



EVENT SUMMARY

The Fourth International conference Progress of Recycling in the Built Environment was held at Laboratório Nacional de Engenharia Civil, LNEC, on 11 and 12 October 2018. A total of 109 attendees, 84% from Europe, 14% from America and 2% from Asia, participated in the event.

The conference was opened by Dr. Maria de Lurdes Antunes, Member of the Board of Directors of LNEC, who drew the attendees' attention to the relevance of recycling in the context of pursuing the transition to a circular economy and the need to promote international collaborative projects to drive materials recovery. In this context, the important role of Prof. Enric Vázquez Ramonich in the implementation of the conference series "Progress of Recycling in the Built Environment" was underlined.

After the opening session, a brief presentation of RILEM was carried out by Dr. Arlindo Gonçalves, Head of the Materials Department of LNEC (Fig.1). An overview covering the objectives, the organization, the Technical Committees and the publications was provided. The RILEM flyer was included in the folders delivered to attendees.



Figure.1 RILEM presentation

The conference program included 4 relevant Keynote Lectures as follows:

“30 Years Recycling as a RILEM Topic – what did we learn, what did we forget, what must we do?”, given by Dr.-Ing. habil. Anette Müller, from IAB - Institut für Angewandte Bauforschung Weimar gGmbH;



"Circular economy & Resource use efficiency and recycling on the built environment.", taken by Prof. Dr. Vanderley M John, from Escola Politécnica, Universidade de São Paulo;

"Carbon dioxide sequestration: Relevance for recovering CDW.", delivered by Prof. Dr. Chi-Sun Poon, from Hong Kong Polytechnic University;

"Construction and demolition waste: How to close the loop?", given by Prof. Dr. Jorge de Brito from Instituto Superior Técnico, Universidade de Lisboa

In the 10 scientific sessions held, a total of 55 oral communications were provided. The conference also included 1 session for poster presentation and 1 session with 2 working groups on the subjects "Processing Techniques; Quality and Confidence" and "Efficient Use of Recycled Materials in Concrete". For the closure, 1 round table with the four Keynote Lecturers on the challenges faced by C&DW recycling was carried on (Fig.2).



Figure.2 Round table



Figure.3 Tribute to Prof. Enric Vázquez

The Organizing Committee has paid a special tribute to Prof. Enric Vázquez Ramonich (Fig. 3) for his work and his commitment on the subject of C&DW recycling.

The conference has had the institutional support of RILEM, of European Demolition Association, of Smart Waste Portugal, of Portuguese Engineers Order and of Egeac and was sponsored by Elevo Group, Tecnovia, Portuguese Technical Engineers Order, Cimpor – Intercement, Cenfic and Ambigroup.