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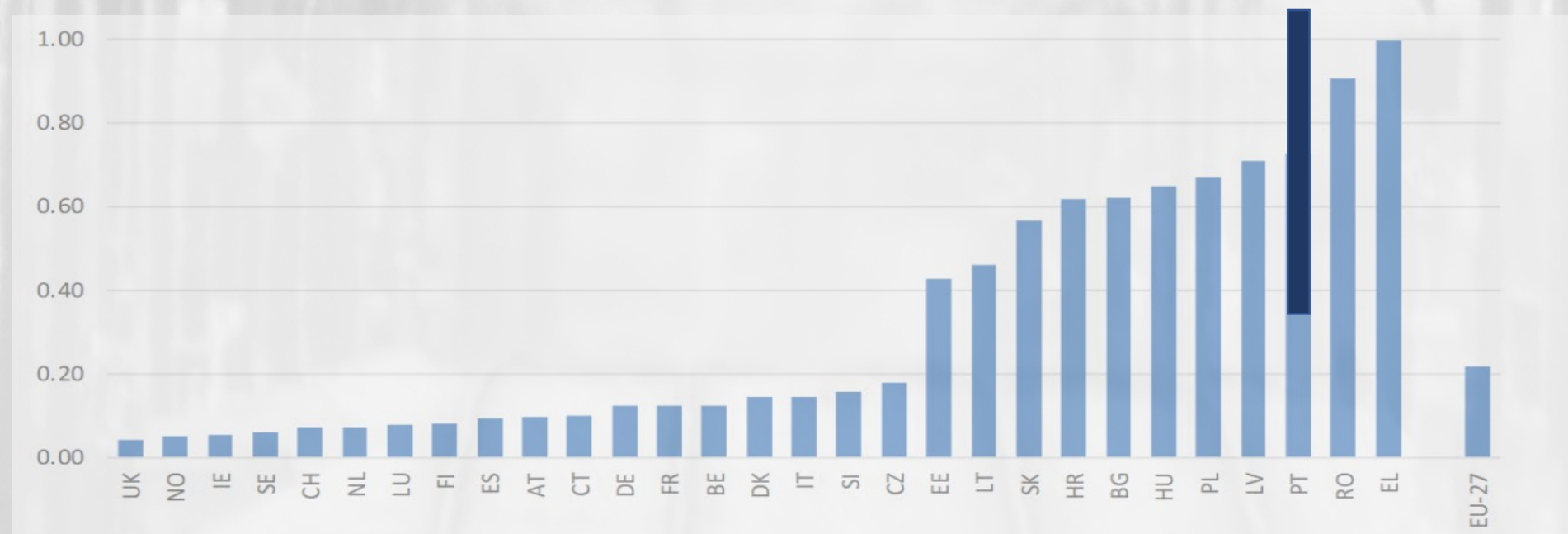


# ADDRESSING TRESPASSES AND RAIL SUICIDES IN PORTUGAL: AN INTEGRATED APPROACH

**Trespasses, level crossing accidents and suicides** have been the most significant causes of fatalities in railway accidents in Portugal between 2016 and 2021.

According to data from the Common Safety Indicators, **Portugal** is the **third-worst case** in the **European Union (EU)** in number of **fatalities** per million km, in 2018-2020, rating highly above the EU 27 member-states average value.

Fatalities with accidents and incidents involving pedestrians and rolling stock in motion per million km in the EU, 2018-2020 [1]



To address this problem, **IMT**, the Portuguese national rail safety authority, developed an **approach**, based on RESTRAIL's methodology [2], to address **pedestrian-train occurrences**, that consists of:

### 1) Identify and characterize the problem

Between 2016 and 2021, there were 389 incidents involving pedestrians and rolling stock in motion on the Portuguese railway network. This is a major concern for IMT, who carried out a study that aims to reduce such occurrences.

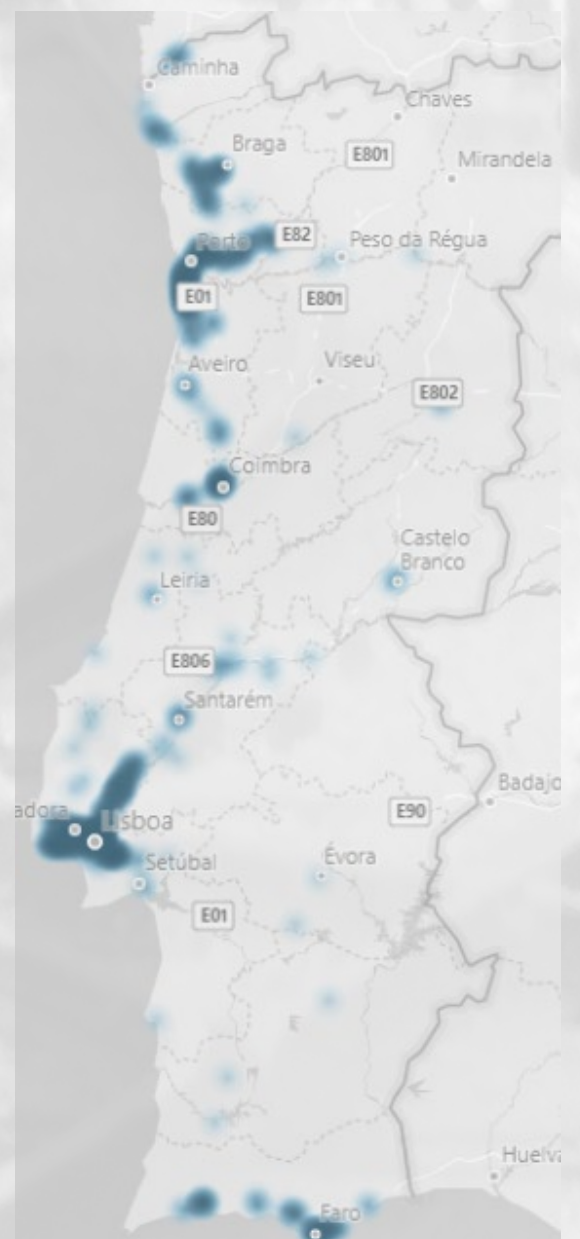
During the first stage, the current situation was analyzed, the prevalent type of occurrences established and the hotspots and critical zones within the network identified.

### 2) Explore mitigation measures with the rail sector -

In progress.

### 3) Assess and monitor mitigation measures effectiveness

- Will take place after mitigation measures are implemented.



#### REFERENCES

1. ERAIL, Common Safety Indicators (CSIs) as reported by National Safety Authorities (NSAs) to the Agency, European Union Agency for Railways.
2. RESTRAIL Consortium, *How to Prevent Suicide and Trespass on the Railways and Mitigate the Consequences? - Practical Guide*, 2014.



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