



EuCIA
THE EUROPEAN COMPOSITES ASSOCIATION
Meeting date

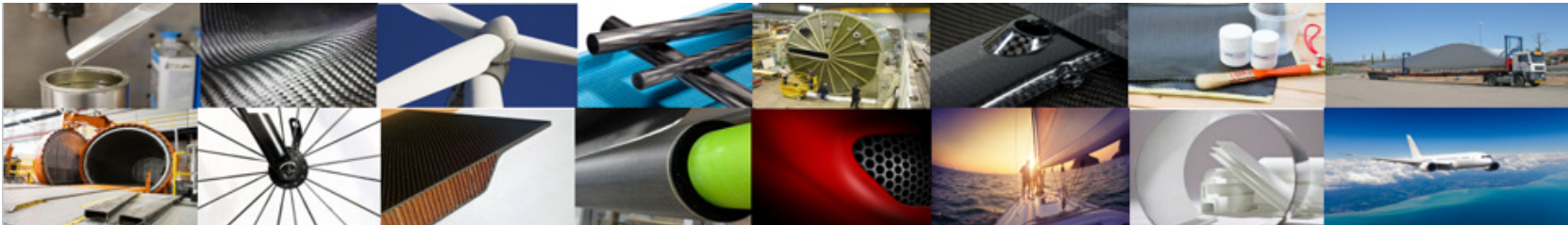




What is EuCIA?

MISSION

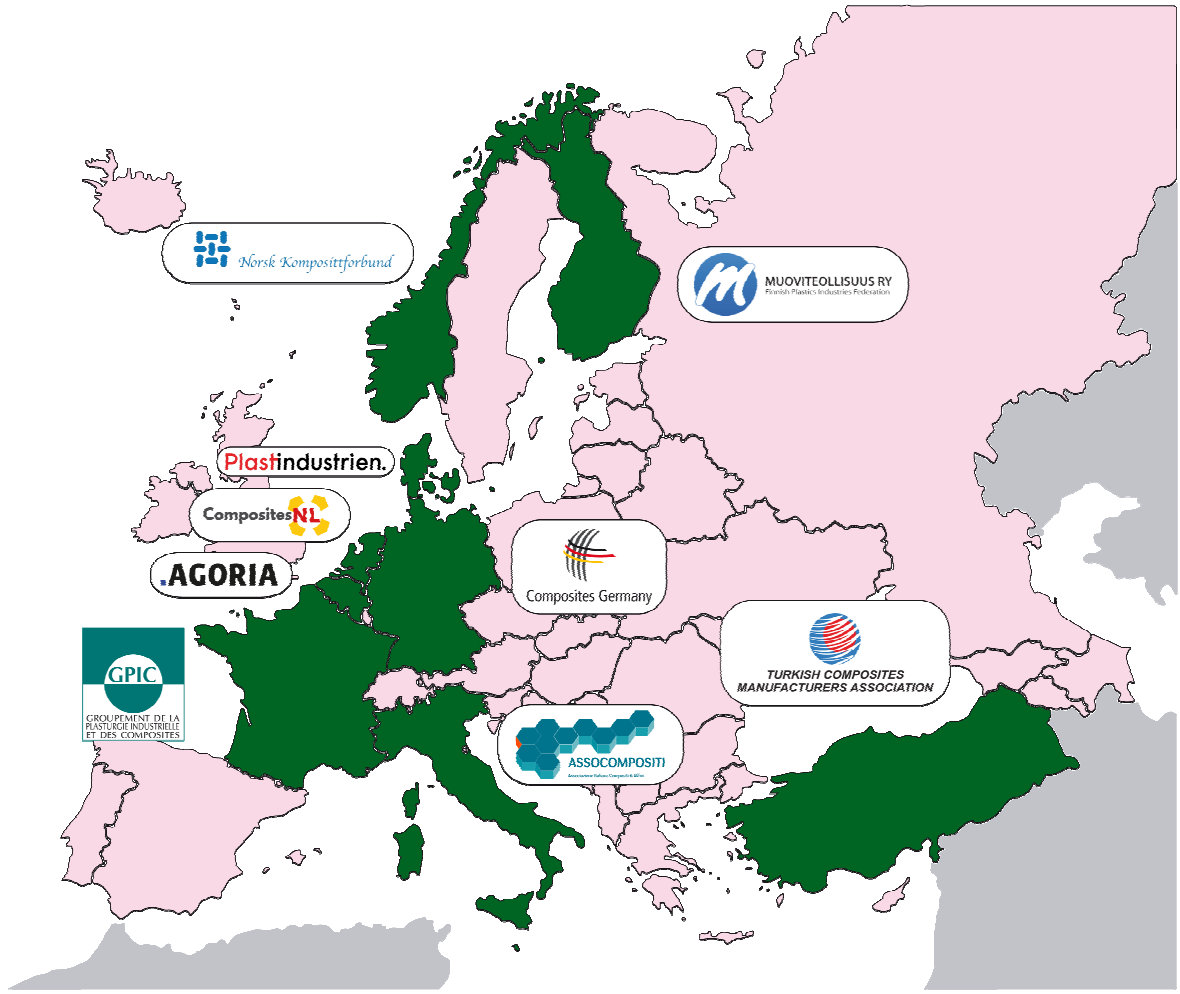
MEMBERSHIP



we know | we show | we grow
 THE WORLD OF COMPOSITES

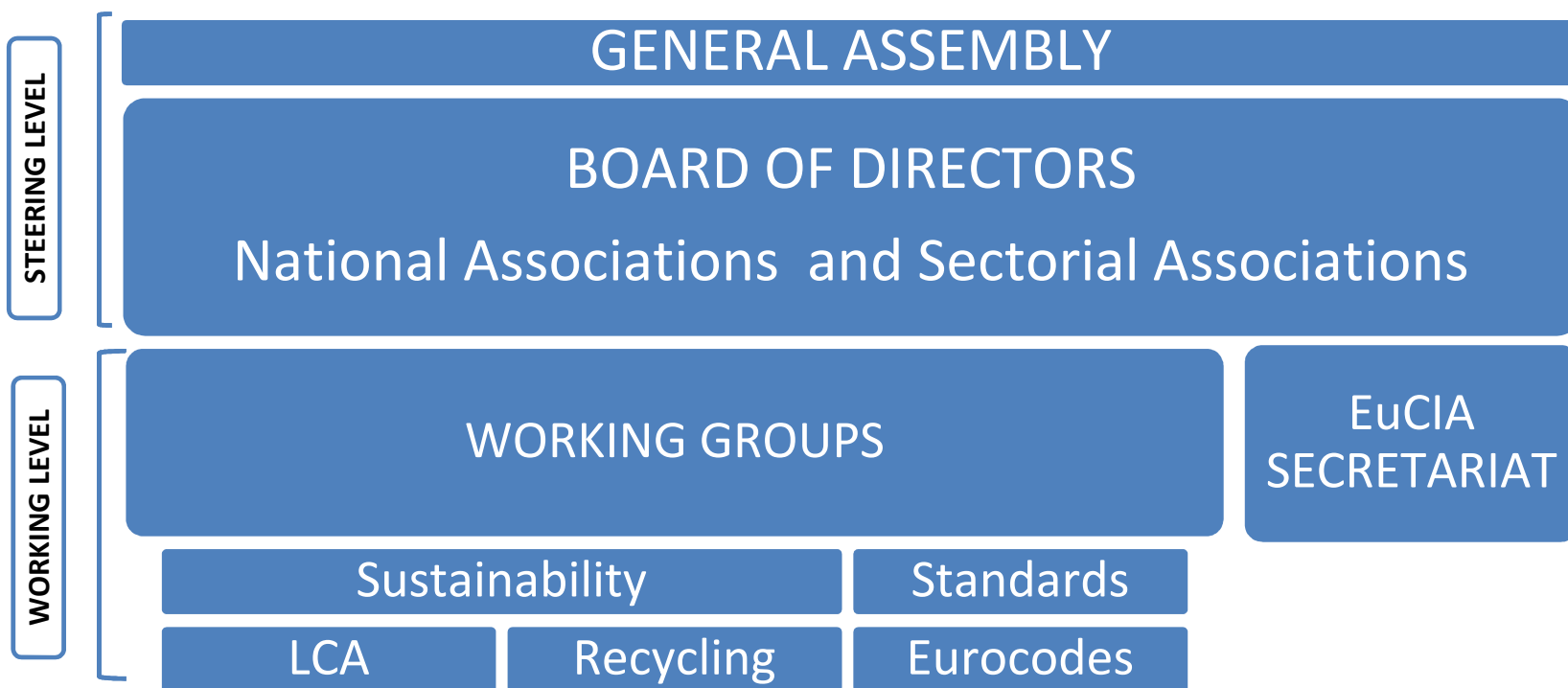
Members

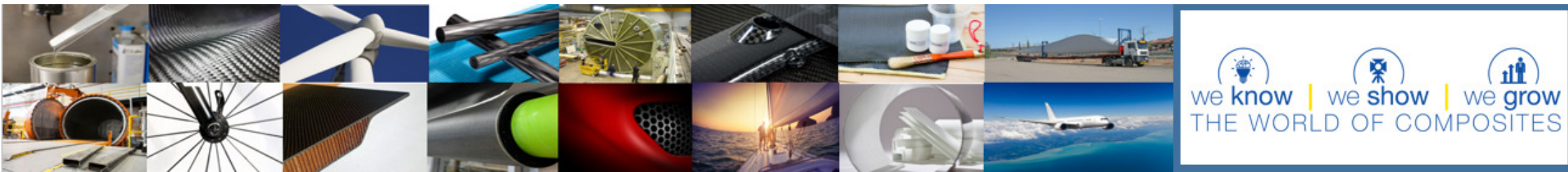
GlassFibreEurope
 APFE - European Glass Fibre Producers Association (AISBL)





Governance





What do we do?

EuCIA is the Brussels - based leading Association of the European Composites Industry.

The mission:

- We Know - Industrial education and sharing of best practices
- We Show - Being active at EU level and influencing decision - making
- We Grow - Industrial growth and membership expansion across Europe





 we know |  we show |  we grow
THE WORLD OF COMPOSITES

In Practice
PROJECTS
ACTIVITIES

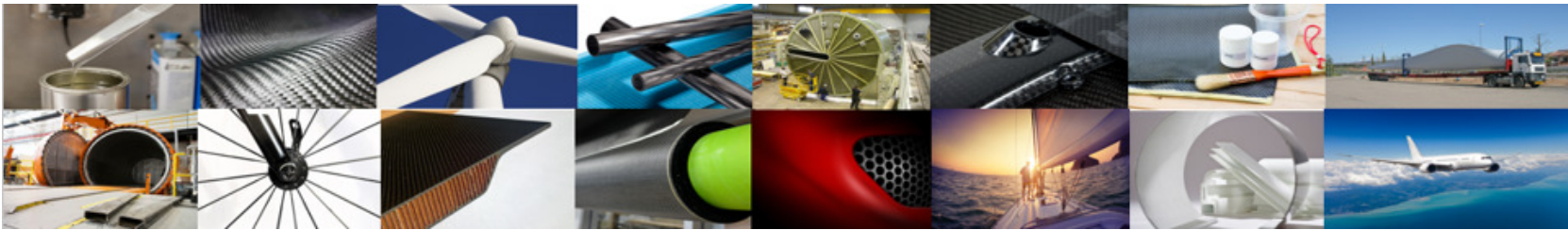




Key Activities

- We Know - Information sharing
 - Eco Calculator
 - Recycling
- We Show – Lobby
 - Eurocodes
 - Meetings with the European Commission
- We Grow - Business development and image building
 - Events & communication tools





EcoCalculator report

4. View Eco Report

General Information

Functional unit
This Eco Factsheet gives insights into the environmental impact of 1 Boat Hull of 15 kg.

Content declaration
The LCA that has resulted in this Eco Factsheet entails a cradle-to-gate analysis. Listed are materials representing more than 1% mass of the product. This factsheet is valid for the year 2016. For a full report about the used materials, please visit <http://www.euCIA.eu>.

Product: Boat Hull

Process description
The manufacturing process is Resin Infusion (RI). The average EU data for the use of energy, water and emissions for Resin Infusion (RI) is used.

LCA calculation rules

System boundary
This EcoFactsheet includes the following product stages:

- Procurement, transport and processing of raw materials as well as processing of secondary raw materials serving as inputs
- Production of the composite parts

Background data
The relevant background datasets were taken from the databases in the SimaPro 8.0.2 software, supplemented by industry data obtained by completed questionnaires. For a full report about the used methodology and background data, please visit noreply@composites-lca.eu.

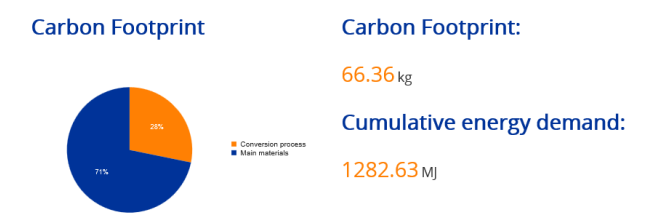
The International Reference Life Cycle Data Systems (ILCD)
The total score of 1 Boat Hull is calculated with the ILCD 2011 midpoint+ (v1.06) methodology

Category	Amount	Unit
Climate change	6.61e+1	kg CO2 eq
Ozone depletion	1.24e-5	kg CFC-11 eq
Human toxicity, non-cancer effects	4.77e-6	CTuh
Human toxicity, cancer effects	1.22e-6	CTuh
Particulate matter	3.61e-2	kg PM2.5 eq
Ionizing radiation HH	9.49e+0	kBq U235 eq
Ionizing radiation E (interim)	8.50e-3	CTUe
Photochemical ozone formation	3.27e-1	kg NMVOC eq
Acidification	3.16e-1	molc H+ eq
Terrestrial eutrophication	5.59e-1	molc N eq
Freshwater eutrophication	2.38e-3	kg P eq
Marine eutrophication	5.71e-2	kg N eq
Freshwater ecotoxicity	4.68e+1	CTUe
Land use	5.78e-1	kg C deficit
Water resource depletion	8.38e-2	m3 water eq
Mineral, fossil & ren resource depletion	1.27e-3	kg Sb eq

[Previous](#)

Environmental score

Carbon footprint and Cumulative energy demand (CED)
The carbon footprint (calculated with GHG Protocol, v1.01) of 1 Boat Hull is equal to 66.36 kg. The cumulative energy demand (calculated with CED 1.09) of 1 Boat Hull is equal to 1282.63 MJ. The following figures show the environmental impact of the product.





Eurocodes

- 7/07/2016: positive vote to accept EuCIA in the **CEN/TC250** ‘**Structural Eurocodes**’ Eric Moussiaux from EuCIA Board is our liaison officer.
- The Draft of the guidelines was approved and will be published.
- The next steps is the transfer of these guidelines to Eurocodes.

These Eurocodes are expected to be ready by the end of 2020.

In addition to **expert support**, EuCIA supports this initiative **financially**.

The Approved guidelines will be soon available on EuCIA Website



JRC SCIENCE FOR POLICY REPORT

PROSPECT FOR NEW GUIDANCE IN THE DESIGN OF FRP

Support to the implementation, harmonization and further development of the Eurocodes

Authors

Luigi Ascione, Jean-François Caron, Patrice Godonou, Kåre van Ussumuiden, Jan Klippenberg, Tozy Nostram, Matthias Orpe, Morten Ganthus Sørensen, Jon Taby, Lisbeth Tromp

Editors

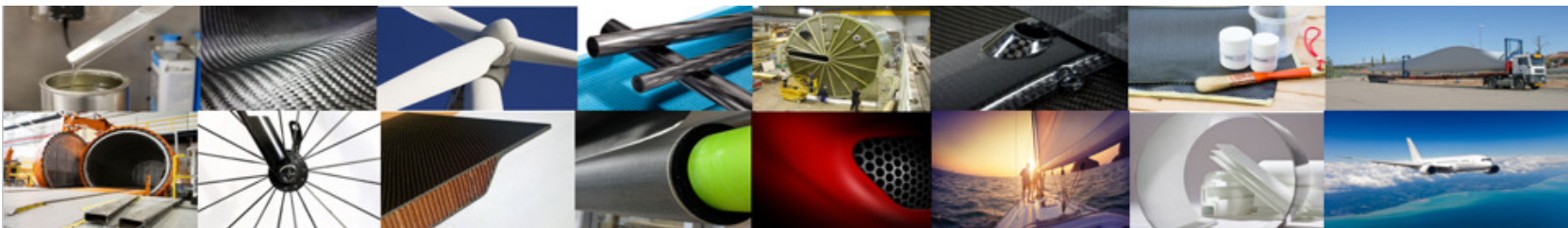
Luigi Ascione, Eugenio Gutierrez, Silvia Dinova, Artur Pinto, Steve Denton

2016

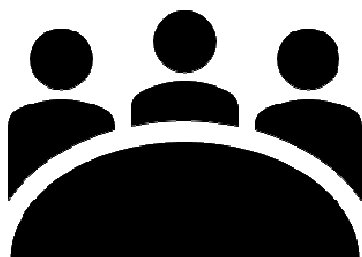


Project EUR-17066 EN





Coming projects



Working group Sustainability - Recycling

- New recycling brochure
- Green Label
- Position papers and press release

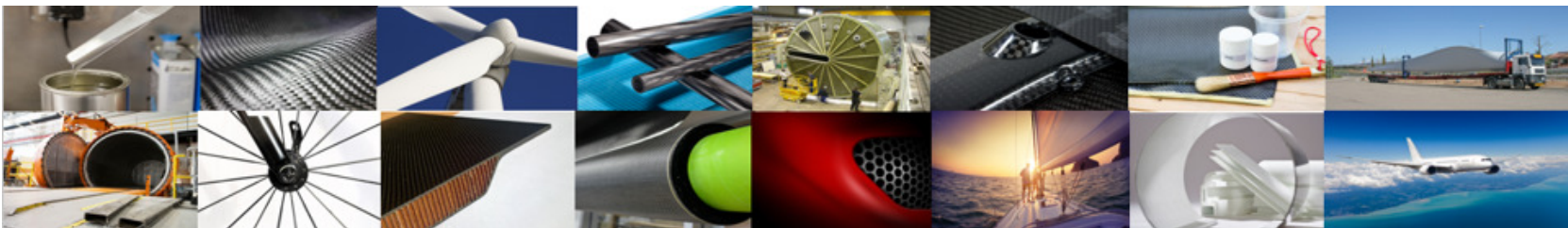




Lobbying Actions

- DG Growth: European Plastics Strategy workshop - Sustainable Feedstocks
- Signature of Joint Reaction paper
- Events with speakers of Commission





Events

19 JANUARY 2016
COMPOSITES & SUSTAINABILITY



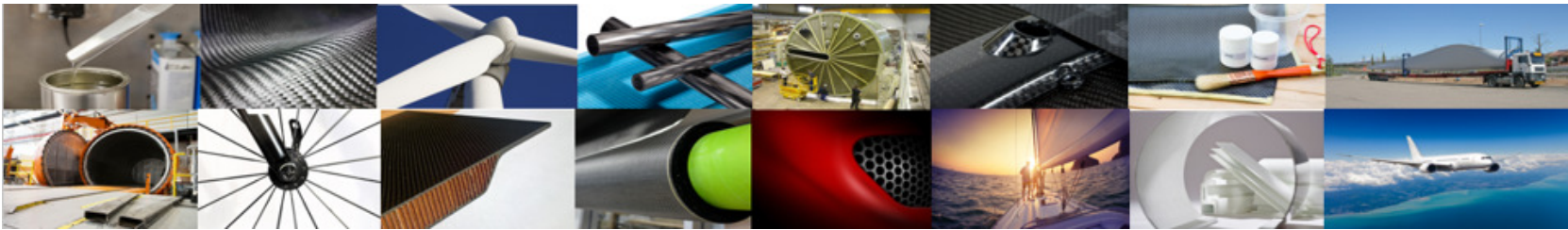
Lightweight, Durable and Sustainable Composites

Do you want to know more about LCA of composites parts ?

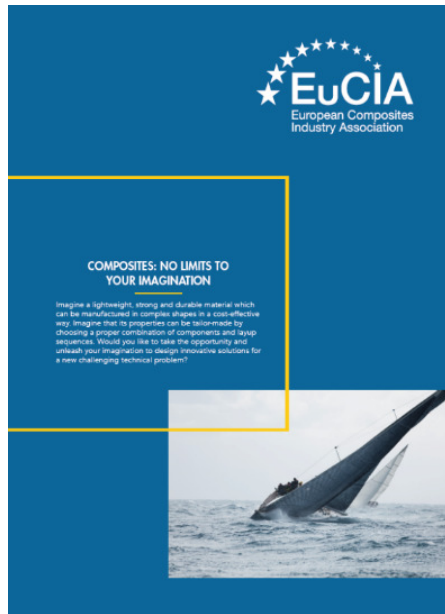
October 25th, 2017
 Press Club Europe, Rue Froissart, 95, Brussels



<http://www.eucia.eu/news/the-european-composites-industry-association-eucia-holds-seminar-on-composites-sustainability/>



Communication tools



Brochure



Newsletter



Website
www.eucia.eu



Social Media





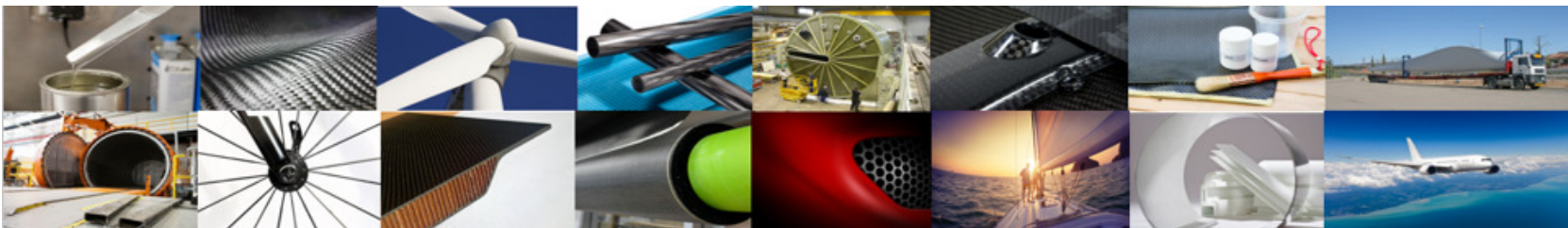
Contact : Julie.leroy@eucia.eu

Bld. A. Reyers Ln. 80, 1030 Brussels

Tel: 0032 2 706 89 06

www.eucia.eu





Program : *Lightweight, durable and Sustainable Composites*

09:45 Welcome; Roberto Frassine, President, EuCIA

09:50 Environmental Impact of Composites over the Whole Life Cycle, Ben Drogt, BiinC

10:20 European Commission Environmental Footprint methods: status of play and future outlook; Michele Galatola, Product Team Leader - DG ENV. Expert LCA, European Commission

10:40: Circular economy: Recycling GRP through applied LCA scenarios, Victor Vladimirov, Environment and Energy Manager, Hobas

11:00-11:30 : Break

11:30-11:50: Life cycle analysis for Carbon Composite Structures in different branches, Prof. Axel Herrmann, Airbus

11:50- 12:10: Business Case Automotive, Samuel Causse, Evec Conseil

12:10 – 12:30 : TBD

12:30- 12:50 : EuCIA Ecocalculator: Focus on the Production of Composites; Ben Drogt, BiinC

12:50-13:00 : Closing remarks

13:00 – 14:00 Business lunch.



Free for the members of our members associations

Non-members: 100€ (excluding VAT)

No-Show fee: 50€ (excluding VAT)

