



Welcome to

E-LASS

The European network for Lightweight Applications at Sea

Las Palmas 3 May 2023

Co-organized with



Hosted by



Franz Evegren

Director of Fire Safe Transport

RISE Research Institutes of Sweden

RISE Research Institutes of Sweden

Several institutes in Sweden have merged into RISE, as of lately also including SSPA, in order to become a stronger research and innovation partner for businesses and society.



**RI
SE**

Facts about RISE

- Turnover ~400 million Euro
- 3 000 employees, 30 % PhD
- SME clients responsible for approx. 30 %
- RISE is owner/partner in over 120 unique test beds and demonstration facilities

Founded in 2013, E-LASS is a well-established European network for **L**ightweight **A**pplications at **S**ea with over 600 members in 32 countries.

Every year, the network meets for a seminar and industry tour to discuss innovative solutions and to enhance the use of lightweight materials within maritime and offshore sectors.



Hosted by



Co-organized with



E-LASS History

17. **May 2023, EIIC - Las Palmas, Spain**
16. September 2022, *Ulstein Business Forum/Blue Maritime Cluster* - Ulsteinvik, Norway
15. November 2021, *Naval Group* - Nantes, France
14. June 2021, Webinar
13. January 2021, Webinar
12. Sept 2020, Webinar
11. Jan 2020, *IFAM* - Bremen, Germany
10. June 2019, *aimen* - Vigo, Spain
9. January 2019, *PodComp* - Piteå, Sweden
8. June 2018, *CdA* - Pornichet, France
7. January 2018, *RISE* - Borås, Sweden
6. October 2017, *Uljanik* - Pula, Croatia
5. November 2016, *SAPA* - Finspång, Sweden
4. November 2015, *Damen* - Gorinchem, Netherlands
3. January 2015, *Soton* - Southampton, England
2. March 2014, *Meyer Werft* - Papenburg, Germany
1. October 2013, *RISE* - Borås, Sweden



No member fee and low cost events – sponsors!

“Not too commercial – not too scientific”

Hosted by



Co-organized with



Agenda of E-LASS event



3 May:



09.00-16.30

E-LASS seminar

18.30-

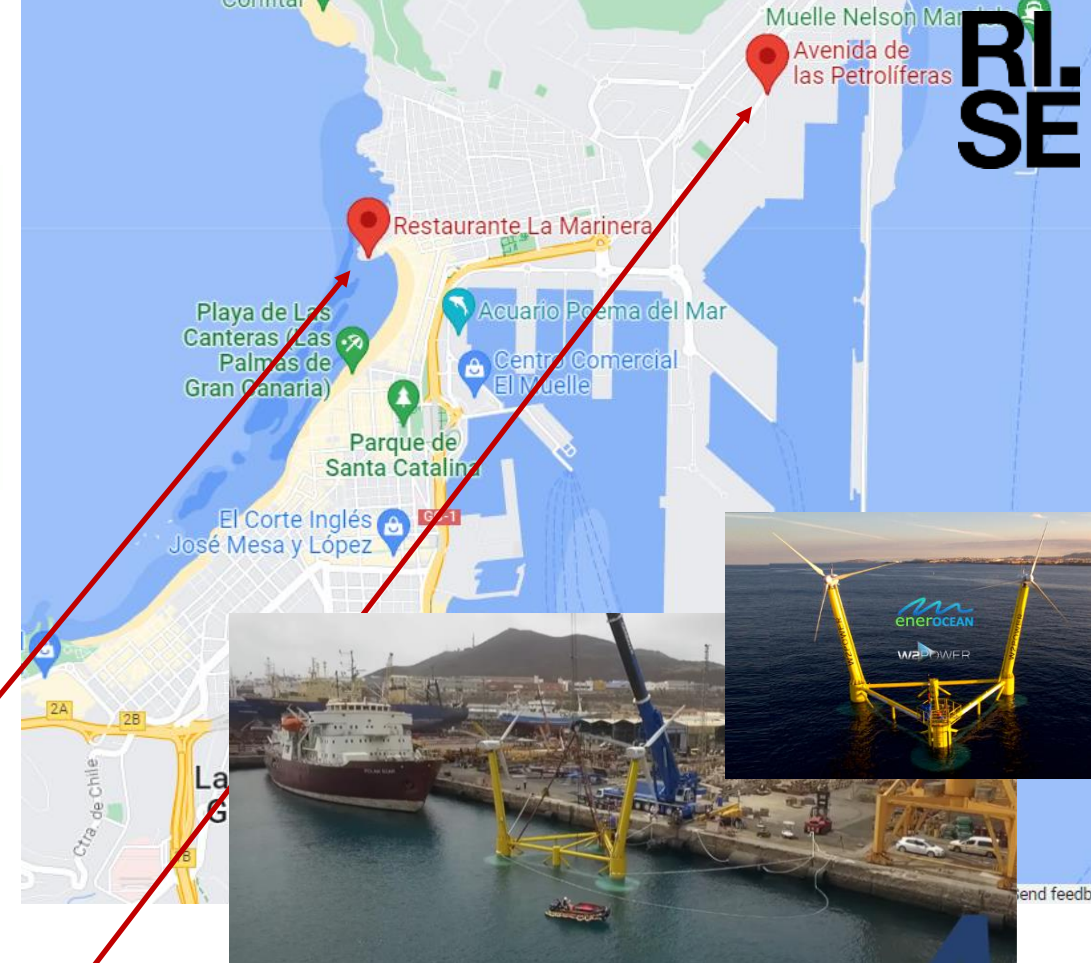
Dinner at Restaurant “La Marinera”

4 May:



11.00-12.30

Industry tour with demonstration of
EnerOcean’s wind power plant at
Astican shipyard facilities



Mandatory:

- Long pants
- Closed, no-heel shoes
- Passport/ID
- No pictures in yard

FIBREGY'S EVENTS

Dissemination and communication events of FIBREGY

Two information days

17th June 2021

13th September 2022

Two open-door industrial days

03rd – 4th May 2023
Las Palmas de Gran Canaria

September 2023
La Ciotat

Conference
10th International Conference on Computational Methods in Marine Engineering

27th -29th June 2023
Madrid

Agenda



Co-organized with



E-LASS seminar #17

3 May 2023

09:00-16:30

Hosted by



Morning theme: the FibreGy project

08:30	09:00	<i>Registration, check-in and presentation check</i>		
09:00	09:10	Welcome	Franz Evegren, Fabian Rechsteiner	RISE, AVK
09:10	09:25	Introduction to FIBREGY	Julio García	CIMNE
09:25	09:50	Characterizing the fatigue behavior of sustainable composite offshore structures	Akshay Hejjaji	ULim
09:50	10:15	Design and Fatigue Assessment methodologies of W2Power FRP towers	Pablo Ropero, Joel Jurado, Stéphane Paboeuf	EnerOcean, Compassis, BV
10:15	10:45	<i>Coffee break & mingle</i>		
10:45	11:10	Manufacturing of FIBREGY demonstrators in FRP	Edouard Waldura, João Cardoso	Exail, INEGI
11:10	11:35	Digital twin for the predictive maintenance of offshore wind platform structures	Borja Serván	CIMNE
11:35	12:00	Updates from the national networks: Sweden, Netherlands, Germany	Anna Sandinge, Arnold de Bruijn, Jon Steinlein	RISE, NMT, CMT
12:00	13:00	<i>Lunch</i>		

Afternoon theme: Lightweight applications at Sea (general)

13:00	13:25	COPROPEL project: Composite propeller design considering fluid-structure interaction	Marion Larreur, Stéphane Paboeuf	MECA, Bureau Veritas
13:25	13:50	Nano-enabled multimaterials for new generation of Offshore turbine blades	Stefania Termine	NTUA
13:50	14:15	Use of FRP in the offshore industry and its impact on regulations	Jack Cockerton	NOV
14:15	14:30	HISTRATE - request for interview candidates on composites under strain	Anna Sandinge, Franz Evegren	RISE Fire and Safety
14:30	15:00	<i>Coffee break & mingle</i>		
15:00	15:25	Evaluation of composite materials for ro-ro space surfaces in LASH FIRE	Vito Radolovic, Anna Sandinge	Flow Ship Design, RISE Fire and Safety
15:25	15:35	Material solutions for cost reduction and extended service life of wind offshore facilities	Pablo Ropero	EnerOcean
15:35	15:50	An outlook on the Spanish marine industry and lightweight	Benito Núñez Quintanilla	Ministry of Transport, Mobility and Urban Agenda of Spain
15:50	16:05	Round-up and discussion	Franz Evegren	RISE
16:05	18:30	<i>Free time until dinner at local restaurant - not sponsored</i>		

Hosted by



Co-organized with





Welcome to

E-LASS

The European network for Lightweight Applications at Sea

Las Palmas 3 May 2023

Co-organized with



Hosted by



Franz Evegren
Director of Fire Safe Transport
RISE Research Institutes of Sweden

What would you like to see more of at the next E-LASS?

16

Answers

Circular economy

Tutorial sessions

I would like to see more about machine learning models and how to preprocess data

Real life experiences in the use of the materials to lighten structures

IMO Regulation development: how can we join forces and what needs to be done?

Sustainable & recyclable material solutions

FRP recycling technology, FRP structural application

News on the Interime Guideline & Fire-resistance

Actual implementation of composites in shipa and naval objecta

What would you like to see more of at the next E-LASS?

16

Answers

Recyclability

Real industry applications

Repurposing of FRP at End of life

Maritime lightweight construction:
which solutions exist besides the use
of FRP

Eu projects calls for leighthweighth
solutions

Academia - Industry bridge courses

Industry perspectives in the use of
new technologies

Sponsor the event

Logo on website and program - always included for sponsors



Transportation sponsoring

500 € + VAT

Learn more



Transportation is a vital part of organising an E-LASS event, especially when it comes to industry tours which usually require busses. By sponsoring* our transportation you can promote your company during the E-LASS event while helping participants to get where they need to be.

* As a sponsor, your logo is always included on the E-LASS website and in the event program.

Contact e-lass@ri.se if you are interested in sponsoring the event



Lunch OR Dinner sponsoring

1000 - 1500 € + VAT

Learn more



Promote your company by sponsoring lunch or dinner!

***Lunch sponsors** (1000 € + VAT) are mentioned accordingly before lunch.

***Dinner sponsors** (1500 € + VAT) get extra visibility and are highlighted through signage at every table during dinner.

* As a sponsor, your logo is always included on the E-LASS website and in the event program.

Contact e-lass@ri.se if you are interested in sponsoring the event



Table break promotion

1000 € + VAT

Learn more

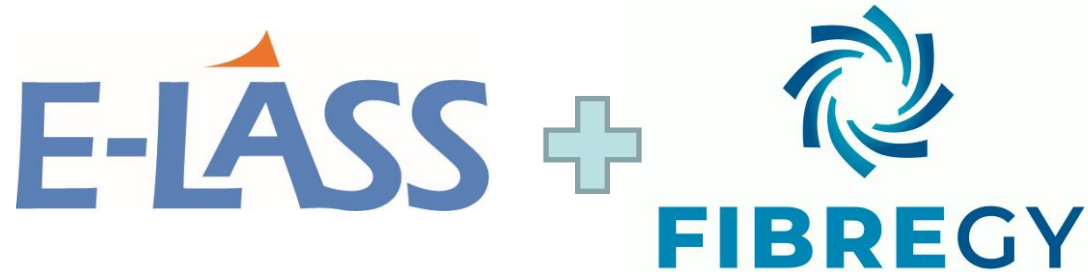


Bring marketing materials (brochures or leaflet) and put it on a table for everyone to see during the breaks. An E-LASS event is a fantastic opportunity to promote* your company!

* As a sponsor, your logo is always included on the E-LASS website and in the event program.

Contact e-lass@ri.se if you are interested in sponsoring the event

Agenda of E-LASS event



3 May:



09.00-16.30

E-LASS seminar

18.30-

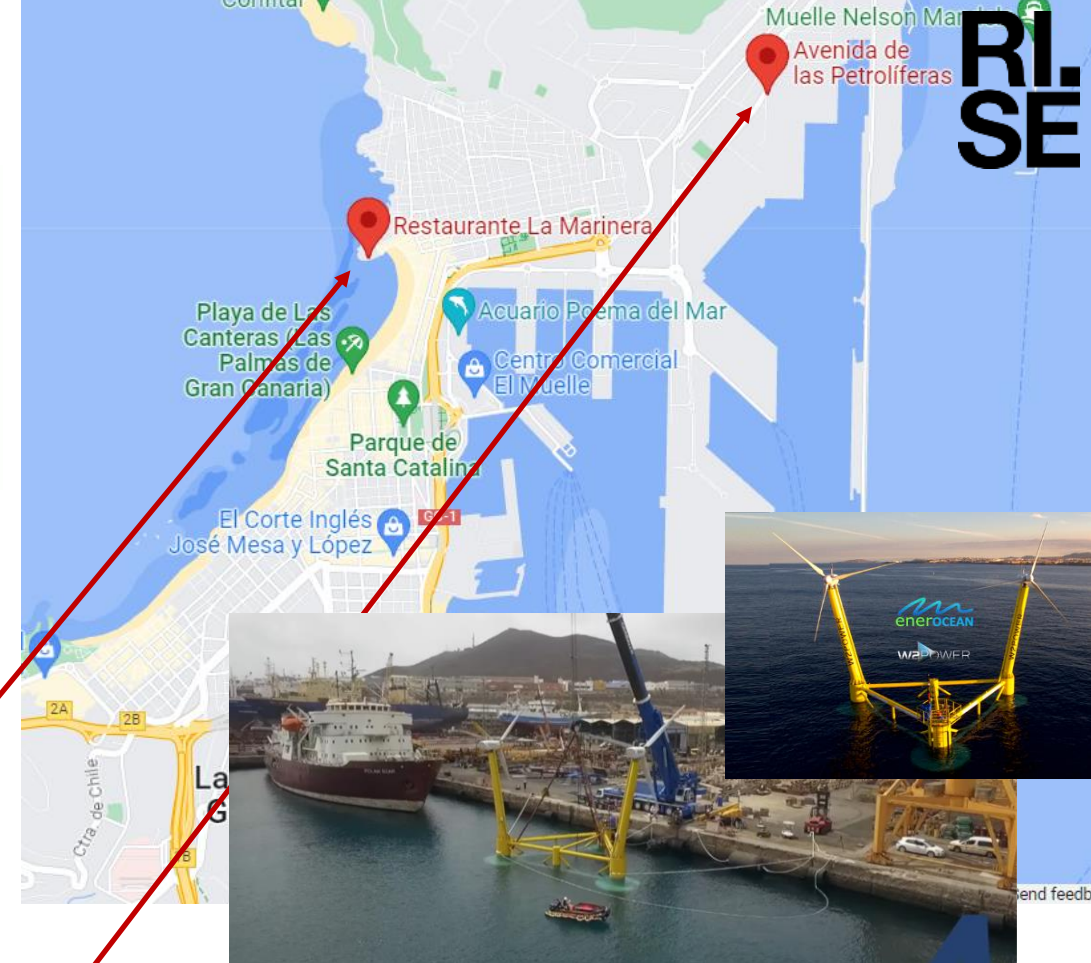
Dinner at Restaurant “La Marinera”

4 May:



11.00-12.30

Industry tour with demonstration of
EnerOcean’s wind power plant at
Astican shipyard facilities



Mandatory:

- Long pants
- Closed, no-heel shoes
- Passport/ID
- No pictures in yard

Industrial Day 4th of May

Astican Shipyard

Transfer information

1. Departure (10:15): Campus Tafira (ULPGC), in front of NEXO Building (meeting place today)
2. Intermediate Stop 1: Juan de Quesada Street (near Santa Ana Square) – Downtown
3. Intermediate stop 2: San Telmo Bus Station (Muelle de las Palmeras Street) – Downtown
4. Arrival (11:00): shipyard facilities (Avenida de las Petrolíferas)

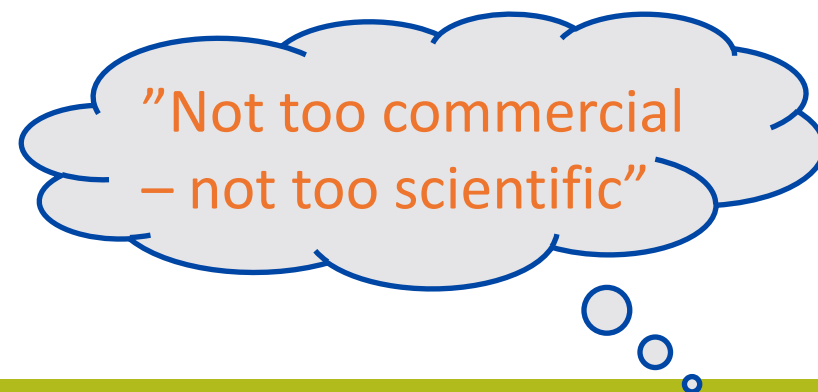
Shipyard rules

- Clothing: long trousers for all. Everyone needs to wear flat shoes
- Take photos of the ships/vessels and oil rigs under repair as well as of the shipyard workers is forbidden
- The visit will be limited to a specific area from which none of the attendees will be allowed to leave



E-LASS

www.e-lass.eu



Welcome to the next E-LASS event
– unclear when and where

Are you interested to present at our next E-LASS? Send a short (1/2 page) abstract to e-lass@ri.se

RI
SE

Franz Evegren
franz.evegren@ri.se
+46 (0)10-516 50 88

Thank you for your attention!