

Draft Programme (v. 2020-11-29)

Friday December 3, 2021

08:15-08:45	<i>Welcome (Galería de Cristal)</i>	
08:45-12:00	PARALLEL SESSIONS: How the Built Environment innovates in various fields (Part 2)	
	Auditorium "Caja de Música"	Sala Berlanga
	Role of Materials & Sustainability in Horizon Europe	Establishing the foundations for a European Construction digitalization
8h45-10h15	<p>Chairs: Christian Artelt (HeidelbergCement, ECTP Vice-President on Materials & Sustainability), Gian Marco Revel (Università Politecnica delle Marche)</p> <p>* The beginning of a new framework program: What are the opportunities for materials & sustainability that we may we expect? - Olga Río Suárez (Policy Officer at European Commission, DG for Research and Innovation)</p> <p>* Research on Material & Sustainability in Europe: What can be the role of construction? - Marco Falzetti (A4M & EUMAT Chair; General Director of APRE)</p> <p>* Round table: Challenges in materials & sustainability research – An expert discussion</p> <ul style="list-style-type: none"> - Teresa Riesgo (Spanish Ministry of Science and Innovation, Secretary General of Innovation) - Paul Cartuyvels (Bouygues Europe) - Antonio Gíregre (Keraben) - Jaime Moreno Juez (Tecnalia) - Veronika Schröpfer (ACE) 	<p>Chairs: Jesus Angel Garcia Sanchez (INDRA, ECTP Vice-President on Digital Built Environment), Isabel Pinto-Seppä (VTT)</p> <p>* ECTP DBE Committee's Position Paper - Jesus Angel Garcia Sanchez (INDRA) and Isabel Pinto Seppä (VTT)</p> <p>* Big Data and AI-enabled services for the building sector and beyond - Tasos Tsitsanis (Suite 5)</p> <p>* SmartBuilt4EU: the Smart Building Innovation Community - Alexis David (ECTP)</p> <p>* Enabling the use of state-of-the-art Construction Digital Technology in Portugal - BUILT CoLAB - Rita Moura (PTPC)</p> <p>* Spanish National Strategic Plan about Digital Transformation of the Construction Sector - Jesus Angel Garcia Sanchez (INDRA)</p>
10:15-10:30	<i>Break</i>	
	Circular economy in the built environment: present challenges and future vision	Simulations across Building Lifecycle in Building Digital Twin Environments
10:30-12:00	<p>Chairs: Javier Bonilla (Acciona, ECTP Vice-President on Energy Efficient Buildings), Gian Marco Revel (Università Politecnica delle Marche)</p> <p>What are the key steps the EU Construction sector must take by 2030 to generalise a circular economy for buildings and infrastructures?</p> <p>The Construction industry is a key driver of Europe's economic value creation and societal wellbeing and has an obvious role to play in decarbonisation to reach the EU 2030 objectives. The European Green Deal and the Renovation Wave plan both provide a unique opportunity for the European Construction and built environment to accelerate the transition to resource-efficient and low-carbon buildings and infrastructures.</p> <p>Inspirational talks from:</p> <ul style="list-style-type: none"> - Susana Saiz - Director Sustainability and Energy team in Madrid (ARUP) - Christopher El Khoury - Circular Economy Group (Intesa San Paolo) - Mona Nassereldine - Circular Economy Division (CSTB) - Edith Guedella - Head of roads and environment group. Circular economy expert (ACCIONA) 	<p>Chairs: Sami Kazi (VTT), Eduard Loscos (IDP / BDTA)</p> <p>The concept of "Building Digital Twins" needs to be well defined to avoid another new diffuse and trendy topic. This session will be focused on how the simulation and its link with monitoring must be included along the Buildings Lifecycle.</p> <p>* Welcome and presentation of BDTA Working Group 4: Lifecycle Simulation under Building Digital Twin Environments - Eduard Loscos (BDTA) & Sami Kazi (VTT)</p> <p>* Human Thermal Models and building interactions - Kalevi Piira (VTT)</p> <p>* A profitable mathematical simulation in buildings using SIMBOTS, SPHERE project - Pablo Vicente (BDTA)</p> <p>* DigiPlace: towards an EU Platform harmonization - Alberto Pavan (Politecnico de Milano)</p> <p>* Simulation processes under Bim4EEB project - Claudio Mirarchi (Politecnico de Milano)</p> <p>* Bim4Ren & BIM2TWIN projects, from BIM to Simulations Models (Kubik experience) - Eneritz Barreiro (Tecnalia)</p>
12:00-12:15	<i>Break</i>	
12:15-14:00	CLOSING PLENARY SESSION: Open innovation and future RDI challenges for the Built Environment	
	Auditorium "Caja de Música"	
	Chair & Introduction: Paul Cartuyvels (Bouygues Europe, ECTP President)	
12:20-13:00	<p>Adaptation & resilience of the European built environment to new challenges and threats</p> <p>Chairs: Isabel Rodríguez-Maribona (Tecnalia Research & Innovation) & Miguel Segarra (Dragados)</p> <p>Session content - How the new way of living could make a new built environment</p> <ol style="list-style-type: none"> 1) <i>The future built environment in response to climate change mitigation and adaptation</i> 2) <i>The new use of the city, buildings and infrastructures in the green and digital context</i> 3) <i>The role of the construction industry towards a more resilient, healthy and safe built environment</i> <p>Session structure</p> <p>* Introductory inspirational talk - Miguel Segarra (Dragados)</p> <p>* Round table about adaptation & resilience of the European built environment:</p> <p>Panelists: Borja Carabante Muntada (Delegate of Mobility and Sustainability of the Madrid City Council), Paul Cartuyvels (Bouygues Europe), Norbert Pralle (STRABAG Group)</p> <p>Moderator: Isabel Rodríguez-Maribon (Tecnalia)</p> <p>* Debate with audience</p>	
13:00-13:05	<i>Break</i>	
13:05-13:45	<p>The hydrogen economy and the built environment: challenges and opportunities at European and local scale</p> <p>Chairs: Fabio Magrassi (STAM), Antonio Lucci (RINA) & Angelo Moreno (STRESS)</p> <p>Session content - How hydrogen will impact the roadmap of the built environment towards a net zero transition:</p> <ol style="list-style-type: none"> 1) <i>The technology landscape and future strategic value chains</i> 2) <i>The key role of regulations and standards to accelerate market uptake:</i> 3) <i>The role of the built environment within future hydrogen valleys, synergy with energy communities and major EU flagship initiatives</i> <p>Session structure</p> <p>* Introductory inspirational talk - Bart Biebuyck (Fuel Cells And Hydrogen Joint Undertaking)</p> <p>* Round table on questions 1 to 3 with a group of 4 experts: Antonio Lucci (RINA), Angelo Moreno (STRESS), Miguel Angel Paris (ACCIONA), Andrea Tomasi (SOLID POWER)</p> <p>Moderator: Fabio Magrassi (STAM)</p> <p>* Debate with audience</p>	
13:45-14:00	Closing speeches from Begoña Villacis (Vice Mayor of Madrid - tbc) and the Organising Committee	
14:00-14:45	<i>Closing lunch (Galería de Cristal)</i>	