



Digital Materials and Product Passport for Composites – Status Quo and Outlook

A joint meeting of the CU Working Group Sustainability and the DigiPass project

On November 05, 2024, 1:00 pm – 4:30 pm, Online via CU-MixUp World

Moderation: Dr. Bastian Brenken, CU

The CU working group “Sustainability” is one of the most active working groups of the Composites United network. In this next WG meeting, we join forces with the DigiPass project consortium to give an overview of current developments and projects in the field of Digital Materials and Product Passport (DMPP) for Composite Materials. By many, the DMPP concept is seen as an essential tool to carry information along the value chain to enhance and simplify the circularity of products, e.g., a simpler reuse or recycling. In addition, a better availability of information can foster the overall innovation process. However, key challenges need to be solved: How can relevant IP be protected efficiently? How can the players along the value chains be convinced to participate?

Join us to find out more and to discuss this topic with us.

CU Online!

Agenda	WG-Meeting „Sustainability” & DigiPass project meeting, 05.11.2024
12:45 pm	Login und and Warm up
1:00 pm	Welcome and News from Composites United e. V. Dr. Bastian Brenken, Composites United e. V.
1:10 pm	Introduction of the DigiPass project Dr. Natalia Konchakova, Hereon
1:30 pm	Speed-Dating in the MixUp-World The participants are randomly assigned to other ones for brief 3-minute introductions. Key points/questions to be addressed: <ul style="list-style-type: none">- Personal introduction (Name, Company, Position)- What are my points of contact with a digital material and product pass?- Why is this topic interesting to me?
2:00 pm	Digital Materials and Product Passport for Composites – Current development and projects Dr. Bastian Brenken, Composites United e. V.
2:30 pm	Workshop – Introduction
2:40 pm	Workshop – Discussion of 3 topics in smaller groups in a rotating principle (20 min each) <ol style="list-style-type: none">1. Required data and data storage<ol style="list-style-type: none">a. What key information (material, part, assembly, etc.) need to be considered for a Composites DMPP?b. What kind of information could be shared?c. How should data formats look like?2. IP protection and data management<ol style="list-style-type: none">a. How can IP be secured in a proper way (e.g., access through secured platforms or similar)?



- b. How can all players along the value chain be convinced to participate and provide their data (e.g., economic incentives)?

3. Utilization and Commercialization

- a. How should a DMPP be made accessible for the players along the value chain (e.g., platform access through user accounts)?
- b. How can an exploitation instrument (e.g., a platform) of the Composites DMPP be run economically sustainable?
- c. Who should run it (a company, an authority, etc.)?

3:40 pm **Brief presentation of the results by the moderators of the groups**
5 min each

3:55 pm **Wrap up and next steps in the DigiPass project**
Dr. Natalia Konchakova, Hereon
Dr. Bastian Brenken, Composites United e. V.

4:05 pm **Transition to a free networking in the CU MixUp world**

4:30 pm **End of Event**

