New Digital Learning Environment for Sustainable Nanomaterials Now Live on Our "Digital Learning for Sustainable Development" Platform

Hamburg, 12 August 2025

We are pleased to announce the official launch of the **CheMatSustain Facility**, an innovative digital learning and collaboration environment now featured on our university's *Digital Learning for Sustainable Development* page. This open-access platform supports knowledge exchange, interdisciplinary collaboration, and public engagement in the emerging field of **safe and sustainable nanomaterials**.

Developed as part of the European research project **CheMatSustain**, the Facility is designed to serve **students, researchers, staff, and the general public**, including professionals and citizens interested in sustainability, materials science, and environmental health.

What Is CheMatSustain?

CheMatSustain is a collaborative European research initiative aimed at improving the environmental and human health profile of nanomaterials—tiny chemical substances found in a wide range of products, from cosmetics and waterproof clothing to batteries and paints. While these materials play a crucial role in innovation, many questions remain about their long-term impacts.

CheMatSustain brings together **researchers, industry partners, policy makers, and public voices** to co-create knowledge, develop safety guidelines, and promote responsible production and consumption of nanomaterials.

About the CheMatSustain Facility

The CheMatSustain Facility is a **digital hub** that connects various stakeholders across science, policy, and society. Through this platform, users can:

- Access reliable, up-to-date information about nanomaterials and their environmental implications
- Explore tools that support decision-making in research, policy, and industry
- Participate in events, workshops, and educational activities tailored to different audiences

The project CheMatSustain under No. 101137990 has received funding from the European Union under the Horizon Europe Programme.

Empowering Our Faculty Community—and Beyond

The CheMatSustain Facility offers rich educational content and practical tools that empower members of our **Faculty of Life Sciences**—both students and employees—to engage as informed contributors to societal challenges around chemical safety and sustainability. This course grows and brings the latest findings in this field as we are advancin**Empowering Our Faculty Community—and Beyond**

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Whether you're a student exploring career paths in green technology, a faculty member seeking to integrate sustainability into your teaching, or a citizen curious about nanomaterials and their use in everyday products, the platform offers accessible, science-based insights into the world of nanomaterials.

Designed with and for the Public

This learning environment was **co-developed** with contributions from scientists, industry experts, NGOs, policy makers, educators, and citizens. It reflects a shared commitment to transparency, accessibility, and sustainability.

Students and staff are encouraged to **stay involved**, not only by using the platform for research and learning, but by helping shape future outreach content in collaboration with the CheMatSustain team.

Why Public Engagement Matters

As nanomaterials become increasingly present in consumer products, **public understanding and involvement are vital**. CheMatSustain is working to close the information gap and build trust by offering:

- **Workshops for schools** with age-appropriate learning tools
- **Digital updates** from research teams and project partners
- **Career pathways** and networking opportunities for those interested in sustainable innovation

Stay Connected and Get Involved

The CheMatSustain Facility officially launched on **June 27th**, and we invite our entire university community—as well as the wider public—to explore the platform, follow the project, and help co-create a sustainable future.

You can find the CheMatSustain Facility via the CheMatSustain Facility section of our website, or directly through the project's online channels:

- **Website:** https://chematsustain.eu
- **Follow on LinkedIn:** https://www.linkedin.com/company/chematsustain/

Join us on our sustainability journey! Subscribe to our newsletter to get the latest updates, insights, and discoveries in the world of chemicals and nanomaterials—delivered straight to

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