

Check-in & Sound check 08:45-09:00

Via 'View' (upper right corner) you can switch to 'Side-by-side: Speaker' to see the speaker and the presentation at the same time.

Welcome to



webinar 17 June 2021

The European network for Lightweight Applications at Sea

Zoom Webinar rules of the day:

1. *Upon entry, your microphone and camera are switched off. During "Check-in & Sound check" you may check their functionality.*
2. *You may switch on your microphone and camera yourself. Only do this when given the word by the moderator.*
3. *Raise your hand if you want to ask the presenter a question. There will be a moderated Q&A after each presentation.*
4. *If you have a technical question, please use the chat.*



Welcome to

E-LASS

webinar 17 June 2021

The European network for Lightweight Applications at Sea



Franz Evegren
RISE Research Institutes of Sweden
Safety & Transport
Fire Safe Transport

Co-organized with





Founded in 2013, E-LASS is a well-established European network for Lightweight Applications at Sea with over 500 members in 32 countries.

Twice a 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.



E-LASS History

14. June 2021, Webinar

13. Jan 2021, Webinar

12. September 2020, Webinar

11. January 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 – *Kick-off*



"Not too commercial – not too scientific"

No member fee and low cost events – Sponsors!

Co-organized with



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.

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Introduction of the Menti tool

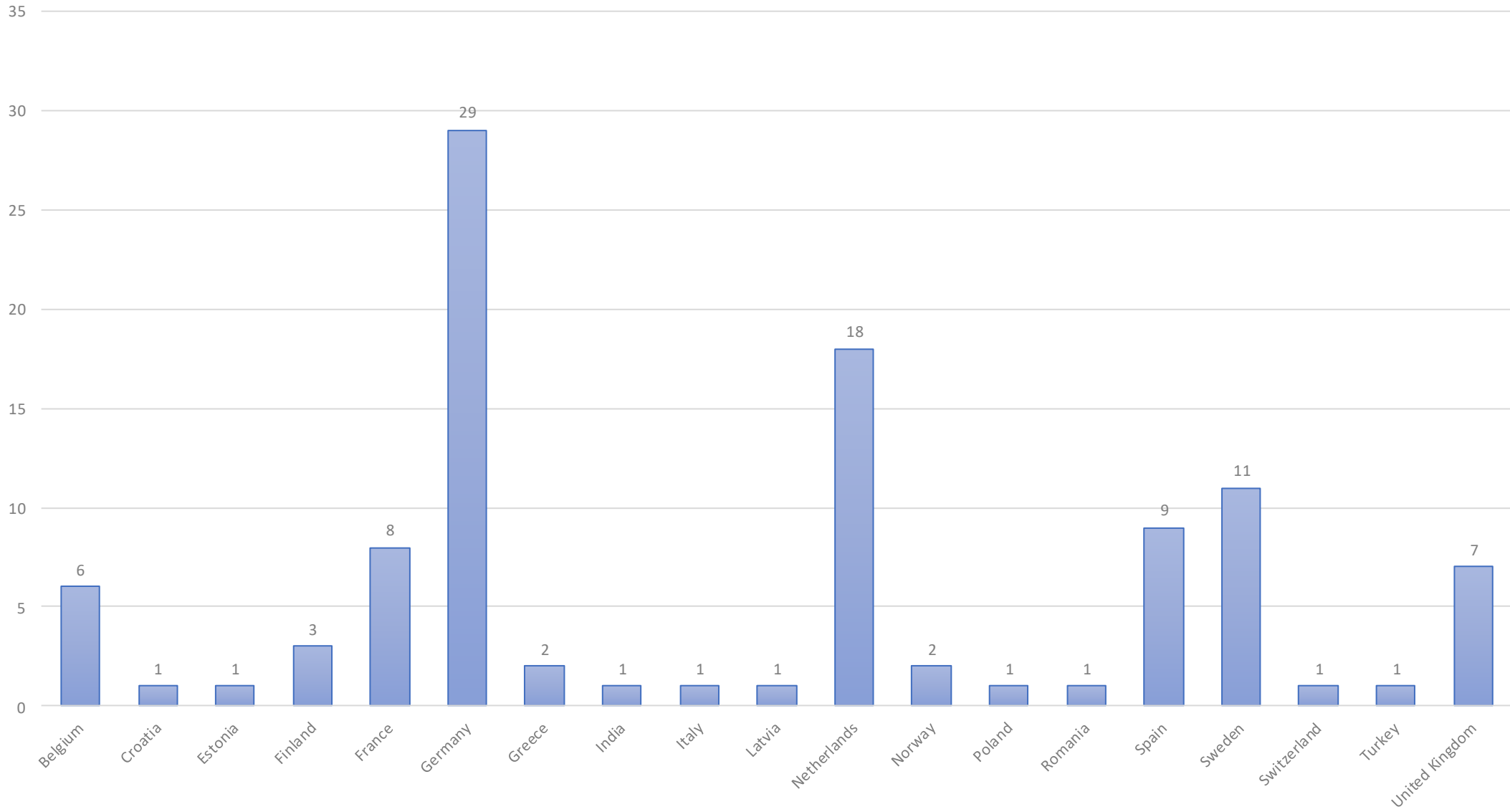
Time for a Menti – go to [menti.com](https://www.menti.com) and submit the code 80 58 59 50

Where are you located?

Where are you located?



E-LASS #14 representation – what country are you in?





E-LASS Seminar #14 17 June 2021 Webinar (time zone: CET)



Morning: Lightweight application around the Baltic Sea

08:45	09:00	Check-in & Sound check		
09:00	09:10	Welcome	Franz Evegren & Tommy Hertzberg	RISE
09:10	09:35	Thin deck panels and high strength steel bulkheads	Matti Rautiainen	Meyer Turku
09:35	10:00	Cutting down the structural weight for planing and semi-planing workboats	Kristjan Tabri	MEC
10:00	10:30	<i>Coffee break & mingle</i>		
10:30	10:55	Building and mounting demo i RAMSSES	Birgitta Nyström	Pod-Comp
10:55	11:20	Novel cruise ship architecture: 6 face cabin with lightweight self-supported floor	Pierrick Delaunay	Chantiers de l'Atlantique
11:20	11:45	Lightweight and hydro foiling electrified Sea Rescue vessel demonstrator	Magnus Wikander & Adam Persson	SSPA
11:45	12:45	Lunch break		

Afternoon: Regulations

12:45	13:10	Updates from the national networks S-LASS, MariLight and D-LASS	Peter Sjögren, Wibke Mayland, Tahira/Arnold	RISE, CMT, NMTF/Composites NL
13:10	13:35	Focus on regulatory aspects from Fibreship and RAMSSES	Matthias Krause & Antoine Cassez	CMT & Bureau Veritas
13:35	14:00	Fire risk analysis applied	Cedric Verhaeghe & Antoine Breuillard	Damen & Bureau Veritas
14:00	14:30	<i>Coffee break & mingle</i>		
14:30	14:55	Regulatory aspects from an Administration view	Mattias Hörnqvist & Gabor Szemler	Swedish Transport Agency
14:55	15:20	RAMSSES database and its usefulness	Stephan Wurst	Balance
15:20	15:45	Enabling qualification of hybrid structures for lightweight and safe maritime transport	Cedric Verhaeghe, Luc Mouton and Wim De Waele	Damen, BV & Ugent
15:45	16:00	<i>Concluding remarks and end of E-LASS #14</i>	Franz Evegren & Tommy Hertzberg	RISE



The logo for E-LASS features the text "E-LASS" in a bold, blue, sans-serif font. A small orange triangle is positioned above the letter "L".

E-LASS

Sustainable shipping + lightweight = true



Time for a Menti – go to [menti.com](https://www.menti.com) and submit the code 80 58 59 50

- What areas of sustainable shipping do you think can promote the use of lightweight materials?

Coffee break until 10.30

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What areas of sustainable shipping do you think can promote the use of lightweight materials?

competiton (racing)

Predictability in the approval process

1. Electrification
2. Different travel patterns
3. Environmental awareness from passengers / users
4. Recycling becomes a mor known issue

Electric ships

RO-PAX

Cruise ships

Ferries with shallow drafts
E-Ferries
Navy ships

reducing weight means reducing power demand, reducing power demand is reducing the footprint getting benefits from less production cost more comfort or longer life time should be good additional arguments all together with equivalent safty will win.

alternative fuels usually require more space and weight on board, which can be compensate by using lightweight materials.

Electric ships; Inland waterway shipping; short sea shipping

Reducing emissions starts with lowering the required energy for transport. Reduced shipweight can contribute to that

Electrification; e.g. in fast ferries, light weight materials enabling for larger battery packs

Higher capacity for cargo or hotel without the need for increasing the ship size.

Equipment for wind assisted vessel -> IWSA



Strengthening of E-LASS – a task within the EU project RAMSSES

Seven suggestions to increase member value:

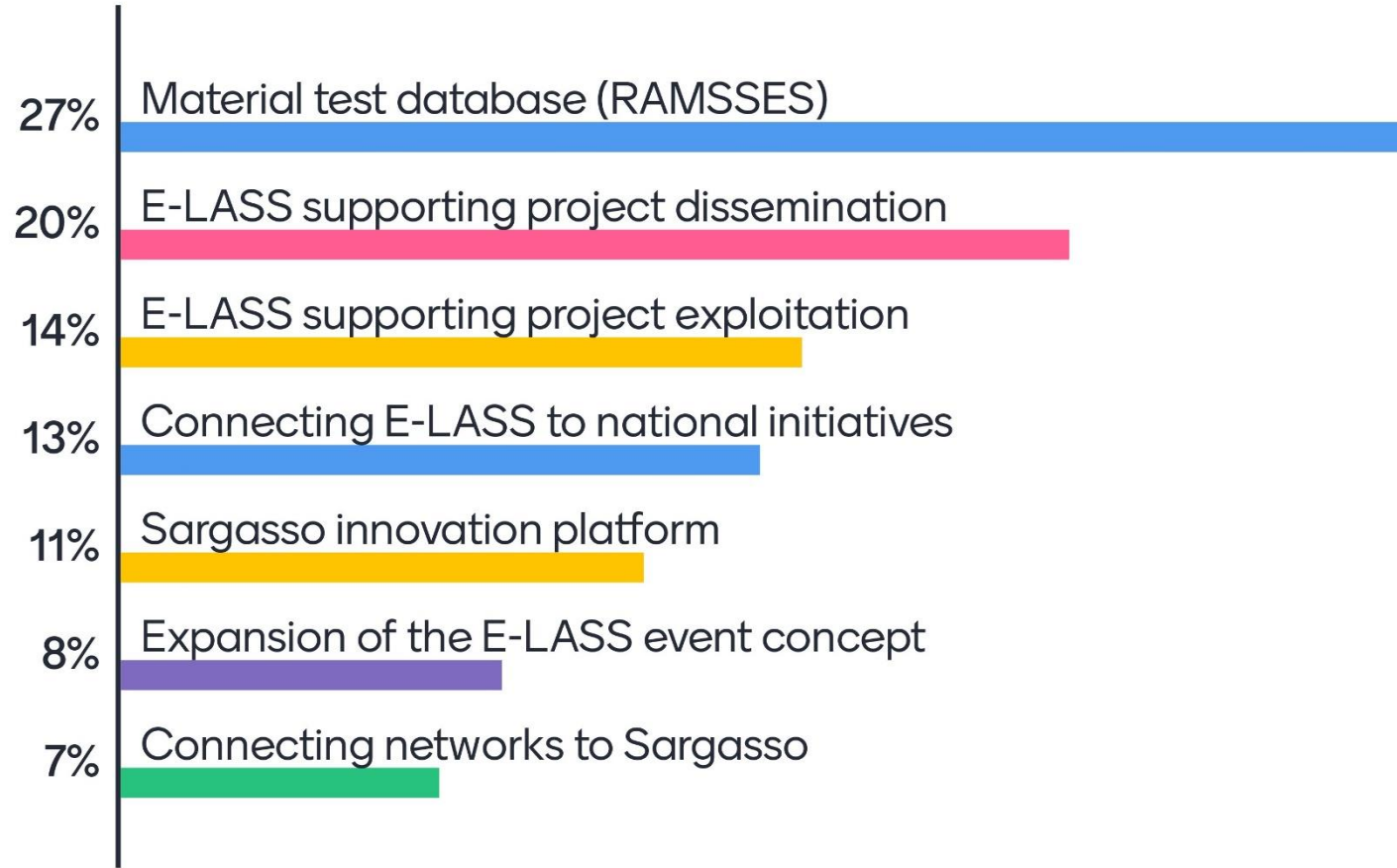
1. RAMSSES database
2. SARGASSO innovation platform
3. Connecting networks to SARGASSO
4. E-LASS supporting project dissemination
5. Expansion of the E-LASS event concept
6. Connecting E-LASS to national initiatives
7. E-LASS supporting project exploitation

Time for a Menti – go to menti.com and submit the code 80 58 59 50
- What areas is most important for E-LASS?

Lunch break until 12.45

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What area do you find most important to increase the member value of E-LASS?



E-LASS #15 theme?



Time for a Menti – go to menti.com and submit the code 80 58 59 50
 - What would you like to see more of at the next E-LASS?

Coffee break until 14.45

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

(New) shiptyps involving lightweight applications

Recent advance in fire reaction of resin

"SUSTAINABILITY". PROS AND CONS FROM A LIFE CYCLE POINT OF VIEW AND STATE OF THE ART OF RECYCLING OF DIIFERENT TYPES OF LIGHTWEIGHT VESSELS. WHEN APPEARS END OF LIF E AND WHAT IS THE VALUE OF THE VESSEL AT THAT TIME?

International collaboration / Outreach to Asia, Americas, Oceania and Africa.

How to change perception of composites. A current blocker to many composite innovations in actual vessel builds is the preconception by shipyards, owners and operators that composites are difficult and expensive to build and maintain.

success stories

other association like IWSA

Success stories

Continue with national network updates!

laminates with good flammability performance

Each other at a physical event; Nevertheless thank you for all efforts by vicon!

Light piping systems for ships



E-LASS

www.e-lass.eu
e-lass@ri.se

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

“Not too commercial
– not too scientific”

Welcome to the next E-LASS
event, organized in Genoa, Italy
18 Nov, in cooperation with
Cetena and Fincantieri



FINCANTIERI

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

Thank you for your attention!