



Joint Virtual Workshop

Increasing the Resilience of European Transport Infrastructure

Extreme weather conditions, climate change, damages to the infrastructure (caused by natural and man-made hazards) and traffic impediments negatively impact the reliability of mobility solutions. Risk analysis, adaptation measures and strategies need to be developed to minimize the impact of natural and man-made hazards on seamless transport operation, protect the users of the transport networks in case of extreme conditions, as well as provide optimal information to the operators and users of the transport infrastructure.

RESIST, FORESEE, SAFEWAY and PANOPTIS, are four EU collaborative research projects, funded under the same call of HORIZON 2020, with the aim to ease the continuity of mobility for both people and freight even in a case of serious disruptions due to natural or man-made circumstances. Major progress is done regarding individual mode components' resilience to damage due to extreme weather conditions, including reduction of maintenance and retrofitting needs. These projects contribute to achieve reliable modal interchanges allowing continuous fluid traffic flow even during or after disruption. A high level of resilience of the transport infrastructure is an essential contribution to sustainable development and of impact on and adaptation to climate change conditions.

RESIST project (GA No 769066) – to increase the resilience of seamless transport operation to extreme events, protecting the users of the European transport infrastructure and providing optimal information to the operators and users of the transport infrastructure.

FORESEE project (GA No 769373) – to develop a toolkit to improve road and rail asset management schemes for authorities and infrastructure operators.

SAFEWAY project (GA No 769255) – to design, validate and implement holistic methods, strategies, tools and technical interventions to significantly increase the resilience of inland transport infrastructure by reducing their vulnerability to failure in extreme events.

PANOPTIS project (GA No 769129) – to improve the resiliency (ability to adapt) of the road infrastructures and ensuring reliable network availability under unfavourable conditions, such as extreme weather, landslides, and earthquakes.

The main purpose of this Joint Workshop is for the four projects to join forces in order to find a common solution for a more resilient, more seamless and safer European transport infrastructure. During the Panel Discussion, the projects' representatives together with the invited external experts, will be able to share experience and knowledge and discuss on the current good practices as well as the new strategies for improving resilience of the European transport network.



PROGRAMME

DATE: 10th November 2020

TIME: 10 AM – 12 PM (Brussels time)

10h00 – 10h05	<i>Welcome/Introduction</i> Adewole Adesiyun, FEHRL
10:05 – 10:15	<i>Keynote Speech</i>
10h15 – 10h25	SAFEWAY: Resilience improvement by developing a holistic toolset to anticipate and mitigate the effects of extreme events in all modes of disaster cycle Belén Riveiro, University of Vigo
10h25 – 10h35	FORESEE: Toolkit to provide short and long term resilience schemes for rail and road corridors and logistics terminals to reduce the magnitude and/or duration of disruptive events Iñaki Beltran, Tecnalía
10h35 – 10h45	RESIST: A methodology and tools for risk analysis and management for critical highway structures that are applicable to all extreme events. Protection of users of the European transport infrastructure Kostas Bouklas, ICCS
10h45 – 10h55	PANOPTIS: Improvement of the resilience (ability to adapt) of the road infrastructures and support of efficient monitoring of the infrastructures by using the UAVs Phillippe Chrobocinski, Airbus
10h55 – 11h00	Q /A
11h00 – 12h00 Panel Discussion: How to minimise the impact of both natural and man-made extreme events on seamless transport operation?	
<p>Starting point: Discussion started between the four H2020 projects (RESIST, FORESEE, SAFEWAY and PANOPTIS) in order to join forces and find a common solution for a more resilient, more seamless and safer European transport infrastructure.</p> <p>Aim: To discuss on the current good practices and the new strategies for improving resilience of the European transport network.</p>	
12h00	End of the Workshop