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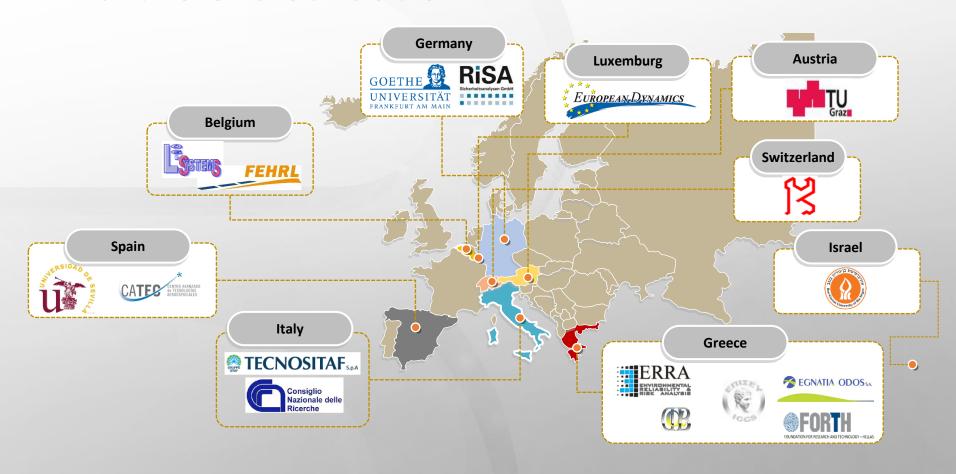


Project Overview

- Call Identifier: H2020 MG-7-1-2017 "Resilience to extreme (natural and man-made) events"
- Type of action: Research and Innovation
- Duration: 01/09/2018 30/06/2022 (46 months)
- EC Funding requested: 4.9 M €
- Coordinator: Institute of Communication and Computer Systems (ICCS)
- Consortium: 17 partners from 9 countries
- 2 Infrastructure users TECNOSITAF & EOAE

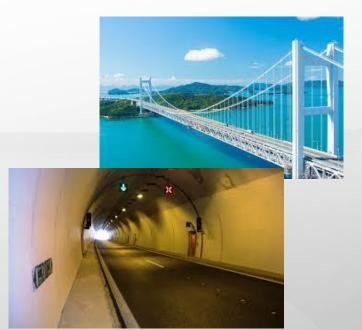


Partners' distribution





Project Concept



Great achievements in the field of transportation (e.g. bridges, tunnels)

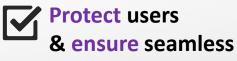
BUT are susceptible to extreme events that can jeopardize human lives:

- natural causes (e.g. earthquakes, flooding, high winds)
- physical causes(e.g. mechanical impact)
- man-made incidents (e.g. accidents)
- o cyber-attacks



Project Objectives

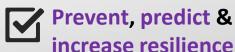
Major concerns when handling extreme events in infrastructures:



mobility

Avoid any human and financial cost





- Vulnerability and predictive analysis
- Risk assessment



React

Provide optimal information to:

- minimize the impacts
- restore the services

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Innovations

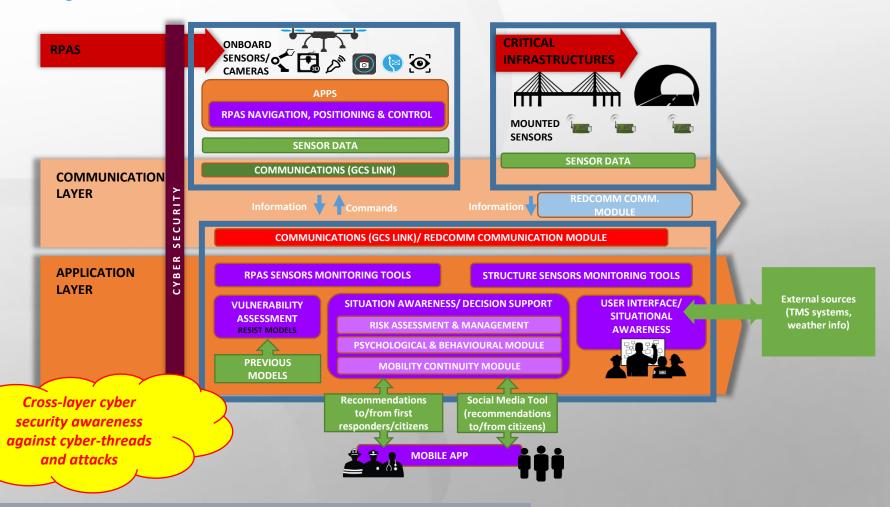


12/10/2021

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Project Architecture





Validation

Validated in real conditions and infrastructures:

Pilot 1 (Greece)

 Bridge T9 in the Peristeri area





Pilot 2 (Italy)

- A32 Millaures Viaduct
- St. Petronilla Tunnel



THANK YOU!

Any Questions?

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