



## Get Ready for Business Meets Science – Connect at DNC 2025!

Dear DNC 2025 Participant,

We're excited to welcome you to the **Business Meets Science side-event at the Dresden Nexus Conference on 9 April 2025!** As part of our effort to create a dynamic networking atmosphere even before the event, we are proud to present our 15 participating companies and institutes. This newsletter introduces you to a diverse range of innovative partners who are shaping the future of sustainable resource management in Saxony and beyond. From innovative solar solutions and eco-friendly industrial cleaning technologies to groundbreaking sustainable practices, **each participant offers unique insights and opportunities for collaboration.** Be sure to visit their stands, connect directly with their experts, and take full advantage of this exceptional conference network to spark new partnerships and drive sustainable innovation.

**Below, you will find a detailed profile of each participant in alphabetical order.** We encourage you to read about their contributions and come prepared to engage with them during the event. Don't miss the special highlights: experience the immersive adventure "Journey to the Arctic" by Heartucate and taste the delicious algae ice cream from ALGENWERK. We also recommend to attend the sessions of LMBV about post-mining land restoration and the session of ZEUSS Central EU Service Saxony with insights on EU research collaboration, and afterwards visit their stands for direct answers. **Please contact us if you'd like to book a direct meeting with one of the exhibitors or need more detailed information before the conference.**

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## Algenwerk (PUEVIT) – Sustainable Algae Solutions for a Greener Future

Algenwerk, operating under the PUEVIT banner, is at the forefront of harnessing microalgae technology to drive sustainable resource management. By focusing on the cultivation and processing of algae, **Algenwerk develops innovative bio-based raw materials that not only reduce CO<sub>2</sub> emissions but also offer renewable alternatives to conventional chemicals.** Their technology is designed to capture carbon effectively, turning it into valuable resources for various industries such as food, cosmetics, and even bioenergy. Through close collaboration with local research institutions and industry partners, Algenwerk is paving the way for scalable, sustainable solutions that address both environmental and economic challenges. Their participation in Business Meets Science will provide a platform to discuss the integration of algae-based processes into broader circular economy strategies and to explore potential partnerships for expanding the application of this promising technology. Visit their website for further insights: <https://algenwerk.de/>. Algenwerk's innovative approach demonstrates the potential of biological solutions to transform the resource landscape, making them a key partner in the Nexus community.

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## CARBOCON – Sustainable Transformation with Carbon Concrete

CARBOCON is at the forefront of revolutionizing the construction industry through carbon concrete technology. Unlike conventional steel-reinforced concrete, **carbon concrete uses carbon fibers, which drastically reduce CO<sub>2</sub> emissions, enhance durability, and optimize resource efficiency.** This innovative approach lowers material consumption and extends the lifespan of infrastructure, making it a game-changer for sustainable construction. As a consulting and engineering specialist, CARBOCON supports clients from the initial concept to project realization, ensuring that sustainable building solutions are integrated seamlessly. Their expertise is key in developing future-proof infrastructure, contributing to the shift towards a circular economy in the construction sector. At DNC, CARBOCON will share insights into the potential of carbon concrete for sustainable urban development and discuss new opportunities for collaboration. Visit their website <https://www.carbocon.de/en/> and stand to learn how their pioneering solutions can contribute to the transformation of the construction industry!

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## CTC Centre for the Transformation of Chemistry – For a Circular Economy

The Centre for the Transformation of Chemistry (CTC) is an innovative, large-scale research center **dedicated to transforming chemistry into a circular economy by leveraging renewable raw materials and recycling.** Covering a broad range of products and industries—from health and energy to fertilizers and consumer goods—CTC's mission is to replace fossil-based inputs with sustainable alternatives and drastically reduce environmental impact. In pursuit of this goal, CTC adopts a transdisciplinary approach by collaborating closely with partners from science, business, and society, ensuring that the transfer of scientific knowledge is embedded in its core operations. Currently being established in Delitzsch (Saxony) and Merseburg (Saxony-Anhalt), with preliminary offices in Leuna and at the Max Planck Institute for Colloid and Interfaces in Potsdam, CTC is set to become a new hub for cutting-edge research in Central Germany. By developing eco-friendly catalysts, integrating waste recycling into chemical manufacturing, and pioneering pilot projects that demonstrate low-carbon processes, CTC is bridging the gap between fundamental research and market-ready solutions. At Business Meets Science, CTC will share its evolving roadmap and recent breakthroughs, offering valuable insights into how

sustainable chemistry can drive innovation and environmental responsibility. For more information, visit: <https://transforming-chemistry.org/en/mission-en/>

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### futureSAX Platform – Empowering Innovation in Saxony

futureSAX serves as the central point of contact for innovation in Saxony, making the entire ecosystem and its players holistically visible. By connecting innovators from science and industry across sectors, futureSAX not only facilitates knowledge exchange but also actively stimulates cooperation and collaboration, thereby strengthening the culture of innovation in the Free State. Through a variety of targeted measures, including mentorship programs, funding access, and dedicated networking events, **futureSAX provides growth impulses for future-oriented innovations while enhancing the transfer of capital.** These Saxony-wide formats foster inter-group experience sharing, which in turn increases the overall effectiveness of innovation processes and supports sustainable business models. At Business Meets Science, futureSAX will highlight successful case studies and best practices from the region, offering valuable insights into how local enterprises can leverage innovation to boost sustainability and competitiveness. Their comprehensive approach not only drives economic growth but also ensures that environmental considerations remain integral to business strategies. For more information, please visit: <https://www.futuresax.de/en/>. futureSAX's commitment to nurturing and empowering innovative ideas makes it an essential partner for any organization looking to thrive in today's rapidly evolving market landscape.

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### GeoSN – Saxon State Office for Geospatial Data – Mapping Solutions

GeoSN plays a pivotal role in sustainable resource management by providing high-quality geospatial data and surveying services across Saxony. As a key partner in regional planning and environmental monitoring, **GeoSN supports the development of digital maps, 3D models, and digital twin technologies that enable informed decision-making in urban planning, environmental protection, and infrastructure development.** Their expertise in geoinformation is critical for integrating spatial data into broader sustainability strategies, allowing companies, researchers, and policymakers to visualize and analyze complex interactions between environmental resources across various scales. At Business Meets Science, GeoSN will demonstrate how advanced geospatial solutions facilitate the efficient management of water, energy, and land resources while reducing environmental impact. Their hands-on sessions will showcase innovative applications—from real-time mapping to scenario simulations—empowering businesses to harness geodata for strategic planning and sustainable innovation. This is an invaluable opportunity for companies seeking to align their operations with cutting-edge digital technologies, ensuring more resilient and environmentally responsible practices. For further insights, visit their website: <https://www.geosn.sachsen.de/>. Please note that all data can only be provided in German language.

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### Heartucate – Innovative Science Communication Through Augmented Reality

Heartucate believes that sustainable resource management applies not only to environmental sciences but also to how they develop and distribute digital education tools. By leveraging Augmented Reality (AR) and digital learning formats, they reduce the need for physical materials while making complex scientific topics more accessible. Their AR-based experiences, such as *Journey to the Arctic* or *MISSION ATTO*, highlight the impact of climate change, encourage reflection on human actions, and foster an understanding of real-world sustainability practices. Instead of one-time-use materials, Heartucate's scalable, reusable, and adaptable applications allow institutions to integrate immersive learning into diverse environments without excessive resource consumption. As a pioneering EdTech company based in Leipzig, Germany, **Heartucate**

**specializes in AR for science communication, multiplayer learning experiences, and custom digital outreach solutions**, ensuring that effective science communication remains engaging, interactive, and accessible. By offering day licenses through their online shop <https://shop.heartucate.eu/> Heartucate ensures that innovative educational content is accessible globally. This approach bridges the gap between research institutions, educators, and the public, making scientific knowledge tangible, understandable, and impactful. Heartucate offers education for the future – without compromising the resources of tomorrow.

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## Heliatek – Pioneering Flexible Organic Solar Films

Heliatek is a technology leader in flexible organic photovoltaics, driving the transition to more sustainable energy use. By leveraging a proprietary roll-to-roll vacuum deposition process, Heliatek produces ultra-thin, lightweight solar films that can be integrated into various surfaces – from building facades and industrial roofs to vehicles – turning them into efficient, eco-friendly power generators. **This approach requires minimal resources compared to traditional solar panels, helping to reduce the carbon footprint of both new and existing infrastructure.** As a Dresden-based company, Heliatek focuses on making solar power more accessible and versatile. The flexibility of their solar films allows for seamless integration into curved or complex surfaces, unlocking new possibilities in architectural design and green construction. By tapping into renewable energy in this innovative way, Heliatek contributes to integrated resource management and supports the Nexus community’s broader sustainability goals. At Business Meets Science, Heliatek will demonstrate how its organic solar films can be a game-changer for businesses, researchers, and policymakers seeking clean energy solutions. To learn more, please visit: <https://www.heliatek.com/en/>. Heliatek’s breakthrough in flexible photovoltaic technology represents a vital step toward a greener, more resource-efficient future.

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## intelligent fluids – Eco-Friendly Industrial Cleaning Solutions

Leipzig-based intelligent fluids is a trailblazer in sustainable industrial cleaning solutions. **The company is dedicated to revolutionizing the cleaning industry by developing biodegradable cleaning agents that avoid the use of toxic chemicals.** Their innovative process replaces harmful solvents with water-based, eco-friendly alternatives, significantly reducing the environmental impact of industrial cleaning. Intelligent fluids’ flagship product, “Fluid 3.0,” is composed of over 95% organic raw materials, including surfactants derived from maize and rapeseed waste. This breakthrough not only ensures high-performance cleaning but also maintains environmental responsibility and cost efficiency. With numerous awards under its belt, such as the Fit2Clean Award 2023 and the Global Green Product Award 2021, intelligent fluids is recognized for its commitment to the UN Sustainable Development Goals. Their approach sets a new benchmark in the industry, proving that high-quality cleaning can be achieved sustainably. For more details, please visit: <https://intelligent-fluids.com/>. Their presence at Business Meets Science provides a unique opportunity for companies to engage in discussions on green innovation and sustainable industrial practices.

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## LMBV – Rehabilitating, Flooding and Reclaiming of Former Open Pits

LMBV (Lusatian and Central-German Mining Administration Company) is a cornerstone in **addressing one of Eastern Germany’s biggest challenges: the rehabilitation, flooding, and reclamation of former open pits in the lignite regions.** Established in 1995 and owned by the Federal Republic of Germany, LMBV has transitioned from lignite production to the comprehensive restoration of approximately 100,000 hectares of mining-affected land. So far,

over 12,000 hectares have been reclaimed for agricultural use, while more than 37,000 hectares of new wooded areas have been established by planting over 1,000 million trees. In addition, LMBV has rebalanced water resources by recharging aquifers and flooding mining lakes – 90% of the larger 46 open mining lakes have reached their final water levels. With a 30-year track record, LMBV not only secures decommissioned sites but also supports the structural change of the regions through sustainable landscape transformation. Their extensive experience in rehabilitation and reclamation is critical for paving the way toward a greener future. Don't miss the session of CEO Torsten Safarik, who is one of DNC's keynote speaker talking about post-mining land restoration. At Business Meets Science, LMBV will highlight how these efforts contribute to sustainable resource management and drive regional transformation. For more details, visit: <https://www.lmbv.de/>.

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### pre•matter – Reimagining Raw Materials for a Sustainable Future

pre•matter is an innovative company dedicated to transforming waste streams and low-value byproducts into high-quality, eco-friendly resources. With a strong commitment to the circular economy, **pre•matter employs advanced processing technologies to convert what was once considered waste into valuable inputs for industries such as construction, consumer goods, and more.** Their approach not only minimizes waste but also enhances resource efficiency and reduces environmental impact, paving the way for sustainable production practices. pre•matter's technology exemplifies how rethinking raw materials can lead to a resilient, circular supply chain, offering new paradigms in resource management. For more insight, visit <https://www.pre-matter.de/>. At Business Meets Science, pre•matter will present its breakthrough solutions and engage with innovators, researchers, and industry leaders to explore potential collaborations. This is a unique opportunity for participants to see how sustainable material transformation can drive innovation and contribute to a greener future.

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### RKW Saxony – Driving Growth and Sustainability for Enterprises in Saxony

RKW Sachsen GmbH is one of the leading business developers for small and medium-sized enterprises (SMEs) in Saxony, focusing on consulting, funding support, and professional training. Through management and digitalization workshops, as well as access to subsidies, **RKW Sachsen helps businesses innovate, streamline operations, and remain competitive in a rapidly evolving market.** By coordinating business networks, the organization fosters collaboration among diverse stakeholders, enabling companies to share knowledge and resources that further boost their growth potential. In addition to its core consulting services, RKW Sachsen also acts as a project coordinator—particularly in sustainability projects—guiding companies through the implementation of innovative, eco-friendly solutions. This approach not only enhances corporate social responsibility but also strengthens a company's market position by aligning its operations with emerging trends in sustainable resource management. Through these comprehensive offerings, RKW Sachsen plays a crucial role in shaping a resilient and forward-thinking SME landscape across Saxony, learn more here: <https://www.rkw-sachsen.de/>. At Business Meets Science, RKW Sachsen will showcase how its holistic approach to business development, funding access, and sustainable innovation can benefit organizations seeking to thrive in the modern economy.

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## TUD|excite – Excellence Center for Innovation, Transfer and Entrepreneurship

Excellence Center TUD|excite at TU Dresden is a pioneering platform dedicated to facilitating research transfer and technological innovation. By bridging the gap between cutting-edge academic research and real-world industrial applications, TUD|excite fosters collaborations that drive sustainable resource management and economic growth. **Through tailored mentoring programs, funding support, and comprehensive technology transfer initiatives, the center empowers startups and established companies alike to harness breakthrough innovations developed at TU Dresden.** Their holistic approach ensures that innovative ideas are transformed into market-ready solutions, contributing to environmental sustainability by optimizing resource use and reducing waste. At Business Meets Science, TUD|excite will highlight successful collaborations and share best practices for transferring research into practice. This is a unique opportunity to learn how academic expertise can be leveraged to gain a competitive edge and accelerate sustainable innovation. With a strong network and a proven track record, Excellence Center TUD|excite stands as an indispensable partner for those looking to shape a greener, more sustainable future. For more details, please visit: <https://tu-dresden.de/forschung-transfer/transfer/tud-excite>

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## VIADUCT TECHNOLOGIES – Empowering Digital Transformation

VIADUCT TECHNOLOGIES is a dynamic technology partner committed to fostering sustainable resource management through digital transformation. Specializing in the development of innovative software and hardware solutions, the company aims to streamline processes, optimize resource utilization, and support data-driven decision-making across industries. By integrating advanced analytics, real-time monitoring, and automation, VIADUCT TECHNOLOGIES helps companies reduce waste, enhance efficiency, and transition towards a more sustainable operational model. Their digital tools not only improve process transparency but also enable proactive management of resources, making them a key player in the evolving landscape of environmental sustainability. Learn more about their sustainable digital solutions here: <https://viaduct-technologies-gmbh.jimdosite.com/>. At Business Meets Science, VIADUCT TECHNOLOGIES will showcase their latest innovations and demonstrate how digital solutions can bridge the gap between traditional resource management practices and cutting-edge sustainable technologies. Their participation highlights the critical role of digital transformation in driving the circular economy and underlines the importance of collaborative innovation within the Nexus community.

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## WTC World Trade Center Dresden – Connecting Saxony to Global Markets

WTC Dresden is a pivotal institution that connects regional businesses with international markets through its membership in the World Trade Centers Association (WTCA). **By fostering global trade and investment, WTC Dresden promotes sustainable business practices and serves as a hub for cross-border cooperation.** Their commitment to integrating sustainability into commerce is reflected in various initiatives that support resource-efficient strategies and environmental responsibility. At Business Meets Science, WTC Dresden will emphasize the role of international networking in driving sustainable growth, offering insights into how businesses can leverage global partnerships to enhance their market presence. The center also provides tailored support for companies looking to expand their reach, whether through trade missions, strategic partnerships, or expert consultations on sustainable practices. For more information, please visit: <https://www.wtc-dresden.de/en/home.html>. WTC Dresden's extensive network and expertise make it an invaluable partner for businesses eager to embrace innovation and sustainability in an increasingly competitive global market.

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## ZEUSS Central EU Service Saxony – Gateway to EU Research Funding

ZEUSS – EU Service Saxony is an essential resource for universities, research institutes, companies, and other stakeholders seeking to secure funding from Horizon Europe, the European Union’s flagship program for research and innovation. By offering a broad range of support and advisory services, ZEUSS helps increase the participation and success rate of Saxon project proposals, especially those focused on environmental innovation and resource management. **Through professional guidance at every stage – from initial project ideation to final reporting – ZEUSS ensures that applicants receive expert input on proposal writing, partnership building, and cross-border networking.** This hands-on approach not only enhances the international competitiveness of Saxony as a research and innovation region, but also empowers organizations to transform scientific insights into actionable, funded projects. At Business Meets Science, ZEUSS will host a dedicated Q&A stand following their session on EU research collaboration, giving participants the chance to ask targeted questions, learn about forthcoming EU funding calls on Nexus approaches, and gain practical advice on shaping proposals to meet EU framework conditions. If you are looking for direct feedback on your ideas or want to explore potential partnerships for sustainable projects, be sure to visit ZEUSS’s stand at the exhibition space. For further details, visit: <https://zeuss-saxony.de/en/>.

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We look forward to seeing you connect with our partners at Business Meets Science. This diverse network of participants drives collaboration and sparks innovative solutions for sustainable resource management. Each contributes dynamically to the Nexus community, exploring the vast potential for transformation. Together, we can shape a greener, more sustainable future and inspire one another.

Dresden Nexus Conference – DNC 2025  
Organizing Team