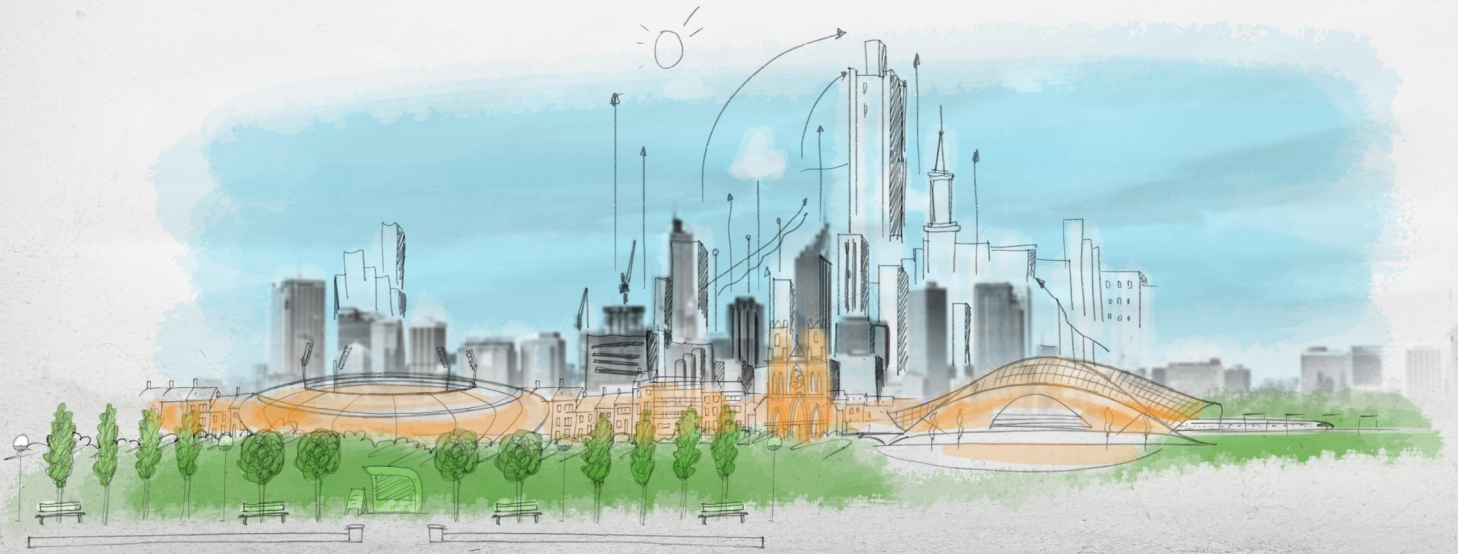


7th ECTP Conference INNOVATIVE BUILT ENVIRONMENT



November 17-18, 2016

**Palais des Beaux-Arts /
Center for Fine Arts**



ENERGY EFFICIENT BUILDINGS

HERITAGE & REGENERATION

ACTIVE AGEING & DESIGN

MATERIALS & SUSTAINABILITY

INFRASTRUCTURE & MOBILITY



Organised by:
the **European Construction, Built Environment and Energy
Efficient Buildings
Technology Platform A.I.S.B.L.**



7th ECTP Conference

INNOVATIVE BUILT ENVIRONMENT

Overview

The 7th ECTP open conference will take place in Brussels on 17-18 November. This event will be dedicated to present and discuss current and anticipated innovation in the built environment field. Plenary sessions with high-level speakers from academia, industry and the European Commission will introduce the global scheme and visions from various stakeholders. Meanwhile, thematic parallel sessions will address diverse specific issues under the five current challenges of the ECTP. A hall for booths and posters will exhibit examples of innovation expected from European projects.

Provisional Programme

November 17, 2016

- 09:15 Registration and Welcome Coffee
10:00 Opening & Plenary Session
- Welcome speeches by ECTP and EC
 - Speeches on major transversal issues such as the role of ECTP to foster impacts of projects, the international and regional approaches, the cross-cutting and value chain approaches, the R&I industrial investments...
- 13:00 Thematic parallel sessions (see below)
20:00 Conference dinner

November 18, 2016

- 09:00 Thematic parallel sessions (see below)
13:30 Strategies for an Innovative Built Environment
- Examples of stakeholders' strategies in various fields
 - Round Table
- 16:00 Closing

Thematic parallel sessions will be dedicated to:

- Challenges ahead: new technical solutions, business models and regulatory frameworks to accelerate the renovation of Europe's building stock
- Positive Energy Blocks for a Sustainable Built Environment
- The innovation for the future transport infrastructure
- Materials and Sustainability Innovation in Construction
- The present and future of Cultural Heritage and Urban Regeneration research
- Enabling Environment for Active Ageing: smart spatial models, houses, and technologies in a smart civil society
- National Technology Platforms: The innovation from the countries toward Europe
- Info session and B2B workshop about fostering impacts of projects (organised the Eeb-CA2 Coordination and Support Action funded by the EC)

Exhibition Opportunities

Booths will be made available for exhibitors ready to show innovation cases.

Registration on line at:

<https://fr.xing-events.com/ECTPConference2016.html>

Further information

Please email the Conference secretariat: conference@ectp.org

More about ECTP at: www.ectp.org

Innovative Built Environment

The built environment serves a lot of industries and services (transport, energy, tertiary sector, dwelling, health & care, the silver economy). It therefore impacts the performance of many sectors and our major living environment; it is the place (homes, offices, transport infrastructures, cultural places, schools & universities, hospitals) where we spend more than 80% of our time. Its quality as such directly impacts the quality of our life. Last but not least, paramount challenges such as energy, climate change, efficiency, safety and, more generally, sustainability have been proven to be of the utmost importance for the built environment, and need to be tackled within an integrated approach.

Energy Efficient Buildings

Energy efficiency in buildings is a crucial challenge for Europe since existing buildings represent the highest amount of energy consumed in the EU (about 40%). This sector is also the main contributor to GHG emissions (about 36% of the EU total CO₂ emissions).

Infrastructure and Mobility

Green, smart and cost-effective infrastructure should be developed in order to further increase the performance of multimodal transport. Continuous, efficient and resilient quality of service will make infrastructure a major contributor to improving the transport system, but the impact on the environment and on energy consumption should be reconsidered and adequate measures should be implemented to reduce the negative impacts and increase a positive contribution.

Materials and Sustainability

Materials constitute the basic element to construct the various components of the built environment. Durability, environmental impact and comfort of living are some of the keywords to be considered to tackle the sustainability issues related to materials.

Heritage and Regeneration

Built cultural heritage has a high societal importance: quality of life in cities, the feeling of social safety and cultural identity are closely related with the presence of heritage buildings. It improves welfare and the wellbeing of people in urban areas.

Active Ageing and Design

The number of people over 60 will increase from 900 million to two billion between 2015 and 2050 (moving from 2% to 22% of the global population). The built environment, enriched with new opportunities of digital innovation, matters crucially in enabling new forms of support and creative expression for all ages.



ECTP
INNOVATIVE BUILT ENVIRONMENT

7th ECTP Conference

INNOVATIVE BUILT ENVIRONMENT

CONFERENCE Programme (v. 2016-10-03)

Thursday November 17 (morning)

09:15-09:45	Welcome Coffee (Terarken II+III)
10:00-12:00	OPENING SESSION: Main Challenges of the Built Environment faced by the Sector – Transversal Issues
	Amphitheater "Salle M"
	Welcome: Built Environment to Support Society and Economy - Emmanuel Forest (Bouygues, ECTP President)
	Keynote - European Commission, DG Research and Innovation, Director Industrial Technologies (speaker tbc)
	Keynote - Clara de la Torre (European Commission, DG Research and Innovation, Director Transport) (tbc)
	Keynote - Magda Kopczynska (European Commission, DG Mobility and Transport, Director Innovative and Sustainable Mobility Director) (tbc)
10:00-12:00	The Built Environment as Major Infrastructure for Europe - Jean-Louis Marchand (FIEC President) (provisional title)
	Research, Development and Innovation within the Construction Industry - Juan Elizaga (ENCORD President) (tbc)
	BEA-SE4All, an Example of International Initiative - Jennifer Layke (BEA-SE4All Coordinator)
	Linking European and Regional Levels: the Green Building Challenge Approach (tbc)
	The Role of ECTP to Foster Impacts of Projects: Example of the 4 EeB Coordinated and Support Actions - Regis Decorme (CSTB, EeB-CA2 Coordinator)
	Introduction to Parallel Sessions - Luc Bourdeau (ECTP Secretary General)
12:00-13:00	Lunch and Innovation Cases Exhibition (Terarken II+III)

Thursday November 17 (afternoon)

13:00-18:15	PARALLEL SESSIONS: How the Built Environment innovates in various fields (Part 1)	
	Studio	Terarken I
	CONSTRUCTION INNOVATION FOR THE TRANSPORT INFRASTRUCTURE OF THE FUTURE (Part 1)	MATERIALS AND SUSTAINABILITY INNOVATION IN CONSTRUCTION
	Chair: Miguel Segarra (Dragados, ECTP Vice-President on Infrastructures & Mobility), Alain Zarli (CSTB, REFINET Coordinator)	Chair: Christian Artelt (Heidelberg Cement, ECTP Vice-President on Materials & Sustainability), Gian Marco Revel (Università Politecnica delle Marche)
13:00-14:30	1. Introduction on I&M ECTP strategy and REFINET - Jesus Rodriguez (Spanish Construction Technology Platform) 2. Transport infrastructures R&I priorities and H2020 - Keir Fitch (Innovative & Sustainable Mobility Directorate, DG Move) (tbc) 3. Innovation at transnational transport infrastructure networks - A. Boschen (Connecting Europe Facility Department, INEA) 4. Designing future transport infrastructures – Terry Hill (Arup) 5. Upgrading of existing transport infrastructures - Norbert Prälle (Züblin)	1. Introduction - Olga Rio (Advanced materials & nanotechnologies Unit, DG RTD) 2. Responsible sourcing scheme for concrete - Stefan van Uffelen (Concrete Sustainability Council) 3. Circular economy, a must and an opportunity in construction sector - Vladimir Gumilar (Construction Cluster of Slovenia) 4. Key-findings and impact of European research projects under AMANAC - Maria Founti (NTUA) 5. VERAM, a vision for European raw materials towards 2050 - Patrick Wall (EuroGeoSurveys) 6. The EOTA/ETA regulatory route to facilitate innovative construction materials a smooth and rapid entry into the European internal market - Peter Schellink (EOTA)
	CONSTRUCTION INNOVATION FOR THE TRANSPORT INFRASTRUCTURE OF THE FUTURE (Part 2)	THE PRESENT AND FUTURE OF CULTURAL HERITAGE AND URBAN REGENERATION RESEARCH
	Chair: Miguel Segarra (Dragados, ECTP Vice-President on Infrastructures & Mobility), Alain Zarli (CSTB, REFINET Coordinator)	Chair: Isabel Rodriguez-Maribona (TECNALIA, ECTP Vice-President on Heritage & Regeneration), Adriana Bernardi (ISAC-CNR)
14:45-16:15	6. Operation of transport infrastructure in the future - Kallistratos Dionelis (ASECAP) 7. The impact of climate change on Transport Infrastructure. What lies ahead - (tbc) 8. The knowledge for the improvement of transport infrastructures - Henk Miedema (TNO) 9. REFINET answers to the need on innovation in transport infrastructures - Clemente Fuggini (D'Appolonia) Debate	Part 1: From RTD to Reality: EU cases studies in Energy and Energy Efficiency in Cultural Heritage 1. Energy efficiency in historic buildings, 3ENCULT - Alexandra Troi (EURAC) 2. Energy efficiency in historic cities, EFFESUS - María Casado (Acciona) 3. Renewable energy in built heritage, CHEAP - Davide Poletto (UNESCO) (tbc) Part 2: Round table on the future needs of Cultural Heritage Research & Innovation Johanna Leissner (FRAUNHOFER) (tbc), Luc Pockele (RED), Juergen Frick (Univ Stuttgart) (tbc), Rob Van Hees, TNO, JPI Cultural Heritage (tbc), Marie Yeroyanni / Emmanuela de Mena (Sustainable management of natural resources Unit, DG RTD) (tbc)
16:15-16:45	Coffee break and Innovation Cases Exhibition (Terarken II+III)	
	ENABLING ENVIRONMENT FOR ACTIVE AGEING	THE INNOVATION FROM THE COUNTRIES TOWARD EUROPE
	Chair: Alexander Peine (Univ Utrecht, ECTP Vice-President on Active Ageing & Design)	Chair: Jesus Rodriguez (Spanish Construction Technology Platform, NTPs Network Coordinator)
16:45-18:15	To be detailed.	1. EU framework for innovative public procurement - Antonio Paparella (Clean Technologies & Products Unit, DG Growth) 2. ERA-NETs: building synergies between European and national levels - Ana-Maria Grigore (Strategy Unit, Industrial Technologies, DG RTD) 3. EUREKA: a platform for international R&I cooperation - Oscar Fernandez (CDTI, MINECO, EUREKA Chairmanship) Round Table with NTPs representatives: Jan Desmyter (Belgium), Mette Glavind (Denmark), Gian Marco Revel (Italy), Przemyslaw Dana (Poland), Vladimir Gumilar (Slovenia)
20:00-22:00	Conference Dinner (Restaurant KWINT)	

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Friday November 18 (morning)

09:00-12:30	PARALLEL SESSIONS: How the Built Environment innovates in various fields (Part 2)	
	<i>Studio</i>	<i>Terarken I</i>
	CHALLENGES AHEAD: NEW TECHNICAL SOLUTIONS, BUSINESS MODELS AND REGULATORY FRAMEWORKS TO ACCELERATE THE RENOVATION OF EUROPE'S BUILDING STOCK	DIGITAL TRANSFORMATION
	Chair: Ignacio Clavo or Javier Bonilla (Acciona, ECTP Vice-President on Energy Efficient Buildings), Lorenzo Vallès (Advanced manufacturing systems & biotechnologies Unit, DG RTD)	Chair: Isabel Pinto-Seppä (VTT), Alain Marti (EDF) (tbc)
09:00-10:30	1. Social acceptance for the implementation of energy efficient measures - Joanna Syrda (ASM) 2. A multi-functional envelope system, MEEFS - Karolina Krzastek (Greenovate) 3. Insulating concrete systems based on novel low CO2 binders, ECOBINDER - Federico Meneghello (D'Appolonia) 4. Barriers for market uptake and energy efficient business models – SME Presentation (tbc) 5. The EeB PPP results and monitoring report - Stefano Carosio (D'Appolonia), José Riesgo (Advanced manufacturing systems & biotechnologies Unit, DG RTD) 6. Last development on EPBD - Paul Hodson (DG Energy) (tbc) 7. Example of EFSI national initiative on Energy Efficient Buildings (tbc)	1. ICT for energy efficient buildings - Esa Nykänen (VTT) 2. BIM for construction process - Adam Matthews (UK BIM Task Group) (tbc) 3. ICT for Active Ageing in home - Lorenzo Scalise or Gian Marco Revel (Univ Marche) 4. ICT for Infrastructure - Miguel Segarra (Dragados) 5. Robotics & 3D-printing (tbc)
10:30-11:00	<i>Coffee break and Innovation Cases Exhibition (Terarken II+III)</i>	
	POSITIVE ENERGY BLOCKS FOR A SUSTAINABLE BUILT ENVIRONMENT	FINANCING SOLUTIONS BEYOND THE PROJECT DURATION
	Chair: Paul Cartuyvels (Bouygues, ECTP Presidency)	Chair: Franziska Bergmann (Steinbeis)
11:00-12:30	A PEB is a group of connected neighboring buildings producing more energy than what they use on a yearly basis (heating, cooling, ventilation and lighting as a reference). The PEB Initiative can be seen as the “seed” for an urban renaissance, as it sits at the intersection of the Energy, ICT and Transport priorities. The objective of the Initiative is to build 100 Positive Energy Blocks (PEB) across the EU, with at least one PEB per EU Member State. To be detailed.	Experts will present funding programmes and mechanisms for the financing of innovative technologies developed in EeB projects within FP7/Horizon2020, when funding is needed for the last mile towards commercialisation and market uptake. 1. Introduction to EeB-CA2 - Franziska Bergmann (Steinbeis-Europa-Zentrum) 2. KIC-Inno Energy. Engineering Innovation - Frank Stegink (KIC-Inno Energy) 3. The InnovFIN Programme - Oliver Cusworth (European Investment Bank) 4. COMSE tools - DG RTD (tbc)
12:30-13:30	<i>Lunch and Innovation Cases Exhibition (Terarken II+III)</i>	

Friday November 18 (afternoon)

13:30-16:00	PLENARY SESSION: Roadmaps and future RDI priorities for the built environment	LINKED EVENT: EeB-CA2 Matchmaking Event
	<i>Amphitheater "Salle M"</i>	<i>Terarken I</i>
	Chair: Emmanuel Forest (Bouygues, ECTP President)	Chair: Franziska Bergmann, Maeva Pratlong (Steinbeis)
13:30-15:00	Roadmaps from Partner Organisations 1. Shaping the Future of Construction, a Breakthrough in Mindset and Technology, World Economic Forum Report - Norbert Prälle (Züblin). 2. Supplying Innovations in the Construction Sector. Reflexions on Future Research Needs - ENBRI President or Vice-President 3. The CIB Research Roadmap for a Smart City Vision - Miimu Airaksinen, VTT 4. To be detailed	The EeB-CA2 Matchmaking Event will allow stakeholders along the whole value chain of energy-efficient buildings to meet in pre-arranged bilateral meetings (30 min. each). This will give them the opportunity to get to know each other and discuss possibilities of technological/research/commercial cooperation. Furthermore, the event is open to financing bodies so that technology owners have the chance to directly present their innovations to potential investors.
15:00-16:00	Chair: Emmanuel Forest (Bouygues, ECTP President) Round Table: Which focus as regards the future RDI needs of the built environment sector? Ignacio Calvo or Javier Bonilla, ACCIONA, ECTP Energy Efficient Buildings Committee Miguel Segarra, DRAGADOS, ECTP Infrastructure and Mobility Committee Christian Artelt, HeidelbergCement, ECTP Materials and Sustainability Committee Isabel Rodriguez, Tecnalia, ECTP Heritage and Regeneration Committee Alexander Peine, Utrecht University, ECTP Active Ageing and Design Committee + Speakers	Registration and booking of bilateral meetings at: https://www.b2match.eu/eebca2
16:00	<i>Closure</i>	