



LIAISON Final Event

in collaboration with CIRCUIT project

Thursday, 4th June 2026
15:45-18:30 - Ernest Lluch Room

address: Península de la Magdalena, Caballerizas reales
Calle Familia Real, 1, 39005 Santander, Cantabria, España

Organisers: ACCIONA, UNICAN-GITECO, IECA and TECNALIA

The workshop provides a concise overview of the progress and outcomes of both European research projects. Key topics include solutions for enhancing the circularity and digitalization of transport infrastructure, alongside technologies aimed at reducing energy consumption and emissions. Additionally, a panel of road authorities will discuss the challenges faced by both consortia and explore how green and innovative procurement can drive sustainability across the transport sector.

15:45-17:00	SESSION 1: CIRCULAR AND BIO-BASED SOLUTIONS FOR TRANSPORT INFRASTRUCTURES	
15:45-15:50	<i>Moderator: David Garcia Sanchez (TECNALIA)</i>	
15:50-16:00	Circular Economy and decarbonisation strategies.	Antonio Muruais (MITMS)
16:00-16:20	Innovative solutions for asphalt pavements: Bio-binders and high penetration PMB to reduce embodied carbon, maximise the use of reclaimed asphalt and increase durability. Experience in Cantabria.	Irune Indacoechea (UNICAN-GITECO)
16:20-16:30	First full-scale demonstrator of smart precast geopolymers pavements with real-time traffic load monitoring.	Laura Piarulli (ACCIONA)



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16:30-16:40	Modular solutions for bridges: Low-carbon prefabricated slabs designed for disassembly.	Sandra Skaric (Infraplan Consulting)
16:40-16:50	Circular ballast and concrete solutions towards more sustainable and circular railways. Experience in Slovenia.	Stanislav Lenart (ZAG)
16:50-17:00	Digital fabrication of optimized Reinforced Concrete beams.	Jean François Caron (ENPC)
17:00-17:15	Coffee break	
17:15-18:30	SESSION 2: SMART SOLUTIONS, ENERGY EFFICIENCY AND RENEWABLES ENERGIES FOR TRANSPORT INFRASTRUCTURES	
17:15-17:20	<i>Moderator: Thierry Goger (FEHRL)</i>	
17:20-17:30	New intelligent pavement distress detection tool. Experience in Cantabria.	Pablo Pascual (UNICAN-GITECO)
17:30-17:40	The CIRCUIT platform. A decision-support tool to promote more sustainable and circular bridges and roads designs.	Rahul Tomar (DTT)
17:40-17:50	Tunnel Fan and lighting optimization systems for digital management environment Experience in Bizkaia.	Jorge Norniella (ZITRON)
17:50-18:00	Energy hybrid-generators for advanced lighting poles. Experience in Italy.	Patrizia Bellucci (ANAS)
18:00-18:10	Photovoltaic guardrail solution as a new prosumer component of the future's road. Experience in Italy.	Gorka Imbuluzqueta (TECNALIA)
18:10-18:30	Panel of Road and Railway authorities and operators: How GPP and IPP will boost innovation and sustainability across the transport sector.	MITMS (Antonio Muruais), ACLIMA (Olga Martin), ANAS (Patrizia Bellucci), Slovenian Railways, Croatian Motorways (Bojan Vivoda)
18:30	End of workshop	

