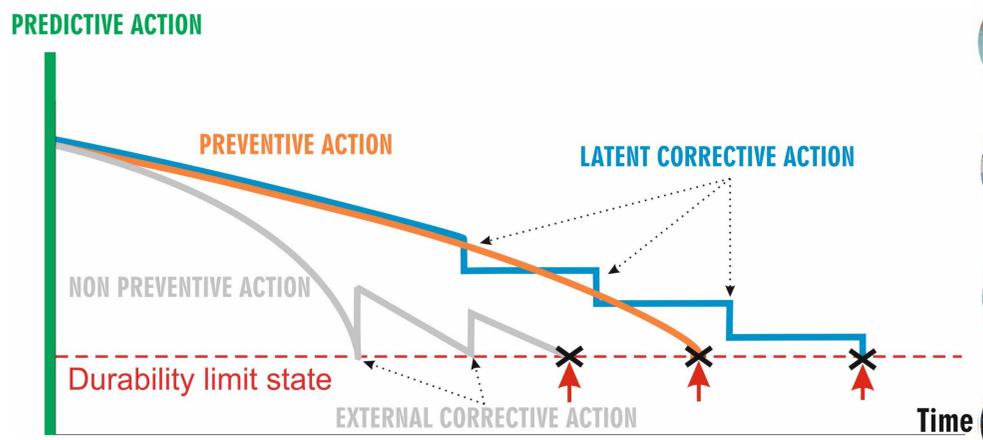


Predictive Preventive Corrective Constructions (PPCC-2019)

Madrid - 19th March 2019



R. Garcia (SIKA), M.C. Alonso (CSIC-IETcc), J. Puentes (CSIC-IETcc) & J. Vera (ACCIONA Const)



New concrete technologies and products based on "self-responsive capacity" are quickly advancing. The framework for their practical implementation needs dissemination of experiences. Guide principles to value them in the market are claimed for accurate life cycles analysis. This networking event address the opportunities for the emerging self-responsive concrete challenges, with open discussions between the different stake-holders involved in the construction R+D&I.

NON-active Maintenance durability strategy for long lasting service life

Sustainability and Durability in construction are challenges that need to advance together for long lasting concrete structures. Actual solutions imply costly maintenance activities along the Service Life of the structure. Durability actions based on a "NON-active Maintenance" (towards a zero-maintenance) are the strategies coming for the future. The Integration of self-responsive actions in the concrete with **PREDICTIVE – PREVENTIVE – CORRECTIVE** capabilities, will be the approach for long lasting constructions. This will allow to reach the balance within life cycle sustainability assessment (LCSA) to reach the expectations of EU Policy for materials and products.

Registration	
9:00 – 9:15	LORCENIS Challenges <i>C. Simon, M. Pilz (Norway) SINTEF</i>
9:15 – 9:30	Frame for NON-active maintenance actions <i>CSIC-IETcc / SIKA / ACCIONA</i>
9:30 – 9:45	Sustainability, standards & targets <i>I. Jarauta (Spain) ANFAH</i>
Market analysis	
9:45 – 10:15	Durability prescriptions & profitability <i>E. J. Ayala (Spain) ACCIONA</i> Experience in offshore construction <i>K.T. Fosså, K. Haldorsen (Norway) KVAERNER</i>
Panel analyses of PREDICTIVE actions	
10:15 – 11:00	Health monitoring of structures <i>M. C. Alonso (Spain) CSIC-IETcc</i> Expectances with site monitoring <i>E. Camacho (Spain) RDC</i> New materials for self-diagnosis <i>A. Korzhenko (Spain) Arkema</i>
11:00 – 11:30	Coffee break
Panel analyses of PREVENTIVE actions	
11:30 – 12:15	Active contributing technologies <i>R. Garcia (Spain) SIKA</i> Expectances from self-curing systems <i>M. Francini (Italy) BUZZI UNICEM</i> Expectances from self-protection systems <i>F. Maia (Portugal) SMALLMATEK</i>
Panel analyses of Latent CORRECTIVE actions	
12:15 – 13:00	Crack sealing technologies <i>K. Van Tittelboom (Belgium) UGent</i> Practice needs of crack sealing <i>U. Mueller (Sweden) RISE-CBI</i> Expectances from self-healing systems <i>J. Vera (Spain) ACCIONAConst</i>
13:00 – 13:15	Actual needs & future expectances from new NON-active Maintenance technologies <i>M. Arana (Spain) Fomento Ministry, harbors affair</i>
13:15– 13:45	Sustainability & EU policy in RTDI calls <i>L. Iñigo (Spain) CDTI (NMBP Nat. contact)</i>
13:45– 14:00	Final analyses and conclusions <i>SIKA/CSIC-IETcc / ACCIONA</i>
Lunch/networking event	



www.sintef.no/lorcenis

Local Organisers:

CSIC-IETcc-ACCIONA Construcción-SIKA Spain

Event location:

Institute of Construction
Science Eduardo Torroja
C/ Serrano Galvache, 4
Madrid. 28033 (Spain)
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No-fees

Registration required:
PPCC-2019@ietcc.csic.es

Limited capacity

