



morpho

Final Conference

30 January 2025

Vigo, Spain

#MORPHOFinal

www.morpho-h2020.eu



GA 101006854



Useful information

The meeting will be held in **Palacio de La Oliva**
www.palaciodelaoliva.com

Rúa Oliva, N°2-4. 36202, Vigo (Pontevedra)
<https://maps.app.goo.gl/t7XA5aXsPsrig7HY6>

The city centre of Vigo is compact and easy to explore on foot.

You can always order a taxi (+34 986 27 28 29) or check the bus lines from the public service [Vitrasa](#)

Agenda

08:00 **Registration. Poster exhibition & networking**

08:30 **Opening plenary**

- **Javier Pereiro**, *FEUGA General Manager*
- **Georgios Bampanis**, *Project Officer at CINEA, Aviation & Maritime, European Commission*
- **A Cognitive Paradigm to Life Cycle Management of Aeronautical Composite Structures: Challenges and Key Issues.** *Nazih Mechbal, Arts et Métiers Institute of Technology & Oscar D'Almeida, Safran.*

09:30

MORPHO Project Results

- **Smart injection RTM process based on innovative sensors and hybrid twin.** *Nikos Panteletis, Synthesites & Eric Monteiro, Arts et Métiers Institute of Technology*
- **Printed Sensors: Exploring New Opportunities for Structural Health Monitoring.** *Ingo Wirth, Fraunhofer IFAM & Marc Rebillat, Arts et Métiers Institute of Technology*
- **AI-based Structural Health Monitoring of composite structures.** *Theodoros Loutas, University of Patras*
- **De-assembling & Recycling aeronautics composites parts by Laser Shock Techniques and Thermal Treatment.** *Quentin Van Haute, Comet Groupe & Konstantinos Tserpes, University of Patras*

11:00

Coffee Break. Poster exhibition & networking

11:30

Sister Projects Introductions

- **INFINITE.** Aerospace Composites digitally sensorised from manufacturing to end-of-life. *Peio Olaskoaga, IDEKO: Centro Tecnológico Especialistas en Fabricación Avanzada*
- **CAELESTIS.** Hyperconnected simulation ecosystem supporting probabilistic design and predictive manufacturing of next generation aircraft structures. *Cristian Builes Cárdenas, AIMEN Centro Tecnológico*
- **GENEX.** New end-to-end digital framework for optimized manufacturing and maintenance of next generation aircraft composite structures. *José Luis Núñez. ITA: Instituto Tecnológico de Aragón*
- **DIDEAROT.** Digital Design strategies to certify and mAnufacture Robust cOmposite sTructures. *David Dumas, Cenaero: Centre de Recherche en Aeronautique*
- **DREAM-ON.** Real-time monitoring of evolutive structural damage from advanced sensing and simulation. *Ludovic Chamoin, ENS Paris-Saclay*
- **TURBO.** Towards tURbine Blade production with zero waste. *Nikos Panteletis, Synthesites*
- **THUMB-SI.** Development and Validation of a Thermoelastic Uncertainty Method for Interfaces in Space Instruments. *Alejandro M. Gómez-San-Juan, University of Vigo*

13:30

Lunch break. Poster exhibition & networking

15:00

World coffee sessions

Smart Manufacturing in Aviation: What's Next?

Moderated by Asmaa Messaoudi, ENSAM

- *Jan Koch, Fisens*
- *Nikos Panteletis, Synthesites*
- *Oscar, d'Almeida, Safran*

Structural Health Monitoring Systems: Is This the End of Traditional Inspections?

Moderated by Theodoros Loutas, University of Patras

- *Elena García Sánchez, European Union Aviation Safety Agency*
- *Thang Hung Le, Vestas*
- *Santiago Parente de Castro, Navantia*
- *Morteza Moradi, TU Delft*

Recycling in Composites Materials: Challenges and Opportunities

Moderated by Cristian Lira, National Composites Center

- *Quentin Van Haute, Comet*
- *Konstantinos Tserpes, University of Patras*
- *Felix Quintero, University of Vigo*
- *Jun Yin, Centexbel*

17:00

MORPHO demonstrator in action, Networking, Exhibition & Snacks

