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Our motivation to develop new types of bioplastics is based on the need to defossilize the economy and promote the circular economy. PLA plays a key role here, as it is bio-based and biodegradable and can be equipped with material properties that are comparable to those of petroleum-based plastics.”

Dr. Antje Lieske | Fraunhofer CCPE
Head of Department Polymer Synthesis | Fraunhofer IAP



The future of the circular economy – Networking and new business models in focus

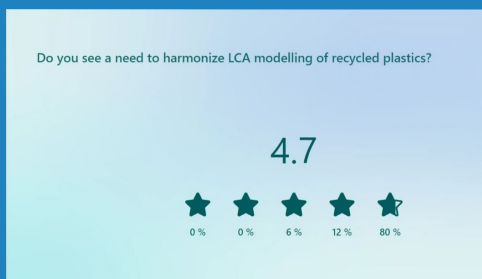


What topics are currently important for the circular economy
Prof Dr. Manfred Renner, Head of the Fraunhofer Cluster Circular Plastics Economy CCPE, talks about the current challenges and opportunities. From necessary guidelines, like the national circular economy strategy, to the importance of multi-stakeholder cooperation, such as the Circular Valley Convention in Düsseldorf in March 2025.

[TO THE INTERVIEW](#)

News from the CCPE research

SURVEY: Need for harmonisation of life cycle assessments with a focus on recycling



In the CCPE SolvLCA project, Fraunhofer IVV and UMSICHT successfully demonstrated the discrepancy in the presentation of life cycle assessments for recycled plastics. Harmonisation under

Jonathan Haas, new member of the dual leadership of the Research Department ‘Application and Demonstration’



We are delighted to introduce Jonathan Haas, who now leads the Research Department ‘Application and Demonstration’

international guidelines is planned. Based on the results of the CCPE compact on 'Impacts of recycled plastics - A stakeholder approach to find consensus in LCA', we would like to invite you to participate in our survey until 20 September 2024 and provide your input.

[TO THE SURVEY](#)

together with Sabrina Schreiner. In this interview, Jonathan gives us an insight into how he and his team develop technology demonstrators that visualise the relevance and applicability of innovations on an industrial scale and what goals he is pursuing for the circularity of materials.

[MORE INFO](#)

Innovative plastic film material made from PLA bioplastic



A team from the Fraunhofer Institute for Applied Polymer Research IAP has succeeded in developing a flexible and recyclable film material based on the bioplastic polylactide (PLA) and enabling its commercialisation. The researchers were awarded the Joseph von Fraunhofer Prize 2024 for their work.

[MORE INFO](#)

Chemically recycled bioplastic achieves the quality of virgin material



Bio-based polybutylene succinate (PBS) is a promising development on the road to more sustainable plastics. Thanks to chemical recycling, recycled PBS now also achieves the quality of virgin material.

[MORE INFO](#)

You can meet us here

October 23 - 24, 2024

**Fraunhofer CCPE at the AMI
Plastics Recycling Technology in
Vienna**

[MORE INFO](#)

December 5, 2024

**Fraunhofer CCPE compact
"Emission and odor optimization
in plastics and recyclates"**

[MORE INFO](#)

March 12 - 13, 2025

**Fraunhofer CCPE at the Circular
Valley Conventiion**

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