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Knowledge management in the digital trasformation (2)

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DIGITAL COLLABORATIVE SERVICES AND TOOLS FOR THE AERONAUTICS AND SPACE SECTOR

Abstract

The German GAIA-X lighthouse project (COllabOrative Processes and sERvices for AeroNauTics and Space) is intend to accelerate the digitization processes in the aerospace industry with the aim of overcoming more efficient forms for previous working methods and production processes over the entire life cycle of spacecraft and aircraft in order to strengthen the competitiveness of the industry in Germany and Europe. In particular, this includes opportunities for decentralized cooperation with local, national and international partners, distributed teams while complying with the necessary security requirements and for protecting one's own know-how in an industry characterized by high technology. Partners from large industrial companies, SMEs, start-ups and research institutions are part of the consortium. The main work packages of the project are: Data governance, data spaces, advanced smart services and pilot missions. These various smart services (digital program management, collaborative engineering, cyber-physical interfaces, verification processes along supply chain, augmented reality environment, dashboards and intelligent assistants) will be validated and verified in actual missions from the aeronautical and space sector. The project is embedded in the initiative of the German Federal Ministry of Economic Affairs and Climate Action (BMWK) to develop innovative and practical applications as well as data spaces in the GAIA-X digital ecosystem.