

Summary of E-LASS seminar #17 in Las Palmas, Gran Canaria, May 3 – 4, 2023.

The 17th E-LASS seminar was held the 3rd to 4th of May in Las Palmas, Gran Canaria, Spain. The event was co-organized with EU project FIBREGY and hosted by ULPGC Universidad de Las Palmas de Gran Canaria and EnerOcean. As previously, the seminar was one day of conference, which ended with a joint dinner, and half a day of industry tour.

In the first session of the conference day, the results from the FIBREGY project were presented in terms of characterizing the fatigue behaviour of sustainable composite offshore structures, design, and fatigue assessment methodologies of W2Power FRP towers, manufacturing of FIBREGY demonstrators in FRP and digital twin for the predictive maintenance of offshore wind platform structures.



*Introduction to the FIBREGY project
given by Julio García.*



Lunch break

Before the lunch break, an update from the national networks, S-LÄSS (Sweden), D-LASS (Netherlands) and MariLight (Germany), gave us an insight of ongoing activities.

In the afternoon session, with the general E-LASS theme, Lightweight applications at sea, recent research and development were presented:

- COPROPEL project: Composite propeller design considering fluid-structure interaction.
- Nano-enabled multimaterials for new generation of Offshore turbine blades
- Use of FRP in the offshore industry and its impact on regulations
- HISTRATE - request for interview candidates on composites under strain
- Evaluation of composite materials for ro-ro space surfaces in LASH FIRE
- Material solutions for cost reduction and extended service life of wind offshore facilities

The conference was ended with an outlook on the Spanish marine industry and lightweight given by Benito Núñez Quintanilla, the Ministry of Transport, Mobility and Urban Agenda of Spain.



After an interesting conference day, the networking activities continued at the conference dinner, located at the beautiful beach in Las Palmas.

The following day, we gathered in the harbour for the industry tour, the presentation of the FIBREGY demonstrator, the W2Power FRP towers. After a careful and detailed inspection of the demonstrator, we were all satisfied with an interesting and rewarding E-LASS seminar.



Industry tour – presentation of the FIBREGY demonstrator, the W2Power FRP towers.

This event was **co-organized** with:



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