

## Examples of further collaborations through third party funding to mitigate climate change

### Focus on resource security and sustainable materials

Project	Funding Agency	Focus Area	Partners	Additional Information
<b>VIPCOAT</b>	EU Horizon 2020	Active corrosion protection coatings for transport applications	VUB, TU Delft, AkzoNobel, Airbus	Aims to create an open innovation platform for developing customized coatings
<b>Sure2Coat</b>	EU Horizon 2020	Sustainable manufacturing methods for aluminum	Various European partners	Focuses on reducing energy consumption and protecting recycled aluminum from corrosion in PCM
<b>COAT4Life</b>	EU Horizon 2020	Eco-friendly corrosion protective coatings	Various European partners	Develops coatings based on smart nanotechnology platforms
<b>DurAMat</b>	MSCA	Sustainable development of AM components and repair methods	6 Universities, 2 Research Centres, 5 Industrial Companies	Combines experimental research with multi-scale modelling and machine learning methods
<b>REPTIS</b>	EU Horizon 2020	Production technology for high-quality titanium powders	Various European partners	Aims to reduce dependence on non-EU sources for critical raw materials
<b>RETURN II</b>	EU Horizon 2020	Closed-loop recycling process for titanium scrap	Various European partners	Develops high-quality spherical alloy powders for additive manufacturing
<b>ADVANCE</b>	EU Horizon 2020	Design of lightweight, high-temperature tolerant TiAl alloys	Various European partners	Creates an accurate CALPHAD database for aero engine rotating blades
<b>EASI-STRESS</b>	EU Horizon 2020	Non-destructive residual stress characterization tools	Various European partners	Enhances industrial access to synchrotron x-ray and neutron diffraction
<b>Stir4Steel</b>	EU Horizon 2020	Joining methodologies for advanced-high strength steels and aluminum	Various European partners	Develops efficient, environmental-friendly, and cost-effective methodologies for multi-material designs