

# Cradle-to- Cradle Composites (C2CC) final project event December 2021

Booklet

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# Agenda

## December 09 – Thursday | Project Meeting

Time   CET	Details
13h30 - 14h30	<i>Lunch</i>
14h30 - 15h15	Discussion of standardization issue along the entire length of project
15h15 - 16h00	Development of cradle-to-cradle automotive structural components
16h00 - 16h15	<i>Coffee Break</i>
16h15 - 17h00	Final results on LCA including Embodied Energy Evaluations
17h00 - 17h45	Final Project Report
17h45 - 18h30	Go-to-market strategy: update at the end of 2021
18h30 - 20h30	<i>Break</i>
20h00 - 22h00	<i>Dinner</i>

## December 10 – Friday | Public Session

Time   CET	Details
9h30 - 9h35	Introduction: Welcome words - <i>Guido Sonnemann(UBx)</i>
9h35 - 10h00	C2CC project overview, environmental and technological megatrends and ENEA activities - <i>Claudio Mingazzini, Enrico Leoni, Stefano Bassi, Giuseppe Magnani and Matteo Scafè (ENEA TEMAF)</i>
10h00 - 10h20	Discussion of Basalt Derived Mineral Fibres and fibres alternative to carbon ones for green transition - <i>Enrico Benco (GS4C)</i>
10h20 - 10h45	Cleavable epoxies: potential environmental advantages, recycling and reuse of recovered epoxy based-thermoplastics. Demonstration of glove compartment doors demonstrator produced in CRF - <i>Jaime Ferrer Dalmau (R*Concept)</i>
10h45 - 11h00	Finite Element validation of the developed C2C recyclable composite materials for the front bonnet application (500 Abarth model) - <i>Matteo Basso and Daniele Pullini (CRF-Stellantis Group)</i>
11h00 - 11h25	<i>Coffee break (questions are collected online and answered at the end of the session)</i>
11h25 - 11h40	The development of prepreg based on cleavable epoxies and Basalt Derived Mineral Fibres (BDMF), using prepreg pilot line - <i>Rafael García-Etxabe and Koldo Gondra (GAIKER)</i>

Time   CET	Details
11h40 - 11h55	Processing of developed cleavable epoxies-basalt reinforced prepregs for producing automotive components, compared to conventional epoxy based prepregs - <i>Andrea Ceresani and Angel Ciuffreda (AM Composites)</i>
11h55 - 12h10	Evaluation of environmental impacts of composites reinforced with basalt-derived mineral fibre and comparison with steel and carbon-fibre composites - <i>Edis Glogic and Guido Sonnemann (UBX)</i>
12h10 - 12h25	Go-to-Market strategy and exploitation of developed materials and Financial Backflow Agreement with EIT-RM about product commercialisation - <i>Jaime Ferrer Dalmau (R*Concept)</i>
12h25 - 12h45	Answer to questions received online. Closing remarks and prospects - <i>Claudio Mingazzini (ENEA TEMAF)</i>
12h45 - 13h30	<i>Lunch</i>

## Attendees

Please find below the list of attendees that confirmed their participation to one or more meetings planned from December 09 to 10.

Name	Organization	Attendance
Andrea Ceresani	AM Composites	Online
Claudio Mingazzini	ENEA	in person
Cristiana Talon	GS4C	in person
Edis Glogic	UBx	in person
Enrico Benco	GS4C	in person
Enrico Leoni	ENEA	online
Guido Sonnemann	UBx	in person
Jaime Ferrer-Dalmau Bosch	R*Concept	in person
Juliana Silva	UBx	in person
Matteo Basso	Centro Ricerche Fiat	online
Rafael Garcia-Etxabe	GAIKER	in person

Other colleagues from C2CC partners not listed above are also welcome to join the meetings!

# Logistics of the event

The project meetings will be organized both online (zoom) and in-person (Bordeaux).

## Online

We will use the **different zoom link** for each meeting:

### Private Session details

<https://u-bordeaux-fr.zoom.us/j/81228319442?pwd=QUREV0hiRIBFM2ZSTzVzRFBOaFRpZz09>

### Public Session details

<https://u-bordeaux-fr.zoom.us/j/84382307656?pwd=V091MTE0ek5CVjZoZjk3aDdUVHZGQT09>

ID | 843 8230 7656

Pass code | 404235

## In-person

The CyVi group is based at the University of Bordeaux - Talence Campus.

### Address

351 Cours de la libération, 33405 Talence  
Building A12 | Institut des Sciences Moléculaires  
Meeting room | Conference room 3rd Floor EAST

The city of Bordeaux has an extensive and modern public transportation system serving all parts of the city and its suburbs. It includes several bus lines, trams, ferry along the river and bikes. Due to COVID19 pandemic, the wearing of a mask is mandatory inside the transports and at the stops.

**More information** | <https://www.infotbm.com/en>

The conference room and most of the buildings at the University of Bordeaux have eduroam Wi-Fi. For participants attending in-person, please ensure that you have eduroam already installed in your computer with your “home” institution credentials. In case you do not have an eduroam account, please inform us beforehand so that we can prepare a Wi-Fi login for you.

**More information** | <https://www.eduroam.org/about/connect-yourself/>

## COVID-19 protocols

Due to the pandemic, some rules are applied to travelers when they enter France. The restrictions depend mainly if you are vaccinated and your origin country. In order to check your personal situation and the documents required, please refer to the French government website below.

**More information** | [https://www.diplomatie.gouv.fr/en/coming-to-france/coronavirus-advice-for-foreign-nationals-in-france/#sommaire\\_1](https://www.diplomatie.gouv.fr/en/coming-to-france/coronavirus-advice-for-foreign-nationals-in-france/#sommaire_1)

In case a PCR is required for your travel arrangements, please refer to the websites below for specific information according to your travel plan.

**PCR test in Bordeaux's airport** | <https://www.bordeaux.aeroport.fr/en/news-updates/24-hour-antigenic-rt-pcr-testing-centre-airport>

**PCR test in Saint-Jean Station** | <https://www.garesetconnexions.sncf.fr/gare/frboj/bordeaux-saint-jean/services/box-mobiltest-depistage-du-covid-19>

Participants attending in-person must bring their **EU Digital COVID Certificate** (QR-code) to be presented at the University of Bordeaux and restaurants. It is recommended to download the application « TousAnticovid » in your smartphone in order to facilitate the verification of the certificate. The use of mask is mandatory inside the University buildings.

## If you travel by plane

Bordeaux–Mérignac Airport is the international airport of Bordeaux. It is located at 1h from the University of Bordeaux by public transport or 20min by taxi. Check TBM Bordeaux website (<https://www.infotbm.com/en>) or Google maps for more information on how to join by public transport.

## If you travel by train

Saint-Jean Station is located at 30min from the University of Bordeaux by public transport or 15min by taxi. Check TBM Bordeaux website (<https://www.infotbm.com/en>) or Google maps for more information on how to join by public transport.

## If you come by Tram B (until "Peixotto" station)

Enter the University through the pedestrian gate next to the "Peixotto" tram station. Walk 5 minutes following the map below until you reach the building A12 "Institut des Sciences Moléculaires".



## Social events

We will organize a dinner on December 09 in Bordeaux, and a lunch on December 10 in Talence. See below the details:

### Dinner | December 9th at 20h

#### **Café du Port**

Address | 1-2 Quai Deschamps, 33100 Bordeaux

### Lunch | December 10th at 12h45

#### **Le Carpe Diem**

Address | 100 Avenue Roul, 33400 Talence



## Accomodation

University of Bordeaux is located in Talence, a commune in the south side of Bordeaux. You can book either a hotel in Talence or Bordeaux downtown and access the university by public transport. Bordeaux and Talence have many hotels options; please find below two suggestions:

- Ténéo Apparthotel Talence Espeleta in Talence ([www.teneo.fr](http://www.teneo.fr))
- Les 4 soeurs in Bordeaux (<https://hotel-bordeaux-centre.com/eng/>)





# Tackling the reduction of greenhouse gasses emissions from transportation by developing a new composite for the automotive industry

<http://www.c2cc-project.eu/>

C2CC project, EIT-RM KAVA 5  
up-scaling, n° 18052, 2019-2021

