

Towards a more resilient transport infrastructure:

The FORESEE EU Project – Final conference

22th February 2022

9:30 - 13:30 CET

AGENDA



Online event

Registration to the final conference and proceedings in this link:
<https://foreseeproject.eu/final-conference>



9:30 - 11:00

Policy and Regulatory framework:

transport resilience to extreme nature and human-made events

Lukasz Wyrowski - Group of Experts on Assessment of Climate Change Impacts and Adaptation for Inland Transport, **United Nations Economic Commission for Europe**

Johannes Klumpers - EU Mission on Adaptation to Climate Change, DG CLIMA, **European Commission**

Rafal Stanecki - Innovation and Research Unit, DG MOVE, **European Commission**

Miguel Caso - Technical Director, **World Road Association**

Thomas Chatelet - ERTMS and Telematics Unit, **European Union Agency for Railways**

Presentations, Panel Discussion and Q&As

11:00 - 11:05

Coffee Break



11:05 - 11:15

11:15 - 11:45

11:45 - 12:05

12:05 - 12:35

12:35 - 13:00

13:00 - 13:30

Promoting Research and Innovation:

contribution of the FORESEE EU Project to the state-of-the-art

Introduction: objectives, scope and impact - Iñaki Beltrán, **Tecnalia**

Methodological advances in assessment related to resilience in transport management:

- Indicators and targets to improve the answer against extreme events: setting, cost-benefit analysis, management and monitoring - Bryan Adey, **ETH Zurich**
- New CEN Workshop Agreement “Guidelines for the assessment of resilience of transport infrastructure to potentially disruptive events” - Aitor Aragón, **UNE**
- Improvements in risk assessment tools - Erlinda Biescas, **Telespazio** and David García, **Tecnalia**

Satellite monitoring | Cybersecurity | Flooding and risk mapping | Structural health monitoring: satellite and ground data based | Shake maps | Data fusion / Common and Control Center

Advances in resilience enhancing readiness and management for extreme events

- Slope stabilization protection systems and improved permeable asphalt pavements - Laura Castañón and Pedro Lastra, **Univ Cantabria**
- Traffic management during extreme events and decision support system (**RINA**)

Advances in decision support to be deployed in a multimodal transport system (roads and railways)

- Integration of resilience in transport infrastructure life-cycle - Concepción Toribio, **CEMOSA**
- New algorithms to reduce risks prior to disruptive events and plan optimal restoration interventions afterwards - Saviz Moghtadernejad, **ETH**
- Governance to improve public procurement processes – David García, **Tecnalia**

Validation of the FORESEE methodology in road and railways

Federico Di Gennaro, **AISCAT**

- Case study #1: A24 highway (Italy)
- Case study #2: A16 highway (Italy)
- Case study #3: Montabliz viaduct (Spain)
- Case study #4: Railway track 6185 in (Germany)
- Case study #5: Tunnels at M-30 ring-road Madrid (Spain)
- Case study #6: 25th April Suspended bridge in Lisbon (Portugal)

Roundtable with railways and road operators

- Multimodal: **Infraestruturas de Portugal**
- Roads: **FERROVIAL, Autostrade per l'Italia**
- Railways: **Deutsche Bahn, ADIF (tbc)**

Conclusion: final remarks and closing words

Sergio Escriba , **CINEA** Executive Agency



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 769373"