

# 8<sup>th</sup> ECTP Conference

When EU Construction industry shapes high-tech Sustainable Built Environment

## CONFERENCE Programme - Day 1 (v. 2018-10-31)

Tuesday November 13 (morning)	
09:15-09:45	Coffee break and Innovation Cases Exhibition ( <b>Terarken II+III</b> )
10:00-11:10	<b>OPENING SESSION: Main Expectations and Challenges of the Built Environment and the Construction Sector - towards HORIZON EUROPE (1)</b>
	<b>Amphitheater "Studio"</b>
	Welcome & Chair: Built Environment and Construction sector supporting European Society, Environment and Economy - <b>Emmanuel Forest</b> (Bouygues, ECTP President)
	Keynote from <b>Jürgen Tiedje</b> (European Commission, DG Research & Innovation, Head of Unit D2)
	Keynote from <b>Haitze Siemers</b> (European Commission, DG ENERGY, Head of Unit C2) on European Smart Cities & Communities context
	Keynote from <b>Kjetil Tønning</b> (FIEC President): Will Horizon Europe be fit for purpose for the construction industry?
11:15-12:15	<b>Main Expectations and Challenges of the Built Environment and the Construction Sector - towards HORIZON EUROPE (2)</b>
	<b>Amphitheater "Studio"</b>
	Chair: <b>Alain Zarli</b> (ECTP Secretary General)
	The New EU Strategic Research and Innovation Agenda on cities - <b>Marie Yeroyanni</b> and <b>Ugo Guarnacci</b> (European Commission, DG Research & Innovation)
	The vision of ECTP and the EeB cPPP to structure comprehensive objectives and foster impacts of R&I projects - <b>Antoine Aslanides</b> (EDF, EeB cPPP Co-Chair)
	Keynote on the European Year of Cultural Heritage - <b>Christos Fragakis</b> (DG Research & Innovation, Acting Head of Unit I3)
	Introduction to the Conference agenda & parallel sessions - <b>Alain Zarli</b> (ECTP Secretary General)
12:15-13:00	Coffee break and Innovation Cases Exhibition ( <b>Terarken II+III</b> )
Tuesday November 13 (afternoon)	
13:00-18:15	<b>PARALLEL SESSIONS: How the Built Environment innovates in various fields</b>
13:00-14:30	<b>Amphitheater "Studio"</b>
	<b>CONSTRUCTION INNOVATION FOR THE TRANSPORT INFRASTRUCTURE OF THE FUTURE</b>
	Chairs: <b>Miguel Segarra</b> (Dragados, ECTP Vice-President on Infrastructures & Mobility), <b>Clemente Fuggini</b> (RINA)
	1. Introduction - <b>Miguel Segarra</b> (Dragados) & <b>Clemente Fuggini</b> (RINA)
	2. Presentation from <b>David Shipman</b> (Network Rail) - title to be confirmed
	3. How digitalization impacts design, construction and asset management - <b>Ruud Smit</b> (Rijkswaterstaat)
	4. The next generation of infrastructure control and monitoring - <b>Petr Hradil</b> (VTT)
	2. FORx4 initiative as a way of strengthening cooperation and paving the way for a sustainable RDI plan in Transport Infrastructure - <b>Thierry Goger</b> (FEHRL)
13:00-14:30	<b>Terarken I</b>
	<b>MATERIALS AND SUSTAINABILITY INNOVATION IN CONSTRUCTION</b>
	Chairs: <b>Christian Artelt</b> (HeidelbergCement, ECTP Vice-President on Materials & Sustainability), <b>Gian Marco Revel</b> (Università Politecnica delle Marche)
	1. Welcome - <b>Olga Rio</b> (EC DG RTD, Advanced materials & nanotechnologies Unit)
	2. ECTP Materials & Sustainability Horizon Europe Position Paper - <b>Gian-Marco Revel</b> (Università Politecnica delle Marche)
	3. Circular economy around concrete - <b>Heike Faulhammer</b> (LafargeHolcim, Group Head of Research & Development)
	4. Key-findings and impact of European research projects under AMANAC - <b>Luis Guaita</b> (Keraben)
	5. EUMAT Materials Platform - Challenges in end user's comfort and risk assessment - <b>Amaya Igartua</b> (Fundación Tekniker)
14:45-16:15	<b>THE EeB cPPP AS A CATALYZER OF THE MOST PROMISING TECHNOLOGIES FOR A SUSTAINABLE AND ENERGY EFFICIENT BUILDING STOCK IN EUROPE</b>
	Chairs: <b>Javier Bonilla</b> (Acciona, ECTP Vice-President on Energy Efficient Buildings), <b>Carlos Saraiva-Martins</b> (EC DG RTD)
	1. Welcome - <b>Carlos Saraiva-Martins</b> (EC DG Research & Innovation)
	2. Introduction to the most interesting technologies focus - <b>Javier Bonilla</b> (Acciona)
	3. Presentations of most promising technologies from the EeB cPPP projects:
	• <b>Advanced materials solutions: SUSCON geopolymers concrete</b> - <b>Alessandro Largo</b> (CETMA)
	• <b>HVAC &amp; Lightning: HELIOPACSYSTEM+ PV/T Solar Collectors combined with water-to-water Heat Pump</b> - <b>Romain Jost</b> (HELIOPAC – SCORES Project)
	• <b>Monitoring: TOPAs CORE</b> - <b>Alan McGibney</b> (Cork Institute of Technology)
	• <b>Urban &amp; District Solutions: EFFESUS Decision Support Tool</b> - <b>Isabel Rodriguez-Maribona</b> (Tecnalia, ECTP Vice-President on Heritage & Regeneration)
	4. EffiBUILDING: a platform to disseminate and exploit your project results - <b>Fabrizio Perrotta</b> (AMIRES)
14:45-16:15	<b>BUILDING AN AGE-FRIENDLY EUROPE</b>
	Chairs: <b>Alexander Peine</b> (Utrecht University, ECTP Vice-President on Active Ageing & Design), <b>Gian Marco Revel</b> (Università Politecnica delle Marche)
	1. A European Reference Framework for Age-friendly Housing - <b>Horst Kraemer</b> (European Commission, DG CONNECT)
	2. Smart Environments for ageing people: potentials for innovative services - <b>Sara Casaccia</b> (Università Politecnica delle Marche)
	3. Age friendly cities — The connected home in its neighbourhood context - <b>Marta Fernandez</b> (RMIT Europe)
	4. Bringing in the perspective of older persons - <b>Julia Wadoux</b> (AGE Platform Europe)
16:15-16:45	Coffee break and Innovation Cases Exhibition ( <b>Terarken II+III</b> )
16:45-18:15	<b>Joint Plenary Assembly of E2B and I&amp;M Committees</b>
	Chairs: <b>Javier Bonilla</b> (Acciona, ECTP Vice-Presidency on Energy Efficient Buildings), <b>Miguel Segarra</b> (Dragados, ECTP Vice-President on Infrastructures & Mobility)
	1. Presentation of E2B Committee activities - <b>Javier Bonilla</b> (Acciona, E2B Committee Chair)
	2. Presentation of I&M Committee activities - <b>Miguel Segarra</b> (Dragados, I&M Committee Chair)
	3. Resilience of European Infrastructures and Buildings to extreme events and aging processes - <b>Donato Zangani &amp; Clemente Fuggini</b> (RINA)
	4. The circular and digital city – technology, stakeholders and business models - <b>Martin Pauli</b> (ARUP, Senior Architect   Foresight + Research + Innovation)
16:45-18:15	<b>LIVING IN A POSITIVE ENERGY DISTRICT: COMBINING TECHNOLOGIES FOR A HIGHER QUALITY OF LIFE</b>
	Chairs: <b>Paul Cartuyvels</b> (Bouygues Europe, ECTP Presidency), <b>Yrsa Cronhjort</b> (VTT, Senior Scientist)
	<i>This panel aims at an innovative approach for urban development: it will combine the state of the art and future of Positive Energy Blocks with exploring solutions based on traditional concepts and affordable resources to facilitate implementation in financially tight contexts. The final objective always remains the improvement of quality of life for the largest number of citizens with the lowest environmental impact.</i>
	* HIKARI in Lyon: the PEB pioneer, technological and societal return of experience - <b>Edward Woods</b> (BOUYGUES Immobilier, Chief Technical Officer)
	* Nordic positive districts, in particular cases from Finland - <b>Francesco Reda</b> (VTT)
	* Tivoli Green District in Brussels: the promise of a social and environmental paradigm for future urban development - <b>Benjamin Cadranet</b> (CITYDEV, General Administrator)
	* Presentation of the Smart Cities Information System (SCIS) - <b>Tatiana Pasquel Garcia</b> (VITO)
	* Innovative solutions to facilitate energy efficiency deployment in districts and cities with a financial constraint - <b>Oliver Rapf</b> (BPIE, Director)
20:00-22:00	Conference Dinner (KWINT, Mont des Arts 1, 1000 Brussels)

# 8<sup>th</sup> ECTP Conference

## When EU Construction industry shapes high-tech Sustainable Built Environment

### CONFERENCE Programme - Day 2 (v. 2018-10-31)

Wednesday November 14 (morning)															
08:45-11:45	PARALLEL SESSIONS: How the Built Environment innovates in various fields (Part 2)														
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	Signature of MoUs - ECTP-FEHL and ECTP-ENCORD														
	Chair: <b>Emmanuel Forest</b> (Bouygues, ECTP President)														
	The role of Cultural Heritage in re-naturing cities: learning from the past, designing for the future / EU project ThinkNature - <b>Sara Van Rompaey</b> (E <sup>2</sup> ARC)														
	User-centered design: methods and applications - <b>Joanna Syrda</b> (ASM)														
12:20-14:00	<p><b>Concluding Round Table: Which focus as regards the future RDI needs of the Built Environment sector?</b></p> <ul style="list-style-type: none"> <li>o <b>Javier Bonilla</b>, ACCIONA, ECTP Energy Efficient Buildings Committee</li> <li>o <b>Miguel Segarra</b>, DRAGADOS, ECTP Infrastructure &amp; Mobility Committee</li> <li>o <b>Christian Artelt</b>, HeidelbergCement, ECTP Materials &amp; Sustainability Committee</li> <li>o <b>Isabel Rodriguez</b>, Tecnalia, ECTP Heritage &amp; Regeneration Committee</li> <li>o <b>Alexander Peine</b>, Utrecht University, ECTP Active Ageing &amp; Design Committee - to be confirmed</li> </ul>														
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#### Conference venue:

**Palais des Beaux Arts / Centre for Fine Arts**  
23 Rue Ravenstein, 1000 Brussels, Belgium

