

MINUTES

“Connecting through Innovation”

CEUP 2030 - Conference on
Smart Materials and Digitalization

Monday
23rd November 2020





D.C.4.2 CEUP2030 Conference in Saxony	Date:	2020-11-23	Time:	13:00-15:00
	Location:	Online-Conference MS Teams Dresden		
	Participants:	27		

Minutes of the conference

I) Welcome & Introduction to the Project CEUP 2030

(13:10-13:23 hrs) Laura Salomon

The audience was introduced to the frame and the reason to be of the conference - the Interreg Project CEUP 2030 (Central Europe Upstreaming for Policy Excellence in Advanced Manufacturing & Industry 4.0 towards 2030). The basis of CEUP 2030 was explained as well as the key terms and current activities, helping the audience to properly locate the conference in the project frame. Furthermore the conference gathering was used to make a call for the next Policy Learning Labs planned and the TIN Trend Tech Dialogue Meetings. Additionally, impressions of the past activities were shortly presented.

II) Smart Materials - Intelligent All-rounder for Product Development

(13:24 - 13:55 hrs) Dr. Kenny Pagel

Dr. Pagel gave a comprehensive introduction to the field of smart and new materials and how they can be implemented in real life applications. First, he introduced the different materials types within that materials class and their characteristics. After that best practice examples were explained, finishing with a summary and outlook. Smart materials, operating as sensors and actuators alike, are the hardware-side basis for digitalization and industry 4.0 applications.

III) smart³ - An Industry-driven, Cross-disciplinary Innovation Network in the Field of Smart Materials

(13:55 - 14:14 hrs) Laura Salomon

Following from the presentation of Dr. Kenny Pagel it was made clear that in modern times smart materials products have the need of involving many different scientific disciplines to be successful and to overcome complexity issues in design. Therefore the smart³ innovation network was a good ground to highlight how those challenges can be tackled. The smart materials network is focused on Eastern German regions and cross-disciplinary approaches in product development. Some of their activities in the area of investigation and training but also addressing the interested public were presented.



IV) Digitalization - Endeavors of the Saxon Industry

(14:14 - 14:40 hrs) Andreas Philipp

As the network activities pointed out, many of the companies involved are, so far, regional SMEs which gave Mr. Andreas Philipp a proper stage to introduce the innovation and industry landscape of Saxony and Chemnitz. He focused on industry development over the last centuries, identified crucial industry areas, trends as well as challenges that companies are facing. He spoke about key terms in digitalization and processed them in concrete project examples like [safe-UR-chain](#) and others.

V) Welcoming to DIH innosax, Trinity & Mittelstand 4.0

(14:40 - 15:00 hrs) Anton Mauersberger

The conference afternoon was rounded off with a welcoming word of the Saxon Digital Innovation Hub innosax. It supports companies in their challenge to get digital solutions and combines the competencies of digital Saxony. The opportunity was used to introduce another platform, too, which connects European regional networks and partners, the TRINITY platform, and announce future open calls. Lastly, the competence center Mittelstand 4.0 in its Saxon representation was informing about upcoming events, projects and past successes. The competence center is one of 26 centers across Germany. Implementation projects built a proper finish for the day.

VI) Question Round & Networking Opportunity

(within the possibilities of a virtual setting)

We thank all the participants of the conference and looking forward to the CEUP 2030 - Midterm Conference in April 2021.