

SAFEWAY FINAL WORKSHOP

Workshop on the demonstration of solutions for long-term resilience of infrastructure assets

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2-3 February 2022



Online



 **SAFEWAY**

This workshop will...

- Present the developments and lessons learnt in SAFEWAY from an end-user's perspective
- Show live demonstrations of the platforms developed during the project
- Involve members of the project's Advisory Board, invited private companies, and experts from various fields
- Prepare parallel live exhibits for other related projects

General topics about...

- Infrastructure monitoring & remote sensing
- Crowdsourced data & evacuation management
- Risk assessment
- Standardization
- SAFEWAY infrastructure management system
- ...and more

Share your ideas
with us!

Discussions on
Horizon Europe
topics!

SAFEWAY Project
www.safeway-project.eu



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Framework Programme of the
European Union



Time is CET
(1 hour less in Portugal)

Program

Time	Session Day 1 (February, 2)
9:00	Opening streaming platform: click here to access the platform
9:15	Welcome and introduction
9:30	Innovative solutions for infrastructure monitoring using remote sensing
10:30	<i>Coffee break & Poster Session</i>
11:00	Crowd sourced data and evacuation management
12:00	Risk assessment and predictive models within SAFEWAY project
13:00	<i>Lunch break & Live Demos</i>
14:00	Special Session on Standardization of SAFEWAY solutions
15:00	Special Session - Climate Change, Risk Assessment and Asset Management
16:15	<i>Coffee break</i>
16:30	SAFEWAY solutions for long-term resilience of infrastructure assets (WP8)
17:30	End Day 1

Time	Session Day 2 (February, 3)
8:45	Introduction day 2
9:00	Resilience-based decision support systems
10:00	Special Session - Excellence science contributing to more resilient critical assets
11:00	<i>Coffee break & Poster Session</i>
11:15	SAFEWAY Infrastructure Management System
12:15	<i>Lunch break</i>
13:00	Opportunities for Research and Innovation about Resilience in Horizon Europe
14:00	Demonstration of SAFEWAY solutions in operational environments
15:30	<i>Coffee break</i>
15:45	Panel Discussion: consideration of Resilience in Asset Management
17:30	<i>Closing</i>



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DAY 1 – February 2, 2022

Session: Innovative solutions for infrastructure monitoring using remote sensing

Date: 2nd February, 9:30h

Moderator: Mario Soilán

Title: *Automated inspection of transport infrastructures using mobile mapping systems*

Speaker: Javier Grandío, University of Vigo

Title: *Automated creation of infrastructure information models from Laser Scanning data*

Speaker: Andrés Justo, University of Vigo

Title: *Rheticus® Safeway to support the infrastructures inspection management plan*

Speaker: Vincenzo Massimi, Planetek Italia

Session: Crowd sourced data and evacuation management

Date: 2nd February, 11:00

Moderator: Ben Rutten

Title: *Social-sensing derived information to support the identification of infrastructures to assess*

Speaker: Angelo Amodio, Planetek Italia

Title: *Vehicle crowd sourced data management*

Speaker: Ben Rutten, DEMO Consultants

Title: *Psychological and behavioural aspects of evacuation management* Speaker: Ross Phillips, TOI

Session: Risk assessment and predictive models within SAFEWAY project

Date: 2nd February, 12:00h

Moderator: Unni Eidsvig / Hélder Sousa

Title: *Risk factors and risk analysis of terrestrial transportation systems*

Speaker: Unni Eidsvig, NGI

Title: *From extreme events to performance prediction of roadway assets*

Speaker: Hélder Sousa, University of Minho

Title: *Integrating Stochastic Predictive Modelling into Asset Maintenance Prioritisation*

Speaker: Georgios Hadjimetriou, University of Cambridge

Session: Special Session on Standardization of SAFEWAY solutions

Date: 2nd February, 14:00h

Moderator: Ana Sánchez

Invited Speakers:

- Michel Bohms, Senior Linked Data Scientist at TNO.
- Agnieszka Bigaj van Vliet, Senior Scientist Concrete Structures at TNO.
- Peter Bonsma, Technical Director at RDF Ltd.



Session: Special Session on Climate Change, Risk Assessment and Asset Management

Date: 2nd February, 15:00h

Moderators: Georgios Hadjidemetriou / Unni Eidsvig

Speakers:

- Anders Solheim, Senior Geologist at Norwegian Geotechnical Institute
- David McKeown, Honorary Vice President of the Institute of Asset Management
- Manu Sasidharan, Centre for Smart Infrastructure and Construction
- Adolfo Crespo Márquez, Professor in Industrial Management at University of Seville

Session: SAFEWAY solutions for long-term resilience of infrastructure assets

Date: 2nd February, 16:30h

Moderator: Sara Cuerva / Margarida Rosado

Title: *Brief context on the SAFEWAY solutions for long-term resilience*

Speaker: Sara Cuerva, Ferrovial Construcción.

Title: *Resilience-based Emergency Management Plans*

Speaker: Eduardo Nabais, Infraestruturas de Portugal

Title: *New materials (SMS and Fiber optic sensors) for more resilient structures*

Speaker: Carmen María Mariño, University of Vigo

Time is CET
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DAY 2 – February 3, 2022

Session: SAFEWAY Resilience-based decision support system

Date: 3rd February, 9:00h

Moderator: Rade Hajdin

Title: *Theoretical background of the Resilience-based Decision Support System*

Speaker: Rade Hajdin, Infrastructure Management Consultants.

Title: *Resilience-based Decision Support System*

Speaker: Nikola Tanasic, Infrastructure Management Consultants.

Session: Special Session on Excellence science contributing to more resilient critical assets.

Date: 3rd February, 10:00h

Moderator: Belén Riveiro

Speakers:

- Prof. Paulo Lourenço, ERC AdG at University of Minho
- Prof. Jose M. Adam, ERC CoG at Universitat Politècnica de València
- Prof. Eleni Chatzi, ERC StG at ETH Zurich



Session: SAFEWAY Infrastructure Management System

Date: 3rd February, 11:15h

Chair/Co-chair: Sama Rezvani / María Varela

Title: *SAFEWAY Information Management System*

Speaker: Maurijn Neumann, DEMO Consultants

Title: *Integration of a interoperational data model for critical infrastructures in the management application MSManager*

Speaker: María Varela, Insitu Engineering

Session: Opportunities for Research and Innovation about Resilience in Horizon Europe

Date: 3rd February, 13:00h

Moderator: Pedro Arias

Speakers:

- Mr. Rafal Stanecki, DG MOVE representative
- Mr. Sergio Escriba, INEA Project Officer

Session: Demonstration of SAFEWAY solutions in operational environments

Date: 3rd February, 14:00h

Moderator: Armando Cerqueira

Title: *Challenges at PoR & SAFEWAY solutions*

Speaker: Tim de Zwart, Port of Rotterdam

Title: *Evacuation management showcase*

Speaker: Samaneh Rezvani (DEMO Consultants) & Stefan Bollars (Innovactory)

Title: *Remote sensing-based monitoring of large infrastructures*

Speaker: Pablo del Río & Daniel Lamas, University of Vigo

Title: *Long Term Resilience interventions*

Speaker: Sara Cuerva, Ferrovial Construcción

Title: *Safeway applied to IP infrastructures*

Speaker: Francisco Ganhão, Infraestruturas de Portugal

Panel Discussion: Consideration of Resilience in Asset Management

Date: 3rd February, 15:45h

Moderator: Rade Hajdin

Speakers:

- Jürgen Krieger, Head of Division Bridges and structural Technology at BAST
- José Conrado Martínez Acevedo, Deputy Director of Strategic Innovation at ADIF
- Christian Honeger, Head Of Department Asset Management at ASFINAG
- David Hein, Member of PIARC Technical Committee 3.3 Asset Management