

### Draft Programme (v. 2020-11-22)

**Thursday December 2, 2021**

08:45-09:30	Welcome coffee (Galería de Cristal)	
	<b>OPENING PLENARY SESSION - Part I</b>	
	<b>Auditorium "Caja de Música"</b>	
9:30-10:55	<p><b>Chairs:</b> Paul Cartuyvels (Bouygues Europe, ECTP President), David Garcia Nuñez (MWCC President)</p> <p>* Welcome from <b>José-Luis Martínez-Almeida</b> (Mayor of Madrid - tbc) and <b>ECTP President</b>, introductory speeches by <b>Pedro Fernández</b> (President of PTEC and CNC) and <b>MWCC President</b></p> <p>* Keynote from DG Energy: <b>Robert Nuij</b> (Deputy Head of Unit, Energy Efficiency) - <b>Fit for 55: delivering the European Green Deal – Energy efficiency first toward climate neutrality</b></p> <p>* Keynote from DG Research and Innovation: <b>Helene Chraye</b> (Deputy Director of Directorate Clean Planet, Clean Energy Transition) - <b>Building our cities: Energy in construction and the built environment</b></p> <p>* Presentation of <b>Built4People Partnership – Alain Zarli</b> (ECTP Secretary General)</p>	
10:55-11:00	Break	
	<b>OPENING PLENARY SESSION - Part II</b>	
	<b>Auditorium "Caja de Música"</b>	
11:00-12:15	<p><b>Chairs:</b> Ilari Aho (UPONOR, ECTP Presidium Member), Jesús Rodríguez (Universidad Politécnica de Madrid, former PTEC Managing Director)</p> <p>* <b>Beyond COP: the Start of a Decisive Decade for Humanity</b> - Nigel Tonks (Region UKIMEA Sustainable Development Leader, Arup)</p> <p>* <b>Structuring the European Construction sector Innovation Ecosystem with METABUILDING</b> – Germain Adell (NOBATEK/INEF4)</p> <p>* <b>Challenging the Construction sector through the building envelope: a vision to be part of the future era</b> - Maurizio Focchi (CEO of Focchi Group)</p> <p>* <b>Twin transition: dynamic innovation industrial ecosystem models around a smart building platform and digitalization of construction worksites</b> - Isabel Pinto-Seppä (VTT) and Clemente Fuggini (RINA)</p> <p>* <b>Fostering a systemic and inclusive circular paradigm at city and regional scale with full engagement of citizens, the FRONTSHIP Project</b> - Michele Andolfo (R&amp;D Director, K-FLEX), Stefano Carosio (Executive Director, Stam srl)</p> <p>* <b>Introduction to the Conference agenda &amp; parallel sessions</b> - Alain Zarli (ECTP Secretary General)</p>	
12:15-13:00	Lunch break (Galería de Cristal)	
13:00-16:15	<b>PARALLEL SESSIONS: How the Built Environment innovates in various fields</b>	
	<b>Auditorium "Caja de Música"</b>	<b>Sala Berlanga</b>
13:00-14:30	<p style="text-align: center;"><b>Infrastructure &amp; Mobility Committee: Current research examples and future trends outlook</b></p> <p><b>Chairs:</b> Miguel Segarra (Dragados, ECTP Vice-President on Infrastructures &amp; Mobility), Clemente Fuggini (RINA Group)</p> <p>* <b>Opening</b> - Dr. Miguel Segarra (Head of R&amp;D&amp;I, DRAGADOS, ECTP Vice-President)</p> <p>* <b>Keynote speech: City Resilience Plans</b> Piero Pellizzaro (Chief Resilience Officer, Ambassador   European Climate Pact, Sharing Cities City Lead, City Resilience Department, Environmental Transition Department, Milan Municipality)</p> <p>* <b>European R&amp;D&amp;I priorities in road infrastructure for 2021-2024</b> Thierry Goger (Secretary-General of FEHRL - Europe's National Road Research Centres)</p> <p>* <b>Technology Trends and challenges for Transport Infrastructure</b> Jesús Isoird (Director of Infrastructure, TECNALIA)</p> <p>* <b>Monitoring of European transport infrastructure : from needs to standardisation</b> Agnieszka Bigaj-van Vliet (TNO / H2020 CSA IM-SAFE)</p> <p>* <b>GEOLAB, Science for enhancing Europe's Critical Infrastructure</b> Ton Peters (Expert advisor at Deltares and coordinator of GEOLAB)</p> <p>* <b>TRA 2022</b> - Joana Dias (Head of Office, MAGELLAN)</p> <p>* <b>Closing</b> - Clemente Fuggini (RINA, member of the I&amp;M Executive Board) &amp; Miguel Segarra (Dragados, ECTP Vice-President)</p>	<p style="text-align: center;"><b>The role of the built environment in promoting health and wellbeing</b></p> <p><b>Chairs:</b> Marta Fernandez (RMIT Europe, ECTP Vice-President on Built4Life), Helianthe Kort (TU Eindhoven)</p> <p>People spend more than 90% of their time indoors. The characteristics of the built environment have a tremendous impact in people's health and wellbeing. Air quality, noise, light, access to nature, bicycle lanes, community engagement opportunities have a positive impact on health and wellbeing. Health and wellbeing for all generations must be part of the systems change of the low carbon transition. If we are driving towards a regenerative future, we need to look after planet and people's health.</p> <p>* <b>The healthy buildings movement</b> Ann-Marie Aguilar (Senior Vice-President EMEA Region, International WELL Building Institute)</p> <p>* <b>Design and liveability: the Challenge in Our Cities</b> Tom Holbrook (Director, 5th Studio and Design Advocate of the Mayor of London, Greater London Authority)</p> <p>* <b>Healthy and regenerative cities</b> - Susana Salz (Director, Arup Spain)</p> <p>* <b>Smart Healthy Age-Friendly Environments and the NET4Age-Friendly Network</b> - Carina Dantas (CEO, SHINE 2Europe)</p> <p>* <b>Homes4Life: Certification for ageing in place</b> - Silvia Urria Uriarte (Senior Researcher, Tecnalia Research &amp; Innovation)</p> <p>* <b>How buildings can be health promoters</b> - Marco Gola (Researcher, Politecnico di Milano)</p>
14:30-14:45	Break	
14:45-16:15	<p style="text-align: center;"><b>Embracing B4P Partnership: The transition from energy efficient buildings to a sustainable built environment</b></p> <p><b>Chairs:</b> Javier Bonilla (Acciona, ECTP Vice-President on Energy Efficient Buildings), Norbert Pralle (STRABAG Group / ENCORD Chairman)</p> <p><b>Inspirational talk from 3 EeB cPPP funded projects showing the benefits of cooperation and partnership:</b></p> <ul style="list-style-type: none"> <li>* Hybuild - Carmine Pascale (Stress)</li> <li>* RenoZeb - Michele Vavallo (Solintel)</li> <li>* BIM-Speed - Timo Hartmann (TU Berlin)</li> </ul> <p><b>Round Table</b> - representatives from the different stakeholders group involved in the Partnership will discuss around the need of B4P Partnership and a scope broader than energy efficiency to achieve a Sustainable Built Environment:</p> <ul style="list-style-type: none"> <li>* Juan Perez (Tecnalia - RTOS)</li> <li>* Stefano Carosio (STAM - SME)</li> <li>* Norbert Pralle (STRABAG / ENCORD - Large contractors and suppliers)</li> <li>* Lucia Iñigo (CDTI - Public Administration - Member States)</li> </ul>	<p style="text-align: center;"><b>Urban challenges in the low carbon transition</b></p> <p><b>Chairs:</b> Marta Fernandez (RMIT Europe, ECTP Vice-President on Built4Life), Paul Cartuyvels (Bouygues Europe, ECTP President)</p> <p>In the urban era, cities need transformation to convert into regenerative and liveable places that attract talent, investment and innovation. National action is critical and needs to be combined with the development of impactful urban interventions that conserve energy and reduce emissions. Urban development that considers: density, clean and efficient mobility options, local clean energy supply and efficient waste management, can not only contribute to reduce carbon but also improve liveability.</p> <p>* <b>The Barcelona Green Deal</b> - Barbara Pons Giner (Advisor to the Deputy Mayor, Barcelona City Council)</p> <p>* <b>Madrid roadmap towards climate neutrality</b> - Juan Azcarate (Director of Climate Change, City of Madrid, Madrid + Natural)</p> <p>* <b>Making Hydrogen affordable to sustainably operate in European cities</b> - Stefano Barberis (EverywH2ere project Lead, RINA)</p> <p>* <b>The role of urban design in the low carbon agenda</b> - Juan Cortes (Urbanism &amp; Sustainability Lead, JLL)</p>
16:15-16:45	Coffee break (Galería de Cristal)	
	<b>Auditorium "Caja de Música"</b>	<b>Sala Berlanga</b>
16:45-18:15	<p style="text-align: center;"><b>Innovation is a collective endeavour: METABUILDING Platform as the backbone of the European Construction sector Innovation Ecosystem</b></p> <p><b>Chairs:</b> Claudia Hunziker Keller (NOBATEK/INEF4), Luigi Perissich (FederCostruzioni)</p> <p>The session will focus on the presentation of a new innovation support platform that aims at permitting the exchange and collaboration of actors of the Construction interested in engaging in innovation. Learn why this platform could be important for you by listing to others and help to shape the platform through sharing your innovation support needs with us.</p> <p><b>Content</b> <b>Short presentation of the innovation support provided by the METABUILDING platform &amp; the testing services provided by METABUILDING LABS followed by a round table on the added value of this platform for different types of users:</b></p> <ul style="list-style-type: none"> <li>• Carlos Martínez (PTEC) - National Construction Technology Platform</li> <li>• Paula Queipo (IDONIAL/AM Platform) - RTOs &amp; cross-sectoral platforms</li> <li>• Jorge Rodríguez (Main Rail Solutions) - SMEs</li> <li>• Alain Zarli (ECTP) - EU platforms</li> </ul> <p>&gt; Open discussion on innovation support needs with the participants of the session</p>	<p style="text-align: center;"><b>Opportunities for European Cultural Heritage in a post-pandemic era: research networks &amp; infrastructures</b></p> <p><b>Chairs:</b> Isabel Rodríguez-Maribona (Tecnalia, ECTP Vice-President on Heritage &amp; Regeneration), Adriana Bernardi (ISAC CNR)</p> <p><b>1) Present &amp; future research needs for European Cultural Heritage (CH) in the post pandemic era:</b></p> <ul style="list-style-type: none"> <li>* Introduction about main European initiatives in the field of CH research - Adriana Bernardi (ISAC CNR)</li> <li>* The perspective of the Heritage &amp; Regeneration Committee of the ECTP - Isabel Rodríguez-Maribona (Tecnalia)</li> <li>* The perspective of JPI Cultural Heritage - Alexandre Causé (French Ministry of Culture, Foundation for Cultural Heritage Sciences)</li> </ul> <p><b>2) New European Research Infrastructures in cultural heritage:</b></p> <ul style="list-style-type: none"> <li>* The European Research Infrastructures - Isabel Rodríguez-Maribona (Tecnalia)</li> <li>* Competence Centre on the Conservation of Cultural Heritage (4CH) - Francesco Taccetti (Istituto Nazionale di Fisica Nucleare)</li> <li>* Integrating Platforms for the European Research Infrastructure ON Heritage Science (IPERION HS) - Paula Carmona (Instituto de Química Física Rocasolano CSIC)</li> </ul>
20:00-22:00	Conference Dinner	

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Friday December 3, 2021

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