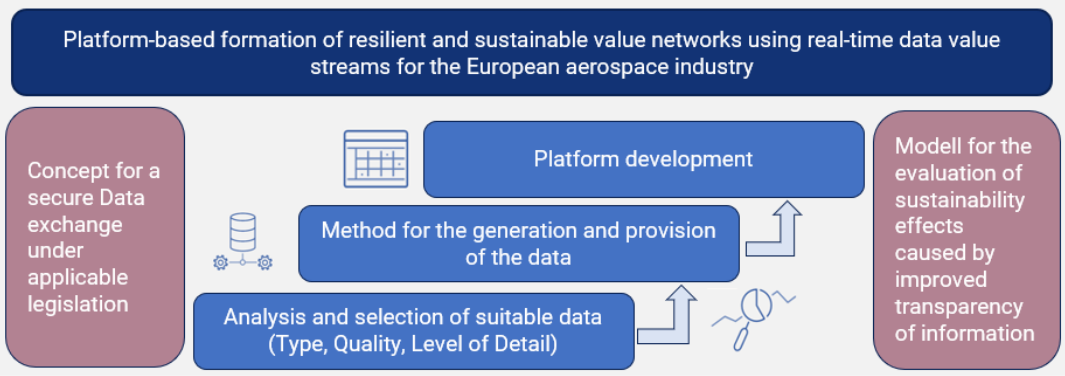


Horizon Europe PROFILE FORM

Organization Name / Department	University of Technology Chemnitz Professorship of factory planning and intra logistics	Organization Short Name	TUC -FPIL
Organization Type	<input checked="" type="checkbox"/> University <input type="checkbox"/> Public Research Centre <input type="checkbox"/> Large Scale Enterprise <input type="checkbox"/> Small and Medium Scale Enterprise	<input type="checkbox"/> Public Body <input type="checkbox"/> International NGO <input type="checkbox"/> National NGO	
Research Fields	<ul style="list-style-type: none"> • Flexible, integrated production and logistics systems solutions, • Innovative approaches to the operating data acquisition and analysis, • Process monitoring and system diagnostics, • Development and validation of flexible, more responsive and robust production processes • Simulation of production and logistics processes 	<ul style="list-style-type: none"> • Digitalization of production • Project Management • Production Planning & Controlling • Logistics and Supply Chain • Resources and energy-efficient processes • Cooperations, Value Nets 	
Short Description of the Organization / Department	<p>The professorship of factory planning and intra logistics considers itself as a competent partner for the planning and operation of holistic production and factory systems. Basically our research is focused on the investigation as well as the development of future production structures. Hereby, we consider the current development in the progressive performance of information technology, increasing networking, shortage of resources and higher standards for production and factory systems</p>		
Previous Related Projects / Research Experience	<ul style="list-style-type: none"> • ProDaTEX - Data-driven production optimization through digitized process chains in the textile industry • K-M-I - Competence centre for transformed work in West Saxony with a focus on artificial intelligence • Mittelstand-Digital Center Chemnitz - Support for digital transformation for small and medium-sized companies • Factory2Fit - Empowering and participatory adaption of factory automation to fit for workers • eniPROD - Cluster of excellence »Energy-Efficient Product and Process Innovations in Production Engineering«. Sub-project: Energy-efficient systems and processes of logistics and factory planning • S-CPS - Resource cockpit for socio-cyber-physical systems Sub-theme: Intuitive man-machine interaction and efficient maintenance processes (funded by the Federal Ministry of Education and Research) • Plug_and_Control - Adaptive Smart Service Systeme zur Optimierung und Steuerung von Produktionssystemen auf Basis bedarfsorientiert konfigurierbarer Smart Data Bausteine 		

<p>Short Description of the Project idea (if foreseeable)</p>	<p>LurenDa – platform-based formation of resilient and sustainable value networks using real-time data value streams for the European aerospace industry</p> <p>The project idea is to develop a shared (locked) platform where n-tier suppliers of the aerospace industry share their process and production data (e.g. Quality, processing data, Material, logistics etc.) to improve the resilience and the ability to act in large and small, internal and external crises.</p> <p>Through an end-to end information networking along the supply chain a cross-sector collaboration along the value chain from product development to product utilization occurs. This transparency in the supply chain data enables companies to react in real-time in crises and make an active contribution to sustainability.</p> 
<p>Related Call/Topic</p>	<p>A suitable call for 2023 in pillar 2 – “global challenges and industrial competitiveness of Europe”, cluster 4 – “Digital, Industry and space” and Destination “Increased autonomy in key strategic value chains for resilient industry”</p>
<p>Contact Person</p>	<p>Franziska Baumgärtel</p>
<p>Position in the Organization</p>	
<p>Tel</p>	<p>+49 (0)371 531 38604</p>
<p>Email</p>	<p>Franziska.baumgaertel@mb.tu-chemnitz.de</p>