

# 1<sup>st</sup> Open Workshop

**October 6, 2020**  
**14:00h CEST (8:00h GMT-4)**

**Welcome and Introduction**, by Belén Riveiro, Project Coordinator, University of Vigo

## RESEARCH PROGRESS – 14:10-15:45h

- 14:10h *Assessment of direct losses of terrestrial transportation lines due to floods*, by Norwegian Geotechnical Institute
- 14:25h *Point cloud to IFC: generation of IFC Alignment entities for road and railway infrastructures using 3D point cloud data*, by University of Vigo
- 14:40h *Stochastic deterioration prediction and maintenance prioritization for networks of bridges*, by University of Cambridge
- 14:55h *Reliability-based Bayesian updating methodology for transport infrastructures*, by University of Minho
- 15:10h *Characterization of iron-based shape memory alloys (SAMs) for resilience structures*, by University of Vigo
- 15:25 *Questions and answers*

## IT TOOLS & SERVICES – 16:00-17:15h

- 16:00h *Integration of an interoperational data model for critical infrastructures in the management application MSManager*, by Insitu Engineering:
- 16:15h *Crowd sourced data and evacuation service*, by Ben Rutten and Innovactory
- 16:30h *DS tool for planning optimal maintenance of infrastructure in multi/modal transportation networks exposed to extreme events*, by IMC
- 16:45h *RE on-site, a GIS based toolkit for efficient asset management*, by DEMO
- 17:00h *Rheticus® Safeway -Inspection priority insights for roads and railways operator*, by Planetek Italia

## PANEL DISCUSSION – 17:15-18:00h

**Envisioned direct impacts of SAFEWAY IT developments towards resilient infrastructure networks.** Moderator: Pedro Arias (University of Vigo)

Panelists: Infraestruturas de Portugal, Ferrovial, Network Rail