee/Tea
Each refreshment break will be held inside or just outside the meeting room.

Programme
The programme, with full conference timings, is available in this conference book. The chairperson will advise on any changes to the published timings. The latest updates can also be found in the **Pheedloop** app and platform (https://site.pheedloop.com/event/BBB2025/home).

Questions
We encourage delegates to ask questions throughout the conference and recommend you prepare possible questions to ask each speaker. The question will be answered in joint Q&A sessions at the end of each presentation session.
We use the **Slido** platform for questions, so on-site and online attendees can ask questions the same easy way. No download is needed. If you know Slido, just use **#BBB25** or open the website: https://tinyurl.com/slido-bbb25
Of course on-site attendees can also raise their hand during each Question and Answer session and ask questions themselves. Please wait until a microphone is handed to you and state your name and company before you ask your question.

Smoking
The conference venue is designated a non-smoking area, we do ask delegates to respect this. If you would like to smoke, you must leave the building.

Messages
Any messages taken throughout the conference will be forwarded to you at the earliest opportunity.
Please have a look at the announcements function on the Pheedloop app/platform.

Recording
We will record the presentations and offer these in form of a "video-on-demand" for at least three months after the event, in order to accommodate for different time zones of the online attendees (if approved by speakers). Other attendees are only allowed to make recordings with the permission of the Organizers. Should you want to object to any publication of a photograph or video clip where you are visible, please tell our staff. If you do not object, we assume your consent for publication.

Mobile Phones/Smartphones
Please make sure that all mobile phones are turned off or set to "mute" during the conference sessions. This is a minimum of politeness and respect to all speakers and other delegates.

Valuables/Security
Polymedia Publisher cannot take responsibility for any valuables, personal luggage, or notes left in the meeting room or registration area. Please do not leave any possessions/baggage unattended at any time.

Free Wi-Fi
Free Wi-Fi is available. As the total bandwidth is limited, please do not use more than one device per person.

Anti-Trust
Polymedia Publisher will not enter into any discussion, activity or conduct that may infringe, on its part or on the part of its participants any applicable competition law.
By way of example, participants shall not discuss, communicate or exchange any commercially sensitive information, including non-public information relating to prices, marketing and advertising strategy, costs and revenues, trading terms and conditions with third parties, including purchasing strategy, terms of supply, trade programmes or distribution strategy. This applies not only to discussions in formal meetings but also to informal discussions before, during and after meetings.

Evaluation Forms

Questions via Slido

Programme

Thursday, October 9th, 2025

08:00-08:05	Michael Thielen	Welcome remarks
08:05-08:25	Niklas Voß, FKuR	Latest developments for renewable carbon based plastics for packaging applications
08:25-08:45	Caroli Buitenhuis, Green Serendipity	No brainers for brand owners – a future packaging perspective
08:45-09:05	Susan Zhu, HMF	FDCA a true game changer for the industry
09:05-09:25	Daniel Ganz , Sukano	Future-ready packaging with Sukano antiblock enabling barrier functionality for BOPLA
09:25-09:35	Q&A	
09:35-09:55	Sherry Xu, PHAbuilder	PHA Ecosystem Driven Packaging Innovation: PHAmily – PHAdustry – PHAbrary – PHA Life
09:55-10:15	Hugo Vuurens, CJ Biomaterials	PHA solutions to meet REACH regulations banning intentionally added microplastics
10:15-10:35	Stan Hafka, Kaneka	Plant based and biodegradable innovations for the packaging industry
10:35-10:45	Q&A	
10:45-11:05	Coffee / Networking break	
11:05-11:25	Julian Schmeling, Natureworks	Make paper better with Ingeo
11:25-11:45	Brendan Hill & Tim Wagler, Braskem	LCA-backed biobased materials deliver real carbon reductions for more sustainable brands
11:45-12:05	Andrew Gill, Floreon	Performance bioplastics for the circular economy
12:05-12:25	Katja Wodjereck, Vioneo	Scaling up green methanol for fossil-free PP and PE at commercial level.
12:25-12:30	Q&A	

Friday, October 10th, 2025

08:00-08:05	Michael Thielen	Welcome remarks
08:05-08:25	Eleonore Moeller, Arkema	Latest developments in castor oil based PA 11 for durable markets
08:25-08:45	Philippe Dewolfs, TÜV Austria	Carbon isn't the enemy. Fossil carbon is.
08:45-09:05	Annika Huomo, Borealis	Circular and biobased polyolefins – exploring new opportunities
09:05-09:25	Alberto López Gil, CellMat Technologies	Novel and advanced foamed bioplastic solutions for packaging and durable applications
09:25-09:35	Q&A	
09:35-09:55	Mosha Zhao, Covation Bio	The role of bioPTMEG in high-performance sustainable footwear and apparel applications
09:55-10:15	Kristel Beckers, TotalEnergies Corbion	New PLA grade for the meltblown process
10:15-10:35	Frank Eisenträger, INEOS Styrolution	Strongly reduced footprint: sustainable styrenics excel!
10:35-10:45	Q&A	
10:45-11:05	Coffee / Networking break	
11:05-11:25	Matias Sacristan, Lubrizol	New biobased and mass balance TPU grades – a milestone in sustainability
11:25-11:45	Nick Sandland, Algenesis	Commercializing novel biobased and biodegradable Polyurethanes – high performance and circularity
11:45-12:05	Jörg Dörrstein, Biofibre GmbH	A next generation of doll production – using renewable ressources and co-development to achieve sustainability goals
12:05-12:25	Ramani Narayan, Michigan State University	Biocarbon content and mass balance
12:25-12:30	Q&A	

subject to changes

Programme

Saturday, October 11th, 2025

08:00 – 08:05	Michael Thielen	Welcome remarks
08:05 – 08:25	Michal Ciok, DIN Certco	Unlocking sustainable solutions: the path to certification
08:25 – 08:45	Ines Zribi, Normec OWS	Testing the future: rethinking biodegradation in product design
08:45 – 09:05	Christian Lott, HYDRA	Solutions beyond compostability: The need for environmentally biodegradable plastics
09:05 – 09:25	Henk Vooijs, Compostable by Design Platform	Opportunities for compostable packaging under the PPWR
09:25 – 09:35	Q&A	
09:35 – 09:55	Patrick Zimmermann, FKuR	The fairytale of a circular economy – why biobased materials are the only logic.
09:55 – 10:15	Hanns-Jorg Bentele, SK Chemicals	Driving circular progress: CR (chemical recycle)-PET technology for a sustainable tomorrow
10:15 – 10:35	Pauliina Sariomaa, NG Nordic	Reborn from the Ruins: INGA – Plastic born from CO_2
10:35 – 10:45	Q&A	
10:45 – 11:05	Coffee / Networking break	
11:05 – 11:25	Geoffroy Delvinquier, Futerro	Closing the loop: scaling up PLA recycling
11:25 – 11:45	Anthony Keyes, Natur-Tec	Development and performance of soil biodegradable end-of-life products for agricultural applications
11:45 – 12:05	Robert I. de Jong, Solinatra	It's time to modernise the resin identification code (RIC)
12:05 – 12:25	Hiroyuki Ueda, Mitsubishi UFJ Research and Consulting Japan	Necessity of policies to promote biobased plastics to achieve the net-zero target
12:25 – 12:30	Q&A	

subject to changes

BIOPLASTICS BUSINESS BREAKFAST

Speaker Biographies

Abstracts for your personal notes

2 & 3 JUNE 2026 › MUNICH › GERMANY
HYBRID EVENT

SAVE THE DATE

9TH PLA World Congress 2026

organized by

Renewable Carbon Plastics MAGAZINE

bioplastics MAGAZINE.COM

CALL FOR PAPERS

PLA is a versatile bioplastics raw material from renewable resources. It is being used for films and rigid packaging, for fibres in woven and non-woven applications, injection moulded toys, automotive applications, consumer electronics and in many other industries. Innovative methods of polymerizing, compounding or blending PLA have broadened the range of properties and thus the range of possible applications.

That's why **Renewable Carbon Plastics** (also known as bioplastics MAGAZINE) is now organizing the **PLA World Congress** in its 9th edition.

Experts from all involved fields will share their knowledge and contribute to a comprehensive overview of today's opportunities and challenges and discuss the possibilities, limitations and future prospects of PLA for all kinds of applications. Like the eight previous congresses the **9th PLA World Congress** will also offer excellent networking opportunities for all delegates and speakers as well as exhibitors of the tabletop exhibition. Based on our good experiences the conference will again be a hybrid event. Participation is possible on-site in Munich as well as online via live streaming or a recording of all presentations after the event.

www.pla-world-congress.com

Thursday, Oct. 09th, 2025 | 08:05 – 08:25

Latest developments for renewable carbon based plastics for packaging applications

Niklas Voß, FKuR

Biography

Niklas studied in Darmstadt, specializing in plastics technology, and earned a degree as a Dipl. Ing. (FH) in plastics technology.

Following his education, he worked for approximately ten years in various roles at a recycling company that develops and sells technical compounds for the automotive sector. Throughout his tenure, he held several positions, including laboratory manager, deputy production manager, and quality management (QM) manager.

He has been with FKuR, where he has taken on the role of Associate Sales Director since 2019. In this position, he is responsible for managing sales in the DACH region (Germany, Austria, Switzerland) and parts of Eastern Europe.

Abstract

The new EU Packaging and Packaging Waste Regulation (PPWR) is at the centre of current discussions, offering a bold vision for a circular future in plastics. Recycling plays a key role in this transformation – but how feasible are the proposed measures in practice? Can recycled materials alone meet all functional and environmental demands, or do we also need bioplastics as part of the solution?

This presentation explores the role of bioplastics within the framework of the PPWR and highlights where they provide real added value – whether through carbon footprint reduction, functional performance, or as a viable alternative where recyclates fall short. Through practical examples, we will demonstrate why bioplastics are not just an option, but a necessary component of a truly sustainable plastics strategy.

Thursday, Oct. 09th, 2025 | 08:25-08:45

No brainers for brand owners – a future packaging perspective

Caroli Buitenhuis, Green Serendipity

Biography

Caroli Buitenhuis is the founder of Green Serendipity, an international consultancy specialising in biobased materials, offering expertise and insights in the field of sustainable, fossil-free packaging and products.

Educated as a packaging professional, Caroli has built her career around addressing global plastics challenges. She is recognised as a leading expert in sustainable packaging, biobased materials, and microplastics prevention.

In addition to her consultancy work, Caroli is an active writer and organiser of events and workshops on bioplastics for packaging and products, creating platforms for professionals and stakeholders to exchange knowledge, ideas, and best practices.

She is also the initiator of the Bioplastics Hub – the world's first hub dedicated to connecting value chains for bioplastics in packaging and products. This Hub serves as an info & expo centre with a wide collection of biobased packaging and product samples, complemented by advisory services.

Caroli is a judge for the Sustainable Packaging Awards for Packaging Europe (and formerly for the Dutch Packaging Awards), and has been co-organiser of the bio!PAC conferences as well as the Bioplastics Business Breakfast. Today, she takes the stage as a speaker.

Abstract

Retailers, brand owners, and multinationals increasingly recognize that their reliance on plastic packaging damages brand image when it contributes to global pollution, microplastics, CO_2 emissions, and ultimately even climate change. Yet making packaging more sustainable is far from simple. Numerous challenges arise, particularly when working with new materials such as bioplastics.

In this presentation, Caroli Buitenhuis (Green Serendipity) will provide practical insights into current developments in bioplastics for retail packaging. Through real-world examples, she will highlight not only the latest innovations but also show no-brainers and how these fit within the circular economy and why we should embrace the unique properties of these new biobased packaging materials.

Thursday, Oct. 09th, 2025 | 08:45 – 09:05

FDCA a true game changer for the industry

Susan Zhu, HMF

Biography

Susan Zhu is a passionate and driven market expert with years of experience in the furan biobased material industry, a versatile and resilient business leader with a strong combination of business, commercial and technical skills.

She has been working in the identification, evaluation, and development of furan biobased new business opportunities and partnerships across different markets and regions.

The current company, Zhongke Guosheng (short for GS Biomats), the key mission is to contribute to the transition to a circular and biobased economy, and to create value and impact for the society and the environment.

Abstract

We are proud to present our pioneering advancements in biobased furan new materials, mainly 5-Hydroxymethylfurfural (HMF) and its downstream derivatives 2,5-Furandicarboxylic Acid (FDCA), positioning our company as a global leader in sustainable innovation. Leveraging cutting-edge technology, we have successfully developed and commercialised FDCA, which is now being supplied to markets worldwide.

This presentation will highlight the key applications of FDCA, showcasing the versatility and performance in sectors such as packaging, textiles and personal care products. By replacing conventional materials with our renewable, high-performance solutions, we are driving the transition toward a circular economy and reducing the environmental footprint of industrial processes. Additionally, we will provide a brief overview of our proprietary continuous production process & the "SMART" catalytic system, a groundbreaking innovation that ensures scalability, efficiency, and consistency in manufacturing.This process underscores our commitment to sustainability and positions us as a leader in the industrial-scale production of biobased materials. Join us to explore how our technology and products are driving the future of sustainable materials worldwide

Thursday, Oct. 09th, 2025 | 09:05 – 09:25

Future-ready packaging with Sukano antiblock enabling barrier functionality for BOPLA

Daniel Ganz, Sukano

Biography

Daniel Ganz is the Senior Global Product Manager for Bioplastics at Sukano, a leading international specialty masterbatches company based in Switzerland.

He joined forces with the founder of Sukano over 30 years ago. With his vision and passion for innovative applications, processes and materials, Daniel leads Sukano into new market applications to enable monomaterial packaging and product design, as well as alternative end of life for products through masterbatches and compounds innovative performances.

Daniel holds a bachelor degree in chemical engineering, in addition to a business management degree. In his free time, he can be found on a hot air balloon trips observing the Alps.

Abstract

Compostable packaging is on the rise, driven by regulation and consumer demand. To support this shift, Sukano launched the Sukano Transparent Antiblock masterbatch for high-performance BOPLA. It reduces friction and boosts printability, streamlining secondary processing.

By enabling efficient production of transparent BOPLA films with up to 7x transverse stretch on existing BOPP equipment. This masterbatch makes BOPLA a scalable, market-ready solution for compostable single-use packaging applications.

Thursday, Oct. 09th, 2025 | 09:35 – 09:55

PHA ecosystem driven packaging innovation: PHAmily – PHAdustry – PHAbrary – PHA life

Sherry Xu, PHAbuilder

Biography

As the Chairwoman of PhaBuilder, Sherry. Xu is committed in deploying innovative management system and accelerating global business expansion, aiming to advance PhaBuilder as a global leading synthetic biology company.Ms. Xu believes that PhaBuilder will bring great value to the society with the vision of “From Microbes to a Green Future.” With “Next Generation Industrial Biotechnology” as its technical engine, PhaBuilder will create high-performance materials for multitude of industries and in numerous applications. She has defined PHA Life TM as a new life style, and aims to accelerate the world toward a green future.Ms. Xu has dedicated her career to ESG and sustainability.

She has 20+ years of management experience in Fortune 500 companies (Siemens, Carrier). With an international perspective, she has led businesses in achieving digital transformation and low-carbon objectives. She also established and advanced the Nearly Zero Energy Building standard in China. Moreover, she has developed innovative solutions which were demonstrated in flagship projects around China. She has gained extensive experience in the strategic planning, product marketing, solution & service business and supply chain integration of multinational enterprises.

Abstract

Sherry Xu will outline PhaBuilder’s vision for a comprehensive PHA ecosystem, tracing the value chain from "PHAmily to PHA Life." This framework underscores the company’s ambition and technological leadership in advancing biodegradable materials globally.

The PHAmily platform houses over 40 distinct PHA materials, spanning short-chain (scl-PHA) to medium-chain (mcl-PHA) types, with tunable properties (e.g., degradation rate, crystallinity) to meet diverse application needs. PHAbrary leverages copolymerization and composite reinforcement to optimize material performance, overcoming commercialization barriers. PHAdustry operates China’s largest PHA production lines (10,000-tonne annual capacity), integrating digital systems for fermentation and purification to enable efficient, cost-controlled industrial-scale manufacturing. PHA Life drives real-world adoption by embedding PHA in consumer products (e.g., packaging, medical devices), transforming scientific innovation into sustainable lifestyles.

Mrs Xu emphasized that the closed-loop ecosystem – PHAmily → PHAbrary → PHAdustry → PHA Life – bridges R&D, production, and commercialization, positioning PhaBuilder as a holistic enabler of the global green materials transition.

Thursday, Oct. 09th, 2025 | 09:55 – 10:15

PHA solutions to meet REACH regulations banning intentionally added microplastics

Hugo Vuurens, CJ Biomaterials

Biography

Hugo Vuurens started his career at DSM on polyester and epoxy coating resins. After working for various companies, he has been active as consultant and business developer in the biopolymer industry for 15 years (Hugo worked 12 years for Total-Corbion PLA), since 2022 for Korean headquartered CJ Biomaterials as Vice President of business development EMEA for PHA. Hugo holds a master's in chemical technology from Delft University of Technology, an MBA from IMD Lausanne. Hugo likes taking walks in the forest with his dog and collecting waste while he walks.

Abstract

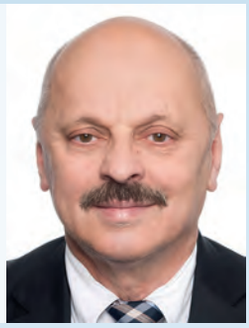
PHAs are natural polymers and are marine and soil degradable. As such, they are not a risk for any applications designed to be left in nature or with a high risk of ending up in nature. CJ Biomaterials produces two grades of 100 % biobased PHA.

In this presentation, we will present a comparison of the degradation speed of PHA compared to other polymers and several compounds and examples of applications where PHA can make a difference.

Thursday, Oct. 09th, 2025 | 10:15 – 10:35

Plant based and biodegradable innovations for the packaging industry

Stan Hafka, Kaneka



Biography

Stan Haftka. Chemist by education. More than 35 years' experience within the polymer industry. Began his professional career at the Hoechst AG at the polymer physic department.

ecades of international business development, and business leadership experience at Hoechst AG, Ticona and Celanese.

Finally 20 years presence at the global bioplastic market working for companies like Telles, Metabolix and BIO-FED. Since begin of 2024 business development manager at Kaneka Green Planet.

Abstract

As the demand for sustainable packaging solutions grows, KANEKA Green Planet™, a pioneering polyhydroxyalkanoate (PHBH) biopolymer, offers an innovative alternative to traditional plastics. Derived from biobased feedstocks such as used cooking oil, Green Planet provides a truly circular solution for eco-friendly packaging. Unlike conventional plastics that persist indefinitely, it breaks down under specific conditions where micro-organisms are present, such as compost (home and industrial), anaerobic digestion, soil, and marine environments, ensuring durability in use and efficient decomposition at end of life.

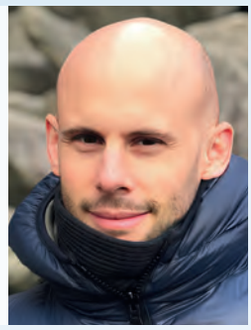
In addition, PHAs are polyesters and can be effectively sorted and recycled, which is a requirement under the upcoming Packaging and Packaging Waste Regulation, further reinforcing their role in circular economy models.

Beyond regulatory alignment, Green Planet contains no harmful additives and meets strict global food safety standards. More than just a biodegradable plastic, by combining biobased origins, composability, recyclability, microplastic-free, and product safety, Kaneka Green Planet ticks all the boxes, no matter what end-of-life option is required.

Thursday, Oct. 09th, 2025 | 11:05 – 11:25

Make paper better with Ingeo

Julian Schmeling, Natureworks



Biography

Julian has over 15 years of experience working with biopolymers in various technical and commercial roles at FKuR and Mitsubishi Chemical.

Julian is currently working as an applications development engineer at NatureWorks.

He is responsible for new product development and technical customer support for the European market.

His current focus is on the development of paper coating applications, which he is going to present today.

Abstract

"The packaging industry is experiencing a strong trend toward paperization, shifting from plastic-based flexible packaging to paper. To maintain barrier properties and mechanical performance, these paper structures are often coated or laminated. At the same time, it must comply with regional end-of-life requirements. The PPWR in Europe sets a high benchmark for product recyclability, while other regions are prioritising compostable solutions.

The presentation will highlight the latest innovations that NatureWorks has developed to support packaging producers in meeting these challenges by combining product performance with sustainability. With Ingeo™ Extend, NatureWorks enables brands and converters to deliver clean-label, recyclable, and compostable paper packaging and food serviceware."

Thursday, Oct. 09th | 11:25 – 11:45

LCA-backed biobased materials deliver real carbon reductions for more sustainable brands

Brendan Hill & Tim Wagler, Braskem

Biography

Tim Wagler is leading the commercial activities of Braskem in the EMEA region and is responsible for the I'm greenTM biobased products. In recent years, his primary objective has been to facilitate the packaging industry's shift towards a more sustainable future through the adoption of biobased polymers.

Brendan Hill, Sustainable Market Development & Sales for EMEA at Braskem. For the last 10 years, at Braskem, Brendan's focus has been centred around the I'm green™ biobased polyethylene, made from sugar cane, and in more recent years, adding other circular solutions under the corporate brand and recently launched brand, Wenew. Brendan has a background in finance and retail banking in his native South Africa and is currently based in Europe. He is an experienced commercial specialist with a history of working in the finance and plastics industry, representing major brands and major polymer suppliers in different sales and marketing roles, all with value selling at its heart.

Abstract

Biobased plastics, such as I'm green™ biobased, play a vital role in reducing carbon footprints and addressing Scope 3 emissions across industries.

This session will examine the key growth barriers for biobased solutions while highlighting their measurable impact when integrated into end-products and applications.

Participants will gain practical insights into how these materials enable brand owners to advance sustainability goals and build stronger consumer trust.

Thursday, Oct. 09th, 2025 | 11:45 – 12:05

Performance bioplastics for the circular economy

Andrew Gill, Floreon

Biography

Andrew Gill is Technical Director at Floreon, having joined the company in 2011 as a researcher.

With a first degree in chemistry, Andrew completed his PhD in Materials Science at the University of Sheffield (UK) focused on medical applications for PLA via additive manufacturing.

Today Andrew leads the continuing development of Floreon's innovative technology and is responsible for numerous patent applications and newly developed compounds. He works closely with Floreon's licensed compounding partners as well as end users of the technology in to help them transition to renewable and low carbon materials.

Abstract

It is a guiding principle of the circular economy to preserve the value of materials for as long as possible. With this in mind, recycling has always been an area of considerable importance with regards to plastics in packaging.

However, the complexities of sorting organic and plastics waste has long proved a challenge.

A new generation of bioplastics is now making it possible for plastic packaging to fit into organic waste streams whilst also reducing contamination of plastic recyclates by food waste.

New developments in compostable and renewable materials by Floreon will be showcased in this presentation.

Thursday, Oct. 09th, 2025 | 12:05 – 12:25

Scaling up green methanol for fossil-free PP and PE at commercial level

Katja Wodjereck, Vioneo

Biography

Katja Wodjereck is Chief Commercial Officer for Vioneo and leads Vioneo's commercial strategy with a key focus on global business, partnerships, and advocacy. Her career has been defined by her continued passion to leverage impact through innovation and technology to address the world's most pressing environmental challenges.

Before Vioneo, she served at Neste, where she joined as Executive Vice President of the Renewable Road Transportation division in April 2023 and was later appointed Executive Vice President of Renewable Products in November 2023.

Prior to her tenure at Neste, Katja Wodjereck held various leadership positions at Dow, including serving as President and General Manager of DACH, as well as holding several board positions.

Abstract

Plastics are key building blocks of modern society, indispensable in many of our modern products: from food packaging that helps avoid food waste and lighter car parts that make vehicles more fuel-efficient, to medical equipment that helps save lives.

At the same time, the plastic industry faces significant environmental challenges. Much of the plastic we produce is never recycled, and its production relies on fossil feedstock. In fact, plastics account for around 6 % of global oil demand and 5 % of global GHG emissions.

If the world is to meet 2050 net-zero targets, it is critical to develop fossil-free methods of plastic production.

Vioneo aims to pioneer the defossilisation of the chemical sector by using green methanol to produce fossil-free polypropylene and polyethylene at a commercial scale. The first plant, based in the Port of Antwerp, will use green methanol to produce approximately 300,000 tonnes of fossil-free virgin plastics. Vioneo is owned by A.P. Moller Holding.

Friday, Oct. 10th, 2025 | 08:05 – 08:25

Latest developments in castor oil based PA 11 for durable markets

Eleonore Moeller, Arkema

Biography

Eleonore holds an engineering degree from ECPM Strasbourg (FR) and a PhD degree in polymer science from Potsdam University (DE). She started her career as a project manager in corporate R&D and then joined Arkema's High Performance Polymers Business Unit in 2014 as Sales Account Manager. To develop her experience with sustainable offers, she then moved to the recycling team of the same Business unit. Since October 2023, she has been Global Sustainability Program Manager for the ARKEMA Speciality Polyamides & Oleris product range.

Abstract

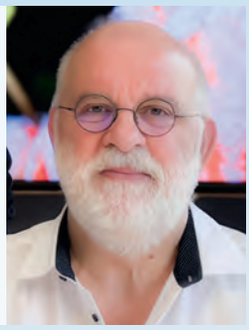
In response to the growing demand for sustainable, high-performance materials, Arkema's Advanced, Biobased and Circular (ABC) Speciality Polyamides are at the forefront of innovation – designed to meet the evolving technical and environmental requirements of durable markets. Across industries such as automotive, electronics, industrial, and consumer goods, customers are increasingly prioritising solutions that deliver long-term reliability while reducing environmental impact.

This presentation highlights how Arkema's castor oil-derived polyamide portfolio addresses key challenges in performance, circularity, carbon footprint reduction, and responsible sourcing. Through continuous improvement and deep collaboration with strategic partners across the value chain, Arkema integrates renewable feedstocks, advances polymer chemistry, and optimises manufacturing processes to deliver next-generation materials that support both industrial excellence and sustainability goals.

Friday, Oct. 10th, 2025 | 08:25 – 08:45

Carbon isn't the enemy. Fossil carbon is.

Philippe Dewolfs, TÜV Austria



Biography

With an engineering and computer science background, Philippe Dewolfs has always worked in the field of conformity assessment. In the road and rail sector at the beginning of his career, and then, since the end of the 1990s, in the certification of bioplastics.

He currently leads the bioplastics certification department in TÜV AUSTRIA, which acquired this activity from Vinçotte at the end of 2017. TÜV AUSTRIA is a leading certification organisation with more than 6,000 active certificates in this field.

He is a member of several national and international working and standardisation groups and is regularly consulted to share his experience.

Abstract

In cooperation with the nova-Institute and the Renewable Carbon Initiative, TÜV AUSTRIA has developed a new certification scheme to quantify and certify the renewable content of products regardless of the source of the carbon (biomass, recycling, CCU) or the method used to evaluate the content.

Philippe Dewolfs will present the latest developments in the certification scheme launched in April.

He will also emphasise the added value of a certification body in this field.

Friday, Oct. 10th, 2025 | 08:45 – 09:05

Circular and biobased polyolefins – exploring new opportunities

Annika Huomo, Borealis

Biography

In her role as Business Development Manager for Renewable and Biobased Polyolefins at Borealis, she is overseeing and driving the business development and circular economy projects, including the offering of polyolefins based on renewable feedstocks (Bornewables™).

Annika has worked her professional career across the Olefin and Polyolefin industry, first in feedstock sourcing and later in polyolefin customer interphase, and last managing strategic polyolefins customers in the packaging industry in Europe.

She holds a master's degree in Industrial Engineering and Management from Lappeenranta University of Technology, with a technical minor in Process Engineering.

Abstract

Borealis is committed to leading the transition towards a more sustainable tomorrow with its Circular Economy Solutions (CES), offering a selection of value-added plastics and chemicals as well as more sustainable options. This includes design for recycling, reusable products, mechanical recycling, chemical recycling and renewable-based plastics.

Borealis' prime quality approach in circular solutions is modelled with A, B, and C: A for carbon from the Atmosphere, B for carbon from biomass, and C for circular technology-based carbon from mixed waste streams.

The Bornewables portfolio is based on the B, and is already applied in many plastics applications today. With the Borcycle portfolio, the products based on circular (C) carbon and complemented by recycled plastics, produced in several of Borealis' recycling plants, are also already offered to customers. Now the offering is also completed with the possibility to offer our circular polyolefin portfolios based on carbon from the Atmosphere (A), based on feedstock produced from captured CO_2.

Hall 5

5 F30-04	AGRANA Stärke
5 B39	Biotec
5 E09	Cabopol – Polymer Compounds,
5 D04-08	ELIXANCE
5 D04-05	**Futerro**
5 E01	ITENE
5 D04-15	Natureplast
5 A25	Notpla Limited
5 B53	**Phabuilder**
5 E03	Yparex

Hall 6

6 D6 1	Albemarle
6 C57	ARKEMA France
6 C76	Biofed
6 A43	**Borealis**
6 D27	**Braskem**
6 C52	Dongsung Chemical Co.
6 E48	**FKuR Kunststoff**
6 A63	**Grafe**
6 A20	Kaneka Belgium
6 B60	Mitsubishi Chemical
6 A44	Novamont
6 B55	PlastChem
6 B10	Radici Novacips
6 E80	SK Chemicals.
6 C61	**Syensqo**
6 E20	**TotalEnergies Corbion**

Hall 7

7.1 A23	A.J. Plast
7.2 D05	Biolive Biyolojik ve Kimyasal Teknolojil
7.2 D03	Biopac
7.2 A05	Dongguan Xinhai Environment Friendly
7A B10	European Bioplastics
7.0 C05	**Fraunhofer UMSICHT**
7.1 B08	**Gianeco**
7.1 E03-25	Henan Techuang Biotechnology
7.2 A02	Huafon Chemicals Europe
7.1 B33	Izmir Egitim Saglik Sanayi Yatirim
7.2 A04	Jiangsu Keyilai New Material Technoloy
7.2 G04	Kobe Poliurethan Sanayi T
7A D25	Marubeni International
7A B17	Maurer Kunststofftechnik
7A D18	Mitsui Chemicals Europe
7.1 A10	Plásticos Compuestos
7A B02	**Polyplastics**
7.2 D18	SBS POLYCHEM
7.2 E11	Setas Kimya Sanayi
7.2 C13	Shandong LXBio
7.1 E03-02	Weihai lianqiao New Material
7.2 D20	S&P Global Commodity Insights
7.2 B05	S.C. Rematholding
7.1 E03-12	Shandong Ruifeng Chemical
7.2 G33	Shandong Xiangsheng New Mat.
7.1 E03-23	Shenzhen Esun Industrial
7.0 B03	Silon
7a C30	Sojitz Europe
7a B15	Stahl Europe
7.2 C12	Stavian Chemical
7.2 A14	Sumika Polymer Compounds (EU)
7.1 B23	Symplast
7.1 D02	Técnicas para Economía Circular
7.1 E06	Tecnofilm
7.0 B24	TITK
7.1 B06	Trifilon AB
7.1 A44	UBQ Materials
7a C06	Vinmar Chemicals and Polymers
7a D40	West-Chemie

Show Guide

You can use this detachable double page as your personal show guide.

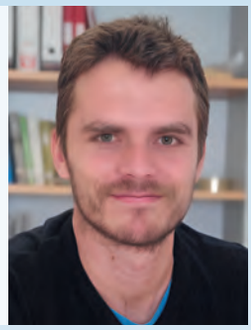
Note: The companies listed in this guide were found in the official K'2025 catalogue under *bioplastics*.
About companies listed in **bold** you find a short K-Show preview in Renewable Carbon Plastics Magazine issue 2025-5.

	Hall 8	8B C37-10	Maloun	8B F05-12	Super-Dragon EngineeringPlastic
8A E12-06	**AIMPLAS**	8A H34	NG Nordic Finland	8A K20	TPV Compound
8A C34	**ADBioplastics**	8B E71-03	Pelsan Tekstil Ürünleri Sanay	8B F54	traceless materials
8B D60	almaak international	8A K05	Polyram Plastic Industries	8A K35	**Vioneo**
8B H24	B4Plastics	8A B28	Rowa GROUP Holding	8B H26	Xuchuan Chemical (Suzhou)
8A E35	Beologic	8A B28	Rowa Lack		Hall 12
8A F12	**Benvic**	8B D11-02	Shandong Ruian Biotechn.	12 A61	Polykum
8A K36	Gema Elektro Plastik	8B F05-11	Shanghai Qishen Plastic	12 C02-04	Thermolysis
8B F22	Granulat	8B C69	Sirmax		
8B F57	Kordsa Global Endüstriyel	8A D39	STIR COMPOUNDS		Hall 13
8A G33	Lehmann & Voss	8A H28	Sukano	13 A85	Moxietec

Friday, Oct. 10th, 2025 | 09:05 – 09:25

Novel and advanced foamed bioplastic solutions for packaging and durable applications

Alberto López Gil, CellMat Technologies



Biography

Alberto López Gil is an Industrial Engineer and holds a PhD in Physics from the University of Valladolid. He has over 15 years of experience in polymer foams and has contributed to numerous privately and publicly funded projects in this field.

Alberto has published more than 20 scientific papers and holds four patents. His core expertise lies in biopolymers and rubber foams, with extensive experience in developing new methods to characterise foam cellular structures and in scaling up foaming processes.

For more than a decade, he has worked as a project manager and team leader at CellMat Technologies, supporting companies in the foam industry to create innovative and more sustainable foamed products.

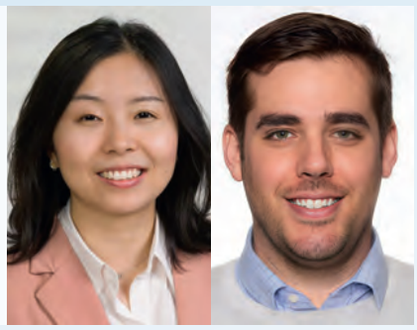
Abstract

Managing the end-of-life phase of polymer foams (EPP, XPS, EPS, PUR & PIR) remains a significant challenge. This is primarily due to their crosslinked polymer structures, which enhance foamability and closed-cell formation but hinder recyclability. Additionally, complex formulations and the use of chemical blowing agents introduce chemical residues. These foams are typically high-volume products, which results in substantial spatial impact when disposed of in landfills or natural ecosystems. This work presents novel foaming strategies aimed at replacing conventional fossil-based polymer foams used in durable applications – such as sport footwear, automotive components, and building materials – with bioplastics, thereby reducing carbon footprint and improving end-of-life management. Specifically, we explore open-cell biofoams based on polylactic acid (PLA) reinforced with starch, demonstrating potential in acoustic insulation for buildings and in lightweight, rigid components for vehicle interiors, serving as biobased alternatives to EPP. Furthermore, we present cost-effective compostable flexible foams produced via gas dissolution foaming of PBAT–thermoplastic starch blends, showing promise as biobased replacements for conventional crosslinked ethylene-vinyl acetate (X-EVA) and polyether block amide (PEBA) foams used in sport footwear midsoles.

Friday, Oct. 10th, 2025 | 09:35 – 09:55

The role of bioPTMEG in high-performance sustainable footwear and apparel applications

Mosha Zhao & Dan Slanac, CovationBio



Biography

Mosha Zhao is the Global Marketing Director for C4 Platform of CovationBio, she also serves as the Global Marketing Director for Huafon. She leads the marketing efforts for biobased C4 intermediates, including bioPTMEG for CovationBio and the corporate marketing strategy for Huafon. With a PhD in Chemical and Biomolecular Engineering from the University of Pennsylvania and an MBA from Rice University in the USA. During her previous career she held multiple roles for 13 years, with a significant focus on the polyolefin industry. Her expertise in this area contributed to her success in Research, Technology, and Marketing. She has filed over 40 global patents in the chemical and material industry and has led the development and commercialization of multiple new material products.

Dan Slanac is Global Technology Director at Covation Biomaterials. In his current role, he manages technology teams and programs from R&D through scale-up, focused on the transformation of biobased feedstocks into new and existing monomers and polymers. Sustainability is a personal core value as well as a core value at CovationBio, where the goal is to make sustainable, high-performance biomaterials accessible to all. He holds a PhD in Chemical Engineering from the University of Texas at Austin, has served as the Program Chair and Secretary for the Catalysis Club of Philadelphia, and is currently a board member of the Institute for Sustainability inside of the American Institute for Chemical Engineers.

Abstract

As multiple industries require high-performance, fossil-free solutions to meet sustainability goals, CovationBio® BioPTMEG – a biobased alternative to petroleum-derived PTMEG – offers a groundbreaking path forward, combining durability in applications like spandex with reduced environmental impact. This talk highlights three key pillars for advancing sustainability via innovation:

1. Defossilization via Non-Food Biomass
BioPTMEG utilises corncob-derived furfural, an abundant agricultural byproduct, to replace fossil feedstocks without compromising performance. This case study educates on leveraging renewable, non-food biomass to reduce reliance on finite resources – a critical step toward decarbonising supply chains.

2. Multidimensional Sustainability Assessment
Moving beyond carbon metrics, CovationBio's Life Cycle Analysis (LCA) evaluates water use, land efficiency, and ecosystem impacts. This holistic approach challenges industry norms, emphasizing the need to balance environmental tradeoffs and avoid greenwashing – a vital lesson for credible material innovation.

3. Resilient R&D: 60 Years of Research to Decarbonise Production Process
The Advanced ThermoChemical (ATC) Technology behind BioPTMEG stems from six decades of research, demonstrating how sustained scientific investment minimises non-biogenic carbon emissions. This journey underscores the importance of long-term collaboration and adaptability in overcoming technical barriers.

Friday, Oct. 10th, 2025 | 09:55 – 10:15

New PLA grade for the meltblown process

Kristel Beckers, TotalEnergies Corbion

Biography

Kristel Beckers is a seasoned polymer materials engineer with deep expertise in textiles and nonwovens. She began her career as a research scientist at a leading textile research institute, where she broadened her technical skills and industry insight.

In 2016, she joined Corbion as an application engineer, focusing on the development and performance of PLA-based textiles and nonwoven materials. Following the formation of the TotalEnergies Corbion joint venture in 2017, Kristel took on the role of global technical advisor and application specialist.

She now leads technical support and innovation efforts worldwide for PLA in fibre, filament, and nonwoven applications – bridging material science with sustainable solutions across the textile industry.

Abstract

At TotalEnergies Corbion, we aim to reduce carbon footprints through continuous bioplastics innovation. Our latest LCA shows Luminy® PLA now offers up to an 85 % reduction in carbon footprint compared to fossil-based plastics – making it a key contributor to a more sustainable future. Beyond footprint reduction, we explore new applications for PLA. While our Luminy portfolio supports diverse uses, including nonwovens, some areas remained out of reach.

Now, a new 100 % PLA grade enables fully biobased meltblown nonwovens, complementing existing grades used in bicomponent spunbond structures. This grade exhibits favourable rheology, forming filaments down to 1 micron. Combined with strong electrostatic properties, it delivers robust filtration performance for HVAC systems, air purifiers, and vacuum cleaner bags – opening new possibilities for biobased innovation.

Friday, Oct. 10th, 2025 | 10:15 – 10:35

Strongly reduced footprint: Sustainable styrenics excel!

Frank Eisenträger, INEOS Styrolution

Biography

Frank Eisenträger has been ECO & Market Development Manager at INEOS Styrolution located in Switzerland, since April 2020. He manages the polystyrene recycling projects in EMEA as well as market development for all other product lines. He is also active in Styrenics Circular Solutions, driving Food Contact approvals and Design for Recycling.

Before, he worked as Product Director Polystyrene and Head of the Regional Development Centers at INEOS Styrolution in Cologne.

Abstract

Over the past years, INEOS Styrolution has invested significantly in making styrenics circular. Its ECO portfolio combines mechanical and advanced recycling with mass-balanced and biobased solutions using renewable feedstocks, enabling durable materials with up to 100 % circular content while maintaining performance and regulatory compliance.

This presentation highlights the role of these portfolio enhancements as part of the broader circularity framework and shows how INEOS Styrolution works with customers and partners to develop innovative solutions that meet ambitious sustainability targets.

Friday, Oct. 10th, 2025 | 11:05 – 11:25

New biobased and mass balance TPU grades – a milestone in sustainability

Matias Sacristan, Lubrizol

Biography

Matías Sacristán holds a degree in Chemical Engineering and a Master's in Polymers and Biopolymers from the Polytechnic University of Catalonia (UPC). With over 15 years of experience in the polymer industry, he currently serves as R&D Manager at Lubrizol, where he leads the R&D team and leads the technical development across the EMEA region of thermoplastic elastomers, including Bio and mass balance TPU.

His role includes providing technical support to direct customers and distributors in both industrial and medical applications. Prior to this, he worked in research institutes focused on thermoplastics and contributed to a startup company developing micro-injection moulding technology.

His career combines technical expertise with a strong focus on application development and customer support.

Abstract

Lubrizol thermoplastic polyurethane (TPU) is renowned for its durability, flexibility, and abrasion resistance, making it ideal for industrial, footwear, sports, and electronic goods. ESTANE® TPU stands out with its lightweight and plasticizer-free nature, offering advantages over rubber and PVC by durability, recyclability, and reducing energy consumption. It is recognized for robustness in challenging environments such as cable insulation.

Recent advancements in mass balance TPU have broadened sustainable solutions without compromising performance, utilizing bio and/or mass balance feedstocks. New biobased TPU grades mark a milestone in sustainability, with Pearlbond™ ECO TPU offering excellent adhesive properties for furniture edge banding. The versatile nature of Lubrizol TPU is crucial in modern material science, adeptly meeting industrial and consumer demands while providing substantial environmental benefits.

Friday, Oct. 10th, 2025 | 11:25 – 11:45

Commercializing novel biobased and biodegradable polyurethanes – high performance and circularity

Nick Sandland, Algenesis

Biography

Nick has been working in the polymer industry for over 35 years and studied Polymer Technology & Materials Engineering at Loughborough University in the UK. For the first part of his career, he held a variety of technical roles in rubber formulation, process and application development, including 10 years at Zeon. In 2006, he joined Teknor Apex, establishing a commercial footprint in Europe. He relocated to the USA in 2008, establishing the Medalist medical elastomers product line, subsequently leading the commercial activities for the TPE business unit for 10 years. More recently, he helped to establish a venture studio, created to scout startups for potential collaboration.

In early 2024, he joined Algenesis Labs as Chief Business Officer to lead the commercialisation activities of the company's plant-based and biodegradable Soleic-branded Polyurethane technologies. The company's mission is to eliminate microplastics from our world, and they are focusing on durable, yet disposable applications. End markets include footwear and consumer products, due to the large usage of PU-based materials, end-of-life management issues, plus the creation of microplastics during use.

Abstract

Biobased and biodegradable polymers are often perceived as inferior compared to their petrochemical based counterparts. This is typically based on the consumer's experience with straws that feel strange in the mouth and forks that snap easily.

Algenesis Labs has created biobased, low carbon and biodegradable polyurethane technology via their unique knowledge of both the biology of plants as raw materials and microbes for biodegradation, plus the chemistry of polymer synthesis and formulation.

This presentation will walk the audience through the process of creating and validating this polymer technology. Highlighting with case studies how it can offer a viable solution in those applications where polyurethanes are used today and there is no practical end of life solution.

We will also talk to the growing concern around microplastics and how these biodegradable polymers can help to address this ever-growing threat to our personal health and that of our planet.

Friday, Oct. 10th, 2025 | 11:45 – 12:05

A next generation of doll production – using renewable ressources and co-development to achieve sustainability goals

Jörg Dörrstein, Biofibre

Biography

Jörg Dörrstein is Managing Director for General Development and Innovation at Biofibre and specializes in sustainable material innovations.

With more than 10 years of experience in the bioplastics industry, he with his team of engineers develop and advise clients on implementing sustainable materials for different sectors like the toy industry.

In the current project, he explores alternative materials and optimized processes to replace PVC in doll heads. His goal: sustainable toys without compromising quality.

Abstract

How can we make toys (specifically dolls) more sustainable?

This presentation showcases an exciting collaboration along the sustainable value chain.

Discover how innovative materials and reimagined processes are shaping the future of toy manufacturing.

Learn about the challenges, breakthroughs, and market potential of replacing PVC with eco-friendly alternatives in doll production.

Friday, Oct. 10th, 2025 | 12:05 – 12:25

Biocarbon content and mass balance

Ramani Narayan, Michigan State University

Biography

Ramani Narayan is University Distinguished Professor at Michigan State University in the Department of Chemical Engineering & Materials Science He has 140 refereed publications, 26 issued patents, and edited three books – all in the area of biobased and biodegradable polymeric materials. He serves as the Scientific Chair of the Biodegradable Products Institute (BPI), North America www. bpiworld.org; and Director of the Society of Plastic Engineers (SPE) Bioplastics special interest group (BioSIG).

He served on the Board of Directors of ASTM International (www.astm.org) and currently chairs the committee on Environmentally Degradable Plastics and Biobased Products (D20.96). Ramani has won several awards. He also is a successful entrepreneur having been responsible for commercializing several technologies.

Abstract

The use of plant-biomass feedstock in part or whole to substitute for fossil feedstock (de-fossilisation) is being increasingly adopted to provide for a reduced carbon footprint and create value for local agricultural crops and residues. Products made by this process are being arbitrarily attributed with bio carbon content based on "mass balance" principles and certified by organisations like the ISCC plus. Terms like biobased, bioattributed, or biomass balance are used to describe these products.

This lecture reviews the fundamental principles of "mass balance". These principles do not permit the arbitrary assignment of bio carbon content to any product or products of one's choice. Experimental measurement of the products' bio carbon content must be required. ASTM/ISO standards can measure bio carbon content of products accurately.

Saturday, Oct. 11th, 2025 | 08:05 – 08:25

Unlocking sustainable solutions: the path to certification

Michal Ciok, DIN Certco

Biography

Michal Ciok, is a biologist with a strong background in microbiology and environmental science. He works as a certification expert at DIN CERTCO, part of the TÜV Rheinland Group, specialising in third-party certification for environmentally relevant products. Michal manages the certification processes for compostable, biodegradable, and biobased products, ensuring compliance with standards (e.g., EN 13432, ASTM D6400, AS 4736).

He is also pursuing a PhD focused on the impact of biocides on microbial communities within the project "Optimising and Minimising the Use of Biocides in Building Materials."

His expertise includes advanced analytical and statistical methods (e.g., PCoA, PERMANOVA, NGS analysis) and scientific communication. Michal's work bridges the gap between science, certification, and sustainability, promoting eco-friendly solutions and supporting the circular economy.

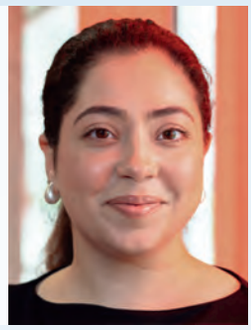
Abstract

The presentation "Unlocking Sustainable Solutions: The Path to Certification" by Michal Ciok from DIN CERTCO at K 2025 addresses the growing challenge of plastic pollution and underscores the role of certification in advancing the circular economy.

With over 50 years of expertise, DIN CERTCO certifies environmentally relevant products in line with globally recognised standards (DIN, EN, ISO).

Key topics include compliance with EU directives (PPWR) and certification options for compostable, biodegradable, biobased, and recycled products.

The presentation also highlights a transparent certification process, the benefits of accredited certification, and its role in fostering eco-friendly product design, regulatory compliance, and consumer trust.



Saturday, Oct. 11th, 2025 | 08:25 – 08:45

Testing the future: rethinking biodegradation in product design

Ines Zribi, Normec OWS

Biography

Ines Zribi is a Sales Officer at Normec OWS, a leading laboratory specialising in biodegradability and compostability testing. With an academic background in Strategic Management, Consulting, and International Business, Ines is passionate about bridging the gap between commercial strategy and environmental impact.

She is particularly focused on helping companies navigate the complex landscape of sustainable materials, supporting their transition to more circular and compliant solutions.

Through her work at Normec OWS, she is actively involved in guiding clients through the biodegradability testing process, translating technical assessments into actionable insights that align with broader sustainability goals.

Abstract

As sustainability reshapes market expectations, environmental fate testing must evolve.

Normec OWS, a pioneer in biodegradability testing, reflects on 35 years of progress and unveils futureready strategies to address microplastics, nonpersistency, and degradation of durable goods.

Once an end-of-life checkbox, biodegradation testing now plays a vital role in early product design. High-throughput, automated methods are accelerating data generation, reducing costs, and enabling smarter, scalable testing.

This presentation shares insights from pilot projects that bridge innovation and regulation, highlighting the importance of early-stage testing, de-risking and accelerating the product-tomarket process.

Join us to explore how industry, science, and policy can align to raise the bar for environmental performance.

Saturday, Oct. 11th, 2025 | 08:45 – 09:05

Solutions beyond compostability: the need for environmentally biodegradable plastics

Christian Lott, Hydra Marine Sciences

Biography

Christian Lott is co-director of HYDRA Marine Sciences and a marine biologist with extensive experience in ecology, biogeochemistry, and in-situ research, having contributed to more than 150 research projects worldwide. He co-founded a marine research station in Italy in 1995, and during his PhD studies on animal–microbe symbioses, he was a guest researcher at the Max Planck Institute for Marine Microbiology in Bremen, Germany, and at the Australian Institute of Marine Science.

With decades of experience and direct insight into aquatic ecosystems, he and his team investigate and advise on biodegradable polymers and plastics in the environment. They collaborate with industry and academic partners, and on publicly funded projects. Christian's team established HYDRA Labs in Southern Germany, offering laboratory, mesocosm, and field-scale testing of biodegradable polymers in soil, freshwater, and marine environments for both research and certification purposes.

Abstract

The compostability of plastic depends on material characteristics, available infrastructure, and the standards used to define it. Although compostable plastics help with the treatment of organic waste, they are not effective in reducing environmental plastic pollution. Plastics enter natural ecosystems through four main pathways, resulting in the accumulation of persistent micro – and nanoplastics.

A broader framework, which includes the intrinsic degradation properties of biodegradable plastics as part of a circular economy strategy, is needed to address this issue. To avoid ignoring a significant amount of plastic leakage on a global scale, it is essential to integrate scientifically defined biodegradability criteria into policy and certification across composting, soil, freshwater, and marine environments.

A "Safe and Sustainable by Design" approach can guide innovation and regulation, making use of the full potential of biodegradable plastics.

Saturday, Oct. 11th, 2025 | 09:05 – 09:25

Opportunities for compostable packaging under the PPWR

Henk Vooijs, Compostable by Design Platform

Biography

Henk Vooijs works at Novamont on market and product development. Novamont is the world's leading company in the sector of bioplastics and biochemicals and is part of Eni-Versalis. Novamont promotes the transition from a product economy to a system economy, relying on the utilisation of local areas and on products that can redesign entire application sectors, reducing the costs of environmental and social externalities.

In his role as a market developer, he is working with stakeholders in the value chain to develop products that can deliver solutions to major environmental problems. Focus areas are: separate waste collection, agriculture, large retail sector, disposable foodserviceware and packaging. He is a member of the board of the Compostable by Design Platform, Belgian Bioproducts and Holland Bioplastics (chair) and is convenor of Working Group 5 of the CEN-TC 411 (Standards Biobased Products)

Abstract

The challenge of building a truly circular economy lies in ensuring that compostable packaging and products are not only widely accepted, but also effectively processed at scale by bio-waste facilities across Europe.

The Compostable by Design Platform (CbDP) is a cross-value chain initiative promoting collaboration and innovation in compostable packaging and products, as well as associated bio-waste treatment technologies and processes.

CbDP is developing clear guidelines, processes, and supportive policies to enable appropriate compostable item use. We work closely with industry leaders, policymakers, and consumers to promote designated compostable items and minimise waste – from design to production and use, disposal, collection, composting and recycling.

Our efforts will also support: upgraded composting infrastructure; enhanced consumer education; and Extended Producer Responsibility (EPR), to balance waste management responsibilities and support a financially-viable ecosystem that works for all stakeholders in the lifecycle of compostables.

Saturday, Oct. 11th, 2025 | 09:35 – 09:55

The fairytale of a circular economy – why biobased materials are the only logic

Patrick Zimmermann, FKuR

Biography

Patrick Zimmermann graduated from the University of Applied Sciences in Aachen with a diploma in Mechanical Engineering. His speciality subjects were Energy and Environmental Technology with a main focus on waste treatment and waste management of dangerous and nuclear substances. In addition, he was granted a diploma in Engineering and Economics from the University of Applied Science in Hamburg, specialising in Risk Management.

Patrick Zimmermann is a member of the executive board of the FKuR Group. In the past 20 years, he has been deeply involved in the global business development and marketing of FKuR´s product & distribution portfolio. He was responsible for the establishment of FKuR´s activities in the USA as part of the global marketing strategy. He is also a member of the board of the European Bioplastics Association.

The FKuR group is a medium-sized, privately held group of companies focusing on the development, production and marketing of high-quality special compounds and the distribution of plastics specialities. The group currently includes, amongst others, FKuR Kunststoff , one of the leading suppliers of bioplastics compounds for flexible packaging solutions and engineering applications, and FKuR Polymers, specialising in the development and production of TPE and PP / PE compounds.

Abstract

Circular economy and recyclability are widely discussed topics today. Especially, recyclability has a high priority when it comes to politics and consumer acceptance.

This is often a result of a European mindset and perspective, but in other countries, the situation is quite different from that in the EU. And even in the EU, waste management can be significantly improved to collect more organic waste or to create better recycling qualities.

Additionally, there are many applications where biodegradation is a valuable solution. In certain other applications, a design for recycling is preferred, also for its end of life after the product has been used.

This means we need to understand more about what the situation in different regions of the world is, how waste management is regulated in each country, and what materials are best suited for each application and end-of-life scenario. This also implies the limitations of the Circularity in general, since we will always produce waste in any of our processes.

Saturday, Oct. 11th, 2025 | 09:55 – 10:15

Driving circular progress: CR(Chemical Recycle)-PET technology for a sustainable tomorrow

Hanns-Jorg Bentele, SK Chemicals

Biography

Hanns-Joerg Bentele studied Chemistry at Munich University before beginning his career in the polyester textile and virgin PET industry in 1998, working with companies such as TWD, KoSa, and Invista. In 2007, he transitioned into the recycling sector, joining one of the pioneers in mechanical PET recycling, Kunststoffrecycling, as Managing Director. He continued to expand his leadership experience in 2015 when he became Managing Director at the Reiling Group, another leading mechanical recycler.

In 2025, he took on a new challenge in the field of chemical recycling by joining SK Chemicals. Over the course of his career, he has also been actively engaged in various industry associations and panels, including Plastics Recyclers Europe, bvse, and Forum PET, contributing his expertise to the development and advancement of sustainable recycling solutions.

Abstract

Driving Circularity Progress

Current PET recycling is mechanical recycling, which is mainly based on beverage bottles. This is reaching its limits in terms of quality and quantity. Large parts of the PET packaging waste collected and sorted for recycling are materials other than beverage bottles. Of this waste, only a very small amount is recycled mechanically; most of it is going into incineration.

To create true circularity, we need chemical recycling to address all the hard-to-recycle waste and produce a virgin-like quality PET to be reused. SK Chemicals already operates an industrial plant in Asia and is reviewing additional investments in various countries as options for global business expansion.

This will bring back hard-to-recycle waste into the material stream and provide a solution for the “recycling-at-scale” required by PPWR for all one-way packaging. Chemical recycling will create true circularity within the PET packaging industry.

Saturday, Oct. 11th, 2025 | 10:15 – 10:35

Reborn from the Ruins: INGA – Plastic born from CO_2

Pauliina Sariomaa, NG Nordic

Biography

When she was a kid her dream was to become Olympic Winner in 200 m butterfly (Swimming), but since it did not work out Pauliina had to figure out next career and "real job" and studied engineering in Chalmers University of Technology.

The time in competitive swimming is worth of mentioning since it taught her many important lessons about working towards her goals, surviving from setbacks and how to motivate herself and others – better than any leadership training ever.

Pauliina was am born in Finland, but studied and lived in Australia, Sweden and Austria. She started her career in Borealis sales academy, and stayed in Borealis for 10 years. She worked in different sales, marketing and technical roles and with different types of polyolefins used in energy cables, pipes, photovoltaic modules, e-vehicles, and food packaging. I enjoyed greatly serving her customers in Nordics, Europe and US.

Now Pauliina is doing something where her heart and passion lies. For almost 3 years she has been Business Development Manager for CO_2 based plastics in NG Nordic..

Abstract

- Reborn from the Ruins: NG Nordic is pioneering a technology that transforms CO_2 emissions from waste incineration into sustainable plastics. This way end of life for one is new beginning for another
- A New Feedstock: Captured CO_2 can play a significant role in the industry, replacing the virgin fossil feedstock for plastics with a sustainable alternative.
- Join the Movement: We are looking for visionary partners – early adopters, who believe in turning carbon dioxide into a resource to work together with us. Join us in shaping the future of materials!

Saturday, Oct. 11th, 2025 | 11:05 – 11:25

Closing the loop: scaling up PLA recycling

Geoffroy Delvinquier, Futerro

Biography

Geoffroy Delvinquier is Executive Assistant to the CEO & Public Affairs Manager at Futerro.

Geoffroy holds several degrees in biotechnology and entrepreneurship from the University of Bordeaux, France.

Before joining Futerro, Geoffroy worked within different companies in the pharmaceutical environment and developed two different start-up projects linked to white biotechnology, firstly in plastic bio-recycling and secondly in CCU principles (P2G technology).

His main focus areas are promoting Futerro's solutions and supporting the adoption of bioplastics and biobased products at national and European levels, as well as driving industrial development.

Abstract

As the EU's Packaging and Packaging Waste Regulation (PPWR) pushes recyclability to the forefront, let's explore how innovations in PLA recycling, from mechanical processes to our patented chemical recycling technology Loopla™, can transform end-of-life challenges into opportunities for high-quality material recovery.

Drawing on our experience as both PLA producer and recycler, we'll share insights from industrial projects and collaborations driving a scalable, circular future for PLA recycling in Europe.

Saturday, Oct. 11th, 2025 | 11:25 – 11:45

Development and performance of soil biodegradable end-of-life products for agricultural applications

Anthony Keyes, Natur-Tec

Biography

Anthony Keyes received his PhD in 2021 from the University of Houston in Polymer Chemistry for his work in block copolymer synthesis, which bridged radical and insertion polymerisation techniques. During that time, he served as Vice President for his local SPE Chapter, where he received awards in the Flexible Packaging Division of SPE, the UH Polymer Centre of Excellence award, and was a recipient of the NSF-GRFP.

He currently leads the formulation development of new biobased/compostable compounds under the Natur-Tec division of NTIC. His educational background is in materials science and polymer chemistry. He enjoys taking new ideas all the way from conception to application. Through his years of research, he has tackled new challenges, implementing his expertise to solve a wide range of problems, while building a diverse portfolio of skills and knowledge, including but not limited to: inorganic and organic nanoparticle synthesis; polymer synthesis and modification; late-transition metal catalyst synthesis; multiblock copolymers, rubbers, thermoplastic elastomers, functional polyolefins, and compatibilisers.

Abstract

Natur-Tec has developed compostable and biodegradable polyester-based formulations to replace polypropylene (PP) in horticultural applications such as pots, stakes, and clips. Traditional PP products persist in soil, fragmenting into microplastics and creating disposal challenges. XF3030-F, designed for injection-moulded pots, delivers three times the toughness of PLA and achieves full biodegradation in home compost within a year.

For stakes and clips, XF3029-M and XF3029-G provide the stiffness and flexibility needed to match or exceed PP while meeting soil biodegradation standards and home compost. These drop-in solutions allow growers to use durable products that safely break down in relevant environments, eliminating plastic waste management burdens. Natur-Tec's approach represents more than a material substitution – it aligns agricultural productivity with soil health and sustainability goals by directly addressing plastic persistence.

Saturday, Oct. 11th, 2025 | 11:45 – 12:05

It's time to modernise the resin identification code (RIC)

Robert I. de Jong, Solinatra

Biography

Robert I. de Jong is a lawyer, entrepreneur, and co-founder of Solinatra, a company that produces 100 % natural, plant-based alternatives to single-use plastics.

With a background in international tax law and leadership roles across Europe and Australia, he has built and managed firms by combining creativity with innovation.

His work reflects a strong commitment to sustainability, demonstrating that business success and environmental responsibility can be mutually beneficial.

Abstract

At K 2025, Solinatra will highlight why the Resin Identification Code (RIC) must evolve to reflect today's materials reality. Since 1988, the RIC system has classified plastics into codes 1–7; however, all biobased and compostable resins – such as PLA, PHA, starch blends, and Solinatra – are still categorised under "7 – Other."

This outdated classification creates significant challenges: compostable resins are indistinguishable from fossil-based plastics, waste facilities struggle to route them appropriately, regulators lack visibility, and innovators receive little recognition.

In our presentation, we propose creating a new family of resin identifiers, beginning at RIC 8, dedicated to biobased and compostable polymers. Unlike vague "Other" coding, this would provide compostable resins with their own distinct identity, without misleading consumers – RIC would continue to be a resin ID system, not an environmental claim.

At K 2025, we will demonstrate how RIC 8+ can unlock recognition for the next generation of sustainable materials – and accelerate the transition away from fossil plastics.

Saturday, Oct. 11th, 2025 | 12:05 – 12:25

Necessity of policies to promote biobased plastics to achieve the net-zero target

Hiroyuki Ueda, Mitsubishi UFJ Research and Consulting Japan

Biography

Hiroyuki Ueda studied environmental engineering at Kyoto University (1997) and the Graduate School of Kyoto University (1999).

After his Master's degree, he started his career as a consultant in developing the national GHG inventory of Japan for around 10 years. Especially, he led the development of the national GHG estimation system for the waste sector, including GHG emissions from incineration and utilisation of waste plastics, etc.

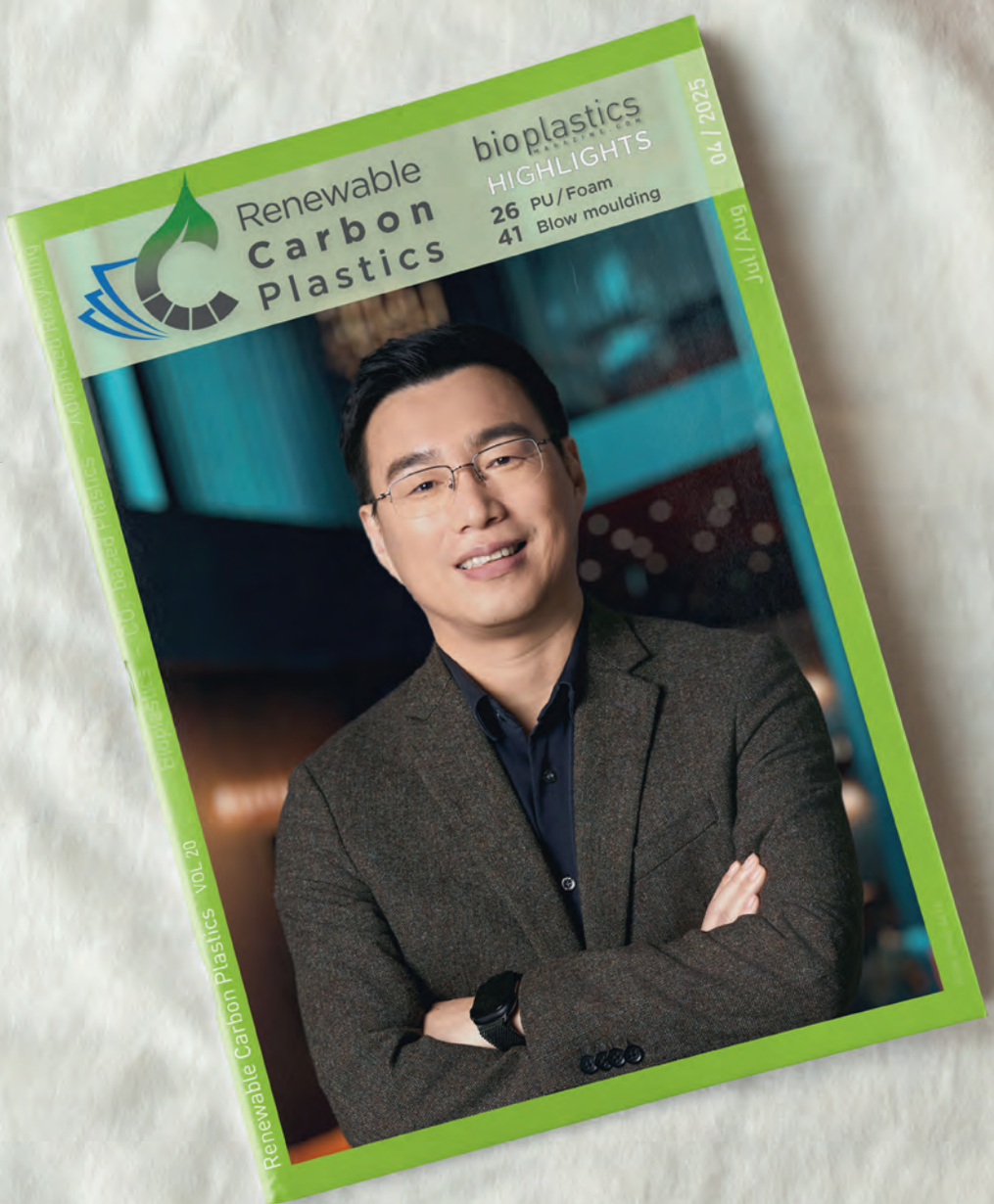
In 2012, he joined MURC (Mitsubishi UFJ Research and Consulting Japan) to focus on his career to mitigate GHG emissions from waste. He met with biobased plastics as a potential key solution for GHG reduction from waste plastics. Now he is engaged in supporting policy development of the promotion of the circular economy for plastics for the Ministry of Environment of Japan.

Abstract

Plastics face three key challenges:
1. Stopping plastic litter,
2. Enhancing the circularity of plastics,
3. Reducing CO_2 emissions from plastic waste.

The recycling of plastic waste is currently a worldwide trend, including in the EU.
To address these challenges, the recycling of plastic waste must be promoted. However, considering the net-zero targets set by each country under the Paris Agreement, recycling is not the only solution, since the incineration of recycled plastics produces fossil CO_2 emissions. The introduction of biobased plastics is a key solution for achieving a net-zero target for plastics.
Currently, EU member countries are shifting the treatment of plastic waste from landfills to waste-to-energy. However, a net-zero strategy or policy for plastics has not yet been developed among them.

This presentation will report on CO_2 emissions from plastic waste in Japan based on the latest greenhouse gas (GHG) inventory, as well as current policies for introducing biobased plastics in relation to the net-zero target. Additionally, an example of CO_2 emissions from waste plastics in the UK's GHG inventory will be presented.
It is expected that the importance and potential of biobased plastics in achieving the net-zero target will be widely recognised.


Renewable
Carbon
Plastics
bioplastics
HIGHLIGHTS
26 PU/Foam
41 Blow moulding
04 / 2025
Jul / Aug
Renewable Carbon Plastics VOL 20

We thank our Sponsors

Gold Sponsor

Sukano is a global leader in additive and colour masterbatches for biodegradable polymers such as PLA, PHA, PBS(A), and PEF. Since 2005, Sukano has pioneered innovations in this field, collaborating across the value chain to expand the applications of biodegradable plastics.

As an active EUBP member, Sukano supports its activities and guidelines. Sukano provides compostability letters for all their biodegradable products, including EN13432 and ASTM 6866 compliance.

Headquartered in Switzerland with production facilities strategically located in Europe, the Americas and Asia, Sukano delivers unparalleled service, knowhow, and quality to its customers worldwide. Sukano is the global partner of choice for plastic converters and brand owners to develop their innovative products and highly specialized solutions; supporting their strategies and goals towards a circular economy and bioeconomy.

For more information, visit www.sukano.com.

We thank our Sponsors

Silver Sponsor

Founded in 2022, in Newark, Delaware, Covation Biomaterials is a biomaterials company with advanced technology in the biobased materials industry, offering a product portfolio of high-performance, sustainable solutions. The company builds on its rich DuPont legacy of groundbreaking scientific innovation and continues to deliver novel solutions at scale across multiple industries, including apparel, carpeting, cosmetics, food, and packaging. Through product lines such as Sorona®, Susterra® and Zemea®, the mission of Covation Biomaterials is to deliver building blocks that will enable customers to provide biobased products accessible to everyone. Covation, Covation Biomaterials, Sorona, Susterra, and Zemea are trademarks of Covation Biomaterials or its affiliates. For more information about Covation Biomaterials, please visit CovationBio.com and follow on WeChat, LinkedIn, Instagram, and Facebook.

CJ Biomaterials, a business unit of global lifestyle company CJ CheilJedang, is a leading manufacturer of polyhydroxyalkanoate (PHA) biopolymers.

The company's proprietary PHACT™ PHA technology transforms carbon dioxide sequestered in plant sugars into innovative biopolymers through a unique, highly efficient fermentation process that produces both amorphous and semi-crystalline PHAs. These PHAs are certified biobased, compostable in home and commercial composting conditions, biodegradable in marine and soil environments and do not leave microplastics.

CJ Biomaterials partners with brands across packaging, consumer goods, food service, nonwovens, and other industries to develop new materials and applications that reduce environmental impact while meeting rigorous performance standards.

With headquarters in Seoul, Korea and manufacturing facilities strategically positioned to serve global markets, CJ Biomaterials is committed to scaling sustainable material solutions that accelerate the transition to a circular bioeconomy. CJ Biomaterials also has dedicated teams in Woburn, MA, USA and Frankfurt, Germany.

Algenesis Labs is a materials science and technology company dedicated to solving the microplastics crisis. Our patented Soleic® technology is the world's first high-performance, biobased, fully biodegradable polyurethane. Made from renewable plant-based feedstock, Soleic offers a low carbon footprint while delivering high performance. At end-of-life, it breaks down completely with no harmful microplastics left behind. Soleic is being used in footwear, coated fabrics, consumer goods, and other applications.

We thank our Partners

Supporter

Media Partner

We thank all Attendees

SPONSORS

Gold Sponsor

KA SUONO

Silver Sponsor

CJ BIOMATERIALS

soleic® by ALGENESIS

COVATION BIO™

Media Partner

K-PROFI
Impulse für Kunststoffverarbeiter | www.k-profi.de

plasticker
the home of plastics

kunststoffland NRW e.V.

Adsale Plastics Network
AdsaleCPRJ.com
Industry Insight · Business Connect

BLASFORMEN & EXTRUSIONSWERKZEUGE

Plásticos UNIVERSALES
Interempresas media

Emma Fiorentino Argentina

Packaging AUSTRIA

Packaging POLSKA

CONVERTER Flessibili - Carta - Cartone

PK KOREA PLASTICS

CHEMICAL INDUSTRY DIGEST

Supporter

eu bp

nova

© IMPRINT
2025 Polymedia Publisher GmbH
Hackesstr. 99 | 41066 Mönchengladbach, Germany
Phone: +49 (2161) 664864
Handelsregister: Amtsgericht Mönchengladbach | HR B 11601
Geschäftsführer (CEO): Dr Michael Thielen
www.bioplasticsmagazine.de | mt@bioplasticsmagazine.de