

EUROPEAN HARDWOODS FOR THE BUILDING SECTOR

Reality of today – possibilities for tomorrow

February 01st, 2017 – FCBA, Bordeaux (FR)

- 10:30 – 11:00 **Reception**
Reception of participants and opening of the meeting
Georges-Henri Florentin (FCBA / FR)
- 11:00 – 11:15 **Valorization of hardwoods resource**
Which strategy for France in the field of construction?
André Richter (FCBA / FR)
- 11:15 – 11:30 **From new products to market**
Current status and identification of key milestones
Jean-Denis Lanvin / Mathieu Lambert (FCBA / FR)
- 11:30 **EU Hardwoods:**
- 11:30 – 11:50 **Mission and architecture of EU Hardwoods**
Peter Linsenmann (Holzforschung Austria / AT)
- 11:50 – 12:10 **Hardwood supply chain**
Hardwood potential and availability (present and future)
Udo Sauter (FVA Baden-Württemberg / DE)
- 12:10 – 12:30 **Basic hardwood strength data and grading tools**
Obstacles and potential of visual and machine grading of hardwoods
Peter Linsenmann (Holzforschung Austria / AT)
- 12:30 – 13:40 **Cocktail**
- 13:40 – 14:00 **Hybrid beech-spruce CLT**
Production, advantages and design of a novel “hybrid CLT”
Zachary Christian (MPA Stuttgart / DE)
- 14:00 – 15:10 **Glulam made of hardwoods:**

State of the art – species, adhesives and national/European approvals
Simon Aicher (MPA Stuttgart / DE)

Glueline integrity verification for glulam made of various hardwood species
Maren Hirsch (MPA Stuttgart / DE)

Feedback: Glulam made of French oak
 - Impact on the organization of the upstream (1st transformation) and downstream sectors (2nd transformation)
 - Valorization scenarii (depending on the type of supply and the degree of change)
 - Mechanical properties of homogeneous and combined glulam
 - Industrial feedback*Morgan Vuillermoz, Guillaume Legrand (FCBA / FR)*

Modelling and design equations for hardwood glulam
Cristóbal Tapia Camú (MPA Stuttgart / DE)
- 15:10 – 15:30 **Full scale testing of Oak glulam beams**
Patrice Garcia – Laboratoire de Mécanique FCBA
- 15:30 – 16:00 **Outlook**

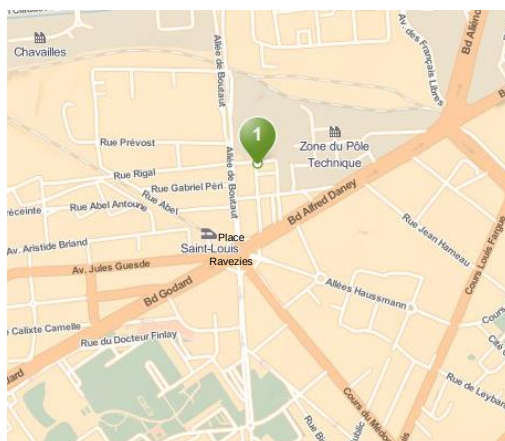
TRAVEL INFORMATION

Address :

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33028 Bordeaux cedex

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guillaume.legrand@fcba.fr



Travel from the airport AEROPORT BORDEAUX MERIGNAC to Bordeaux city center :

Take the *fast* bus shuttle between the airport and the main train station Gare Saint Jean (30 minutes, tickets available at the airport for 7.20 euros). Then take the tramway line C, direction Les Aubiers, and stop at Quinconces station (15 minutes, tickets available at each station for 1.50 euros).

Or, take the *slow* bus lianes 1 that also ends at the main train station Gare Saint Jean after crossing Bordeaux City center. Stop at stations close to the historical city center such as Place Gambetta or Palais de Justice (45-60 minutes, tickets available in the bus for 1.50 euros).

See <http://www.bordeaux.aeroport.fr/en/info/getting-to-bordeaux-airport>, and <http://www.infotbc.com/ligne/1> and the attached pieces *map tramway* and *map bordeaux*.

You can also take a taxi (30 minutes, around 30 euros).

Travel from Bordeaux city center to FCBA :

Take the tramway line C, direction Les Aubiers (at Quinconces station for exemple) and stop at Place Ravezies station (10 minutes, tickets available at each station for 1.50 euros). See also jointed piece *map tramway*.

Travel from the airport AEROPORT BORDEAUX MERIGNAC directly to FCBA :

Take a taxi (30 minutes, around 25 euros).

Travel from the train station GARE SAINT JEAN directly to FCBA :

Take the tramway line C, direction Les Aubiers, and stop at Place Ravezies (25 minutes, tickets available at each station for 1.50 euros). See also jointed piece *map tramway*.

Hotel :

I recommend the city center hotels, such as :

- Continental Hotel, 10 rue Montesquieu, <http://www.hotel-le-continental.com/>
- Hotel Sainte Catherine, 27 rue du Parlement Sainte Catherine, <http://www.quality-hotel-sainte-catherine-bordeaux.federal-hotel.com/>
- Hotel Ibis, 35, Cours du Marechal Juin, <http://www.accorhotels.com/fr/hotel-0950-ibis-bordeaux-centre-meriadeck/index.shtml>

These hotels are also available via the website *booking.com*.

Prolongez votre voyage en bus...

Correspondance bus aux stations tramway

Tramway A Rive Gauche

- Mérignac Centre
30 35 36 50 62 35Exp
- Lycées de Mérignac
30 35 45 70 81 35Exp
- Pierre Mendès-France
35
- Fontaine d'Arlac
46
- Psychotte
46
- François Mitterrand
18
- Hôpital Pellegrin
11 41 49
- Stade Chaban Delmas
9
- Hôtel de Police
10
- Saint-Bruno
Hôtel de Région
10 20 21
- Mériadeck
16
- Palais de Justice
16 20 21 22 48
- Porte de Bourgogne
23 45

Tramway A Rive Droite

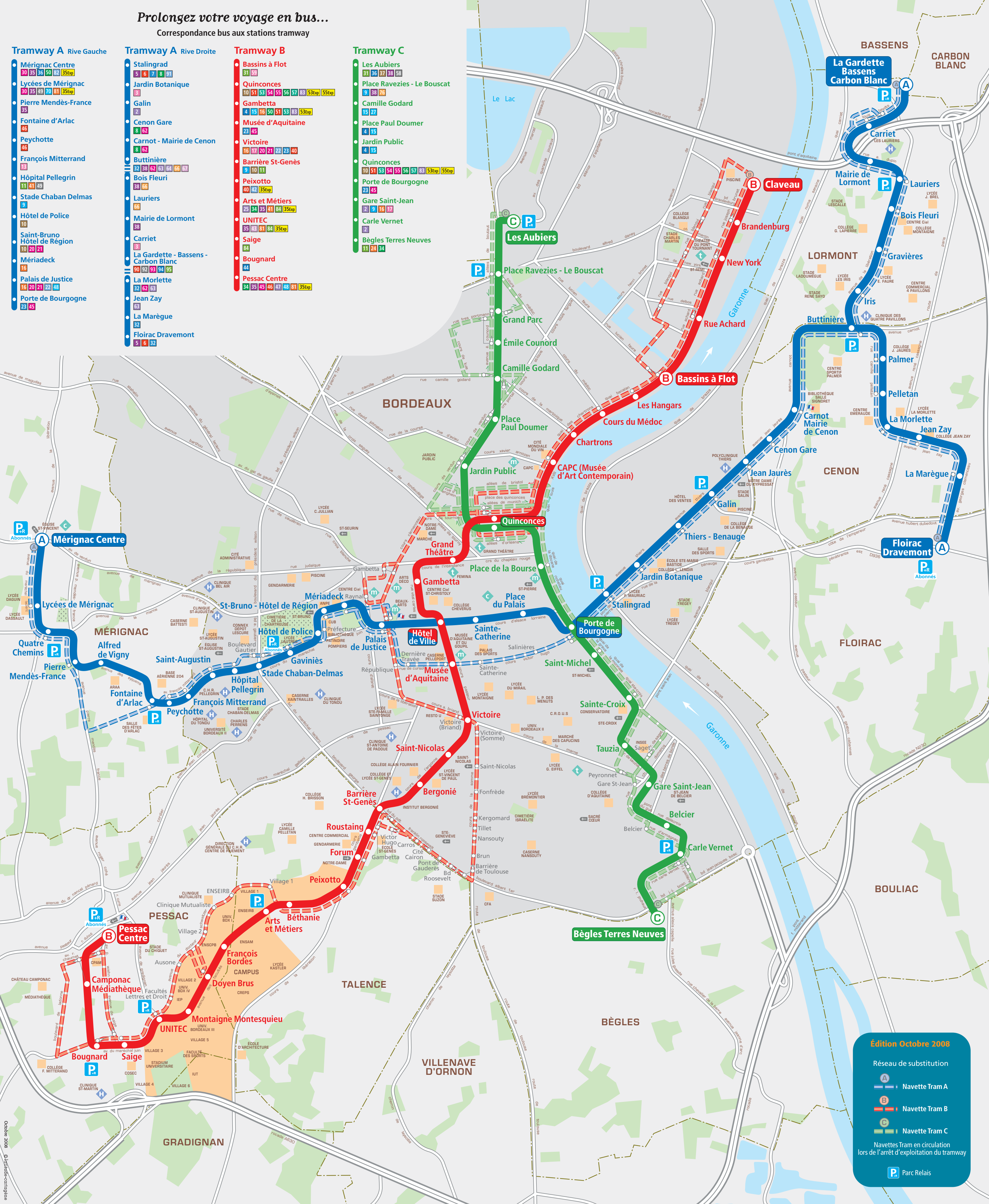
- Stalingrad
5 6 7 8 91
- Jardin Botanique
3
- Galin
2
- Canon Gare
8 62
- Carnot - Mairie de Canon
8 62
- Buttinière
32 38 62 63 64 66 97
- Bois Fleuri
38 66
- Lauriers
66
- Mairie de Lormont
38
- Carriet
3
- La Gardette - Bassens - Carbon Blanc
90 92 93 94 95
- La Morlette
32 62 83
- Jean Zay
53
- La Marègue
32
- Floirac Dravemont
5 6 32

Tramway B

- Bassins à Flot
31 59
- Quinconces
10 51 53 54 55 56 57 83 53Exp 55Exp
- Gambetta
4 15 16 50 51 53 83 53Exp
- Musée d'Aquitaine
23 45
- Victoire
16 17 20 21 22 23 40
- Barrière St-Genès
9 10 11
- Peixotto
40 42 35Exp
- Arts et Métiers
25 34 35 41 84 35Exp
- UNITEC
53 81 84 35Exp
- Saige
84
- Bougnard
44
- Pessac Centre
34 35 45 46 47 48 81 35Exp

Tramway C

- Les Aubiers
31 36 37 38 58
- Place Ravezies - Le Bouscat
9 38 76
- Camille Godard
15 27
- Place Paul Doumer
4 15
- Jardin Public
4 15
- Quinconces
10 51 53 54 55 56 57 83 53Exp 55Exp
- Porte de Bourgogne
23 45
- Gare Saint-Jean
2 9 16 17
- Carle Vernet
2
- Bègles Terres Neuves
11 24 34



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Réseau de substitution

Navette Tram A

Navette Tram B

Navette Tram C

Navettes Tram en circulation
lors de l'arrêt d'exploitation du tramway

P

Parc Relais



- M Musée Museum
- H Hôpital et clinique Public and private hospital
- E Exposition Exhibition
- @ Point internet Internet access point
- T Théâtre Theatre
- C Cinéma Cinema
- 2 Allo Visit (Voir au verso) Allo Visit (See overleaf)
- Rue piétonne Pedestrian street
- P Laisser votre voiture et prenez le Tram Leave your car and ride the Tram