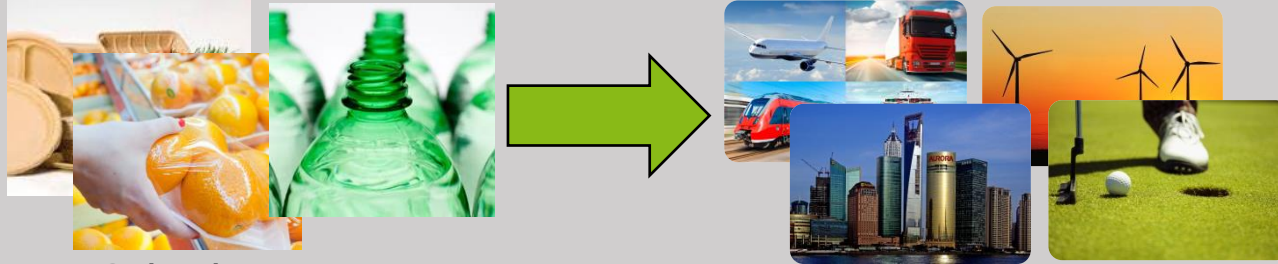


Bio-based Composites



The Objective:

Bio-based polymers are already established in the packaging industry, the further potential in industrial applications, especially in composites remains to be discovered. The project aims to evaluate the potential for future applications of bio-based composites. It provides a comprehensive investigation and documentation on the current and future markets, an overview about technical challenges and requirements and analyses most promising applications within business cases.

Our Content:

- Market segmentation and application analysis
 - Classification of different segments
 - Potential analysis
- Technical requirements of upcoming part & products
 - E.g. technical or governmental requirements
 - State-of-the-art value chains, processes and materials
- Strengths and challenges over traditional materials
 - Opportunities in comparison to current composites materials
- Technology matching
 - Matching of bio-based composite materials with existing and upcoming applications
 - Business case analysis for selected applications

Your Benefits:

- Reveal the potential for bio-based composites
- Pre-competitive insights in trends and markets for bio-based composites
- Get to know exemplary players and today's technologies
- Cost sharing while having full results
- Networking across a common subject



Joint Market- and Technology Study: Bio-based Composites Description of the work packages

Joint Market- and Technology Study: Bio-based Composites Project Procedure and Participation Fee

Joint Market- and Technology Study: Bio-based Composites Biopolymer Market – Size and Growth

Joint Market- and Technology Study: Bio-based Composites Questions to be Answered and Results

Bio-based Polymers are established in the Packaging Industry:

Further Potentials for Industrial Applications?

- Bio-based Polymers + Carbon/ Glass Fibers
- Bio-based Polymers + Natural Fibers
- Conventional Polymers + Natural Fibers
- Hybrid Fiber Reinforcements for Bio-based or Conventional Polymers: Natural Fibers + Carbon/ Glass Fibers

Markets and Future Market Potentials

- What are the current markets, applications, customers, suppliers?
- What are the most interesting market segments in growth and size?
- What are promising future applications for bio-based composites?

Materials, Material Combinations and Production Technologies

- What are technical requirements and limitations of bio-based composites? (Mechanical, optical, haptical, chemical, electrical?)
- How should production technologies and value chains for bio-based composites look like?

Business Case Analyses

- What are the resulting costs in comparison to conventional composite part production?

Results

- Current markets and future market potentials (identification of hidden business potentials)
- Technical challenges and requirements
- Selection and analysis of most promising applications
- Business case analyses

(Sources: | Mobility Buildings & Infrastructure Energy Consumer, Sports, Leisure | AZL - Excellence in Lightweight Production | 2

Participation fee
6,000.00 € per participant

Project start: October 22nd, 2020
Duration: 5 months

Please contact for information and individual offer:

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