



University of Minho
School of Engineering



Universidade de Vigo



UNIVERSITÉ DE NANTES



About SIRMA

Most of the transportation of people and goods in Atlantic Area is made through rail and road. The performance of this infrastructure is directly affected by extreme natural events and by the strong corrosion processes that result from proximity to the Atlantic Ocean.

SIRMA project aims to develop a robust framework for the management and mitigation of such risks, by implementing immediate, medium and long-term measures, thus increasing the resilience of transportation infrastructure.

This project will address the transportation infrastructures by developing a systematic methodology for risk-based prevention and management; developing a real-time process to monitor the condition of transportation infrastructure; and enhancing the interoperability of information systems in the Atlantic Area, by taking into account the data normalization and specificity of each country.

Note: This event is carried out in the framework of the Strengthening the Territory's Resilience to Risks of Natural, Climate and Human Origin (SIRMA) project, which is co-financed by the European Regional Development Fund (ERDF) through INTERREG Atlantic Area Programme with application code: EAPA_826/2018.

The sole responsibility for the content of this publication lies with the authors. It does not necessarily reflect the opinion of the European Union. Neither the INTERREG Europe programme authorities are responsible for any use that may be made of the information contained therein.



SIRMA

STRENGTHENING INFRASTRUCTURE RISK
MANAGEMENT IN THE ATLANTIC AREA

Third SIRMA Workshop

Wednesday, 22nd September

Find us



www.sirma-project.eu



sirma@sirma-project.eu



[@SIRMAPROJECT](https://twitter.com/SIRMAPROJECT)



www.linkedin.com/groups/8841869



UNIVERSITÉ DE NANTES



La Rochelle
Université

Agenda

09:00 – 09:10h Opening and Welcome

José Campos e Matos, SIRMA Project Coordinator

09:10 – 10:20h **Climate Change & Natural Hazards in Atlantic Area**

Investigating the vulnerability of Irish critical infrastructure to climate change, by **Paraic Ryan**, University College Cork, Ireland.

Consequence analysis of transport networks, by **Boulent Imam**, University of Surrey, UK.

Impact of climate change on future hurricane wind and storm surge hazards across US Atlantic and Gulf Coast regions, by **Abdullahi Salman**, The University of Alabama in Huntsville, USA

Questions & Answers

10:20 – 11:10h **Instrumenting Transportation Infrastructures for Extreme Natural Hazards**

Rail Infrastructure Monitoring with Instrumented Trains: A SIRMA WP5 Perspective, by **Vikram Pakrashi**, University College Dublin, Ireland.

PANOPTIS: an integrated system for Road Infrastructure management, by **Philippe Chrobocinski**, Airbus DS, France.

Questions & Answers

11:10 – 11:20h *Coffee Break*

11:20 – 12:10h **Risk & Resilience-Based Decision-Making procedure for Transportation Infrastructure**

Transportation Infrastructure Holistic Risk Management Framework, by **Andrea Tarazona**, University of Minho, Portugal.

Resilience assessment and adaptation of coastal bridges in a life-cycle context, by **You Dong**, The Hong Kong Polytechnic University, Hong Kong.

Questions & Answers

12:10 – 12:50h **Panel discussion with SIRMA Advisory Board**

Moderator: **Emilio Bastidas-Arteaga**

Panellists:

Brian Bell, Network Rail (retired), UK.

Rui Manteigas, APCAP, Portugal.

12:50 – 13:00h **Closing remarks**

LINK FOR REGISTRATION:

<https://bit.ly/3zKlkPz>

Where?



UNIVERSITÉ DE NANTES



La Rochelle
Université