



# SuCoHS

SUSTAINABLE & COST EFFICIENT  
HIGH-PERFORMANCE COMPOSITE STRUCTURES  
DEMANDING TEMPERATURE  
AND FIRE RESISTANCE



## FINAL PUBLIC WORKSHOP OF THE PROJECT

**22<sup>nd</sup> of February 2022**

13:30-17:40

**23<sup>rd</sup> of February 2022**

8:30-16:15



The Final Public Workshop will be virtual, open and without registration fees. However, **registration is mandatory**.

To sign up, please send the following text:  
***"I wish to register to the SuCoHS Final Public Workshop on 22-23 February 2022"*** to:  
[dominika.behrendt@l-up.com](mailto:dominika.behrendt@l-up.com)

Once your registration is confirmed, you will receive the webex invitation.

**We are pleased to invite you to the Final Public Workshop of the SuCoHS project.**

In February 2022, SuCoHS will have run for three years and a half. It will be the perfect moment for the consortium partners to present their final achievements as well as complementary technologies of prominent European industrial partners outside the project consortium.

Immerse yourself in the universe of the SuCoHS demonstrators providing high resistivity against thermal, mechanical and fire loading! Live feature demonstrations and presentations will let you discover new material solutions, manufacturing technologies, sensor systems, simulation methods and physical testing to enable novel robust composite structures. Complementary virtual lab tours will let you discover the testing ground where the work was done. Feel invited to participate within dedicated discussion slots to emerge new ideas and networking opportunities. And take the opportunity to follow a plenary session debating current means for exploitation and development according to industrial needs. Don't miss out!

**Look out for the updates on the event on our website and LinkedIn:**

 [www.sucohs-project.eu](http://www.sucohs-project.eu)

 [@SuCoHS project](https://www.linkedin.com/company/sucohs-project/)



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[www.sucohs-project.eu](http://www.sucohs-project.eu)



## TUESDAY 22<sup>ND</sup> OF FEBRUARY 2022

Slot (CET)	Title of Presentation	Presenter's Name, Organisation
<b>13:30-13:50</b>	Connection to the Virtual Event Space, Check of Audio	-
<b>13:50-14:00</b>	Welcome by SuCoHS Project Coordinator	<b>Tobias Wille</b> , German Aerospace Center (DLR)
<b>14:00-14:10</b>	Greetings from Composites United	<b>Bastian Brenken</b> , Composites United Nord
<b>14:10-14:15</b>	Webex & Slido best practices	<b>Dominika Behrendt</b> , L-up
<b>14:15-14:40</b>	Introduction to the SuCoHS Project	<b>Tobias Wille</b> , German Aerospace Center (DLR)
<b>14:40-15:10</b>	Development of a Highly Complex Composite Nacelle "Inner Fixed Structure" Component Using Automated Fibre Placement and Multi-functional Materials	<b>Daniel Breen</b> , Spirit AeroSystems, Belfast (Northern Ireland)
<b>15:10-15:40</b>	Fire Response of SuCoHS Novel Material in Composite Fuselage Designs: Principles, Manufacturing and Testing	<b>Iñigo Ortiz de Zarate</b> , Aernnova Engineering Division
<b>15:40-16:10</b>	On the Feasibility of a New Robotic Alternative to Present Honeycomb Shell Structures in Aircraft Interiors	<b>Paolo Ballocchi</b> , Collins Aerospace
<b>16:10-16:30</b>	Coffee break	-
<b>16:30-17:30</b>	Panel discussion on "Challenges and Opportunities for Exploiting Composites Demanding High Temperature and Fire Resistance"	<b>Simon Waite</b> , European Union Aviation Safety Agency (EASA) <b>Joseph Pellettiere</b> , Federal Aviation Administration (FAA) And Industrial Representatives Moderator: <b>Martin Wiedemann</b> , German Aerospace Center (DLR)
<b>17:30</b>	Wrap-up by SuCoHS Project Coordinator	<b>Tobias Wille</b> , German Aerospace Center (DLR)
<b>17:40</b>	End of First Day of Workshop	-



# WEDNESDAY 23<sup>RD</sup> OF FEBRUARY 2022

Slot (CET)	Title of Presentation	Presenter's name, Organisation
<b>08:30-09:00</b>	Connection to the Virtual Event Space, Check of Audio	-
<b>09:00-09:10</b>	Welcome and Webex & Slido Best Practices	Tobias <b>Wille</b> , German Aerospace Center (DLR) Dominika <b>Behrendt</b> , L-up
<b>Sustainable Materials</b>	<b>09:10-09:25</b> Fire-related Use of Composite Materials in Helicopter Applications	Martin <b>Lazak</b> , Airbus Helicopters Germany
	<b>09:25-09:40</b> Material Development for a High Temperature Resistant Thin Ply Composite Based on a Modified Cyanate Ester Resin	Christian <b>Brauner</b> , University of Applied Sciences and Arts Northwestern Switzerland (FHNW)
	<b>09:40-09:55</b> Polyfurfuryl Alcohol Resins in Fire Resistant Applications of Advanced Composite Manufacturing	Hans <b>Hoydonckx</b> , TransFurans Chemicals
	<b>09:55-10:10</b> Hot Composite Materials for Ablative and Structural Applications	Bastien <b>Rivières</b> , Ariane Group
	<b>10:10-10:40</b> Discussion Time	Moderator: Benedikt <b>Kriegesmann</b> , Hamburg University of Technology
	<b>10:40-11:00</b> Coffee break	-
<b>Efficient Industrialisation</b>	<b>11:00-11:15</b> Industrialisation of Thin Ply Composite Manufacturing	Thomas <b>Ricard</b> , North Thin Ply Technology
	<b>11:15-11:30</b> Enhanced Manufacturing Solutions for Tailored Composite Structures with Novel Materials and Integrated SHM	Wilco <b>Gerrits</b> , Netherlands Aerospace Centre (NLR)
	<b>11:30-11:45</b> Online Tg and Viscosity Monitoring for Advanced Composites Manufacturing	Nikos <b>Pantelelis</b> , Synthesites
	<b>11:45-12:15</b> Discussion Time	Moderator: Hans <b>Hoydonckx</b> , TransFurans Chemicals
	<b>12:15-12:30</b> Lunch Break	-
	<b>12:30-13:30</b> Virtual Lab Tours and Feature Presentations	Thermomechanical Structural Test Facility (Thermex) at German Aerospace Center (DLR) Automated Composite Manufacturing at Netherlands Aerospace Centre (NLR)
<b>End-2-End Analysis</b>	<b>13:30-13:45</b> Perspective On Integrated Aircraft Health Monitoring	Rafik <b>Hadjria</b> , Safran Tech
	<b>13:45-14:00</b> Applications for Embedded FBG sensors in composite lifetime enhancement and monitoring	Gideon <b>Langedijk</b> , PhotonFirst
	<b>14:00-14:15</b> Enhanced Thermo-mechanical Analysis to Exploit Structural Reserves	Martin <b>Liebisch</b> , German Aerospace Center (DLR)
	<b>14:15-14:30</b> Simplified Fire Analysis Methodology to Support Fire Certification Tests	Iñigo <b>Ortiz de Zarate</b> , Aernnova Engineering Division
	<b>14:30-15:00</b> Discussion Time	Moderator: Markus <b>Grob</b> , University of Applied Sciences and Arts Northwestern Switzerland (FHNW)
	<b>16:00-16:15</b> Wrap-up Session	Tobias <b>Wille</b> , German Aerospace Center (DLR) Hauke <b>Lengsfeld</b> , Working Group on Fire Safety at Composites United
	<b>15:00-16:00</b> Virtual Lab Tours and Feature Presentations	Thermomechanical Structural Test Facility (Thermex) at German Aerospace Center (DLR) Automated Composite Manufacturing at Netherlands Aerospace Centre (NLR)
	<b>16:15</b> End of Final Public Workshop	

