



International Workshop “Leveraging Innovative Technologies to Improve Asset Management”

Coordination



**Infraestruturas
de Portugal**

Co-coordination



**LABORATÓRIO NACIONAL
DE ENGENHARIA CIVIL**

October 1, 2025 | Almada, Portugal

08:30 am • 3:30 pm

Campus da Infraestruturas de Portugal

38.676276, -9.177422

Registration

08:30 - 09:00

Opening session

09:00 - 09:30

Opening remarks, Miguel Cruz (President of IP, Portugal)

Opening remarks, Rui Neves Soares (on behalf of the President of IMT and 1st Delegate of Portugal PIARC)

Institutional Presentation of PIARC, Miguel Caso Florez (Technical Director, PIARC General Secretariat)

Introduction of PIARC TC3.3, Gerardo Flintsch (Chair of TC 3.3, USA)

Official Opening Remarks, João Portela (President of CRP, Portugal)

Session 1 - Technologies for data collection and asset monitoring

09:30 - 11:00

Chaired by Lurdes Antunes (TC 3.3/ CRP WG, Portugal) and Michelle Baran (TC 3.3, Australia)

Innovative data collection and analysis, Fernando Varela Soto (TC 3.3, Spain)

Data collection for integration of asset management and road infrastructure safety management on secondary roads, Simona Fontul (LNEC, Portugal)

Towards the development and enhancement of a condition index in Argentina. The use of AI in pavement engineering, Gustavo Mezzelani, ITYAC (TC 3.3, Argentina)

Potential barriers for the widespread use of new technologies, Teresa Alves and João Espírito Santo (NRV, Portugal)

Q&A and debate

Conclusions by the session chair

Closing remarks, Hugo Espírito Santo, Secretary of State for Infrastructure

11:00 - 11:30 Break

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Session 2 - Technologies in analysis and decision-making

11:30 – 13:00

Chaired by Maria Conceição Azevedo (TC 3.3, Portugal) and Wilmar Fernandez (TC 3.3, Colombia)

BIM and Asset Management, Rade Hajdin (TC 3.3, Switzerland)

Reshaping Bridge Inspection with AI, 3D tools and BIM, Vítor Brito (Grupo Betar, Portugal)

Consistent display of data and analysis doesn't always mean consistent decision making, Paul Geck (TC 3.3, New Zealand)

Integrating Waze for Cities Data into Road Operations & Asset Management, João Figueiredo (Grupo Mota-Engil, Portugal)

Q&A and debate

Conclusions by the session chair

Panel discussion - What works in asset management?

13:00 – 13:45

Carlos Biscaia (Grupo Brisa, Portugal), Marco Baldeiras (IP, Portugal), Christian Honeger (TC 3.3) (ASFiNAG, Austria), Mehdi Leigri (TC 3.3) (Estonian Transport Administration, Estonia), and Michael Johnson (TC 3.3) (California DOT, USA)

Moderation by João Morgado (IP, Portugal)

Closing remarks

13:45 – 14:00

Technical conclusion from TC 3.3, Gerardo Flintsch (Chair of TC 3.3, USA)

Official closing from Portugal, Eduardo Fortunato (Member of the Board of LNEC)

14:00 – 15:30 Lunch and networking



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PIARC is the World Road Association founded in 1909 as a non-profit, non-political Association with a goal of organising exchange of knowledge on all matters related to roads and road transport. The Association now boasts 128 government members worldwide and retains consultative status to the Economic and Social Council of the United Nations. For more information, please visit the official website: <https://www.piarc.org/>

PIARC's Key Missions are:

- To be a leading international forum for analysis and discussion of the full spectrum of transport issues related to roads and related transport;
- Identify, develop, and disseminate best practice and give better access to international information;
- Consider within its activities the needs of developing countries and countries in transition fully;
- Design, produce, and promote efficient tools for decision making on matters related to roads and related transport.

PIARC – Technical Committee 3.3 Asset Management

Technical Committee 3.3 "Asset Management" looks to further improve the collective understanding of asset management with a view to more effectively managing assets to optimize asset performance. The first stream of work investigates how digital technologies can improve an asset manager's understanding of the asset base, its condition, and its predicted performance. The second stream of work continues to build upon the body of knowledge on the use of risk and resilience analysis metrics. The third stream of work seeks to identify successful approaches for renewal and rejuvenation of aging infrastructure. Where relevant, case studies developed through the aforementioned work streams are incorporated within updates to the Road Asset Management Manual.

3.3.1 Leveraging Technology to Improve Asset Management Practice

3.3.2 Measures for reducing risks and improving the resilience of road networks

3.3.3 Renewal and rejuvenation of aging infrastructure

3.3.4 Update the content of the Road Asset Management Manual

<https://www.piarc.org/en>

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Portuguese Road and Rail Center (CRP)

The Portuguese Road and Rail Center (CRP) is a private and non-profit association with almost 27 years of existence. It was founded in 1998 by public and private entities from the Portuguese road sector (currently also the railway sector). Its mission is to encourage a better understanding of the importance of Transportation and Infrastructure for economic development, environmental sustainability, and social inclusion. Currently has more than 30 collective members. As a platform for sharing technical and scientific knowledge, the CRP has seven working groups and more than 120 members, focused on the following topics: environment; structures; asset management; infrastructure and railway operations; ITS; pavements; and road safety.

<https://crp.pt>

Infraestruturas de Portugal (IP)

Infraestruturas de Portugal (IP) is responsible for managing road infrastructures under the General Concession Contract for the national road network, entered into with the State. It also provides the public service of managing the infrastructure that forms part of the National Railway Network (RFN), under delegated authority from the Portuguese State through the execution of a Program Contract for the railway sector.

In this context, IP is a unique company both nationally and internationally, combining unmatched expertise – rooted in the experience and competence of its staff – with a strong commitment to innovation. This combination is a decisive factor, particularly in the current context of the ongoing evolution of mobility services.

<https://www.infraestruturasdeportugal.pt>



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Location

Infraestruturas de Portugal, Praça da Portagem, Almada, Portugal, Auditorium 1
38.676276, -9.177422

How to register

To register for the workshop: <http://bit.ly/3lbQjh4>

Format and Language

The workshop will consist of two sessions related to road asset management.

The language of the workshop will be English.

Contact information

Portuguese Road and Rail Center (CRP): seminarios@crp.pt



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