



SuCoHS

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



FINAL PUBLIC WORKSHOP OF THE PROJECT

22nd of February 2022

13:30 - 17:40

23rd 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

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

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



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N° 769178.

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TUESDAY 22ND OF FEBRUARY 2022

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



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WEDNESDAY 23RD OF FEBRUARY 2022

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

