

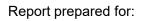
Quantifying the investments to upgrade the European motorway network and assessing their socioeconomic impact

> **ASECAP DAYS** Madrid - 27th of May 2025

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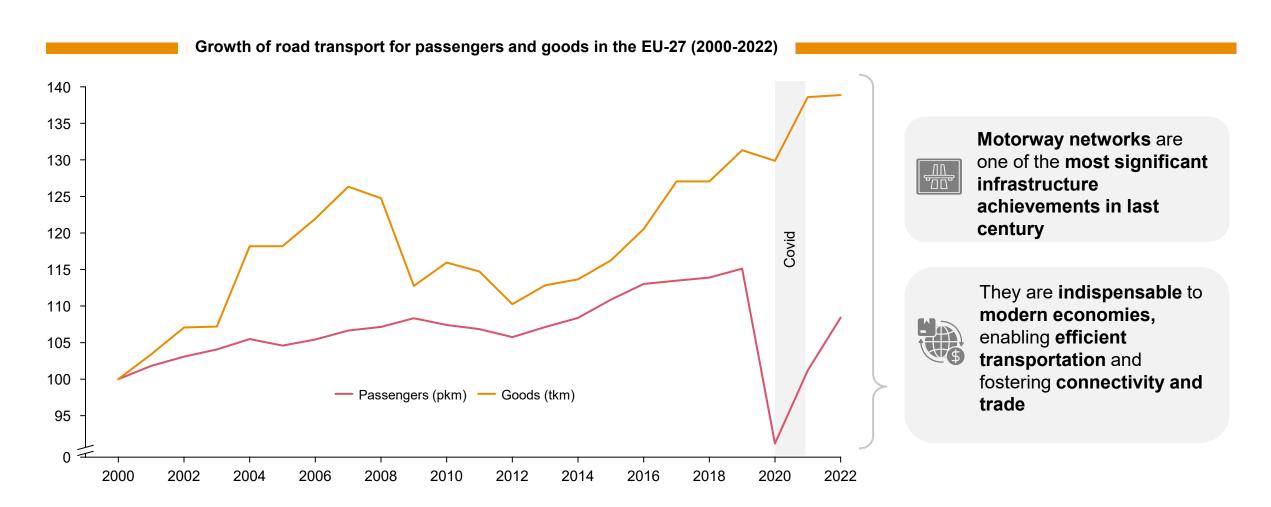








# Motorways play a vital role in modern economies, acting as the backbone of road transport, the most widely used form of inland transportation



# The motorway networks make a substantial contribution to the economic activity

### Main benefits of road transport

### User benefits



Reduction of **journey times** and mitigation of **traffic congestion** 

### **Agglomeration**



Closer connections and improvement of efficiency

### **Business Investment & FDI**



Boost productivity and attraction of firm investments

### Trade



Specialization and competition among firms

### Labour Market Effects



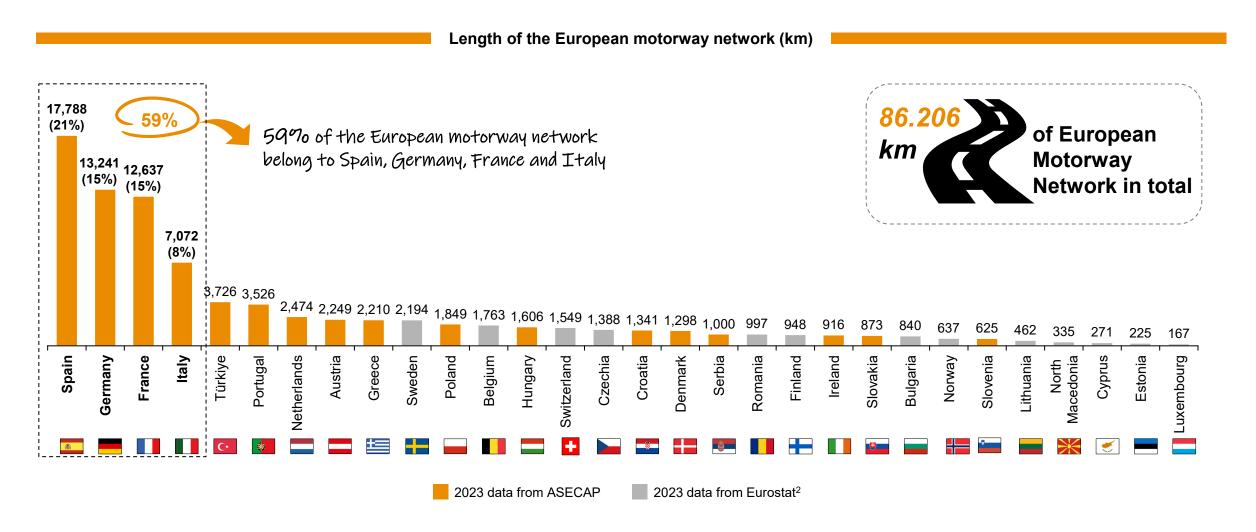
New employment opportunities

### Induced Housing Investment

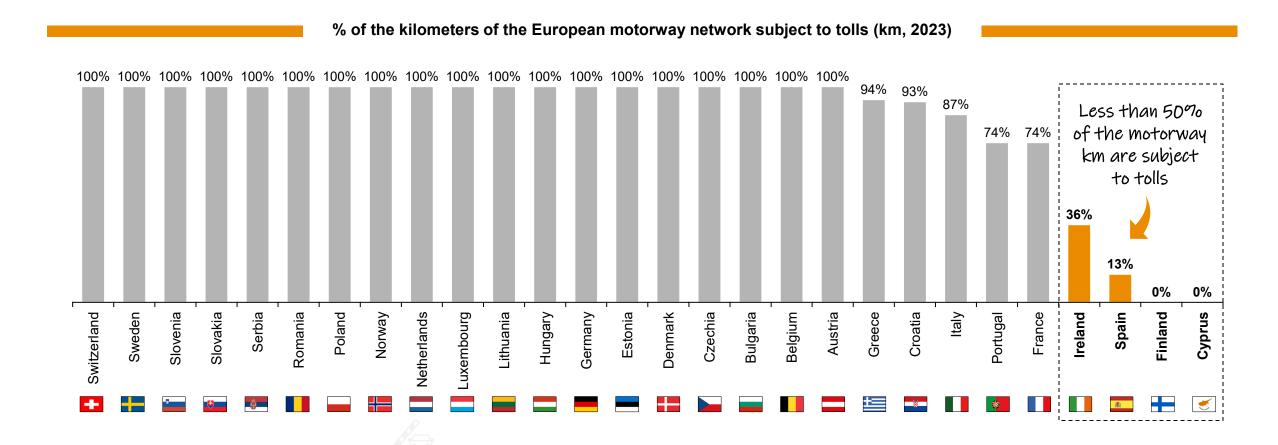


Reduction of travel expenses and new investment opportunities

Currently, the European motorway network spans over 86,000 kilometers, with Spain, Germany, France, and Italy accounting for 59% of its total length



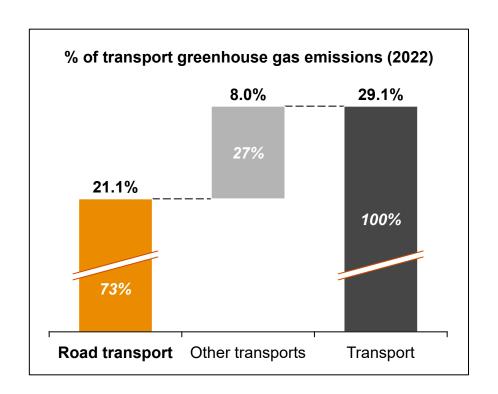
# Approximately 74% of European motorway network are subject to tolls, with most countries implementing them fully across their networks



 $\mathsf{PwC}$ 

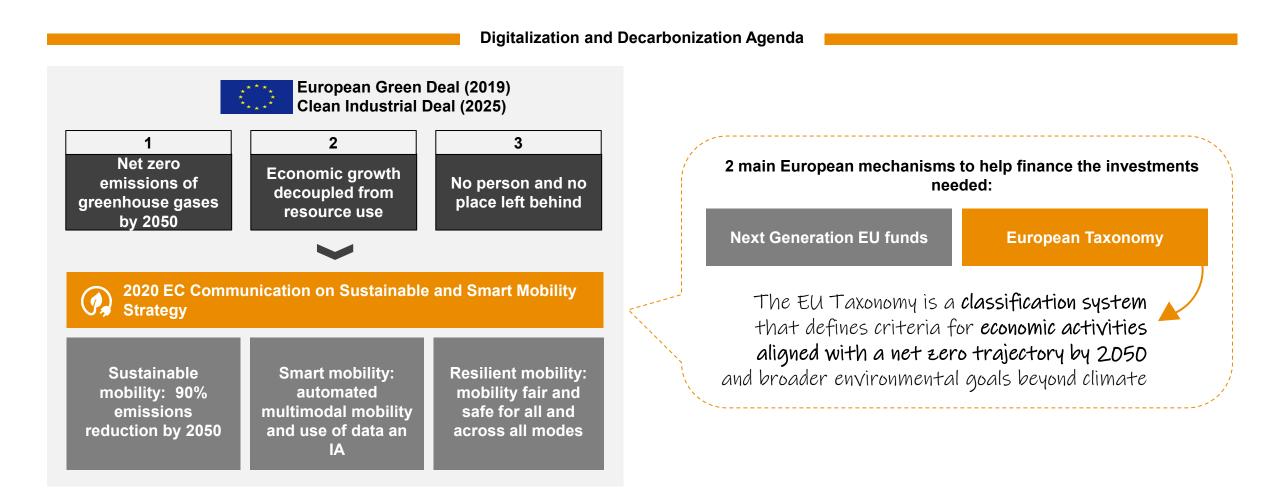
# The road transport sector faces significant challenges, as it is responsible for 73% of transport-related and 21% of total emissions in Europe

Transport greenhouse gas emissions



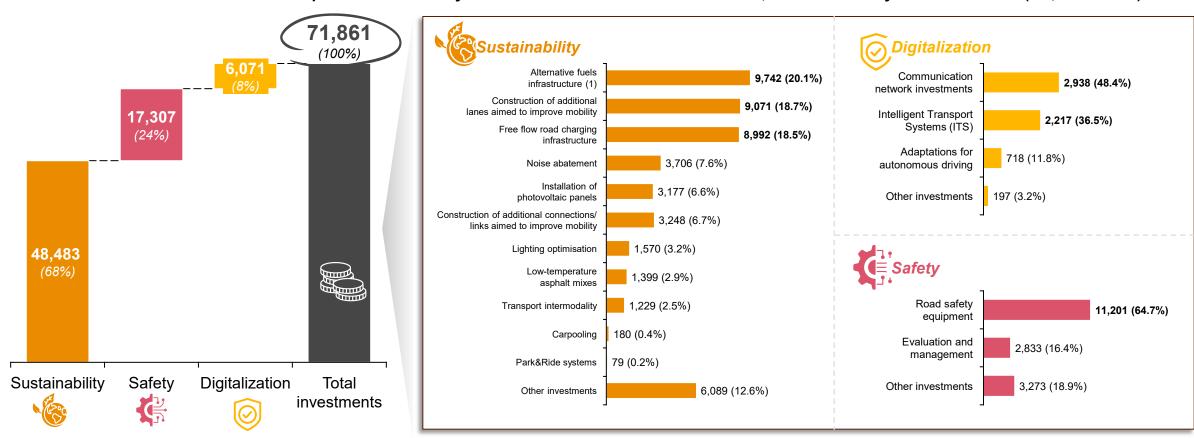
- The **urgency to decarbonize road transport** has never been greater.
- Addressing this challenge requires a unified and coordinated effort at both European and national levels to modernize road infrastructure and accelerate the transition to sustainable, resilient, and efficient transport systems.
- This transition is vital for achieving the EU's climate goals and meeting the objectives of the European Green Deal / Clean Industrial Deal

# To tackle this issue, European targets have been established to promote decarbonization supported by the European Taxonomy and NextGen funds



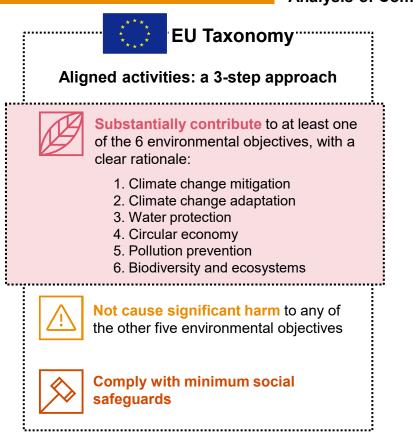
# The decarbonization of the mobility sector requires significant investments to upgrade the road transport infrastructure

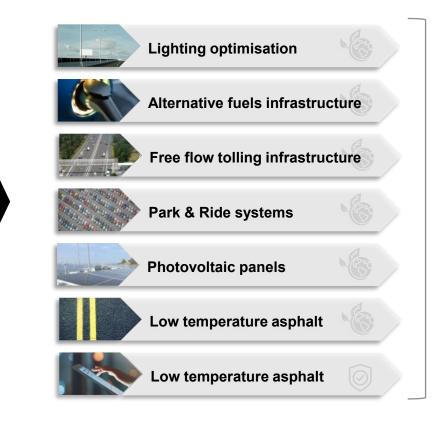
Identified investment needs to improve the motorway network in ASECAP member countries, broken down by investment area (M€, 2025-2035)



# Seven of the necessary investments meet the substantial criteria of the EU Taxonomy, accounting for €27,176 million (38%)

Analysis of Compliance of the Identified Investments with the EU Taxonomy

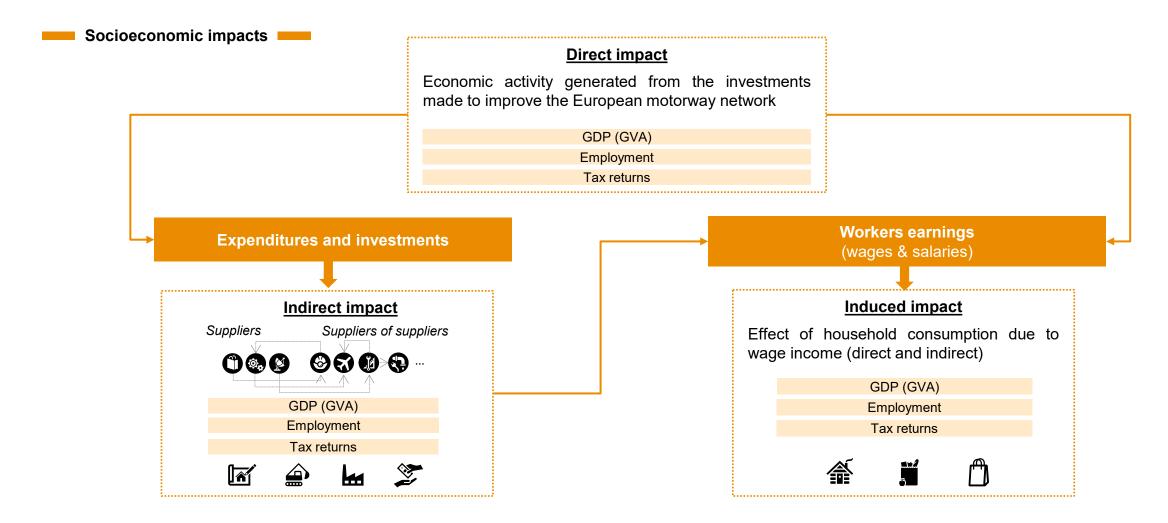




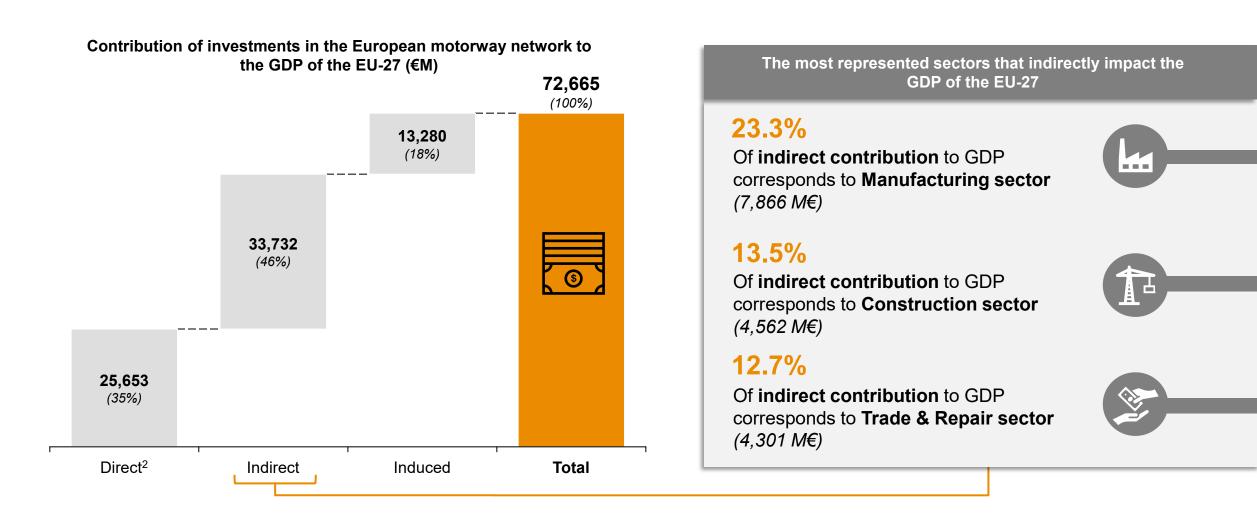
27,176 M€

38% of the total investment amount

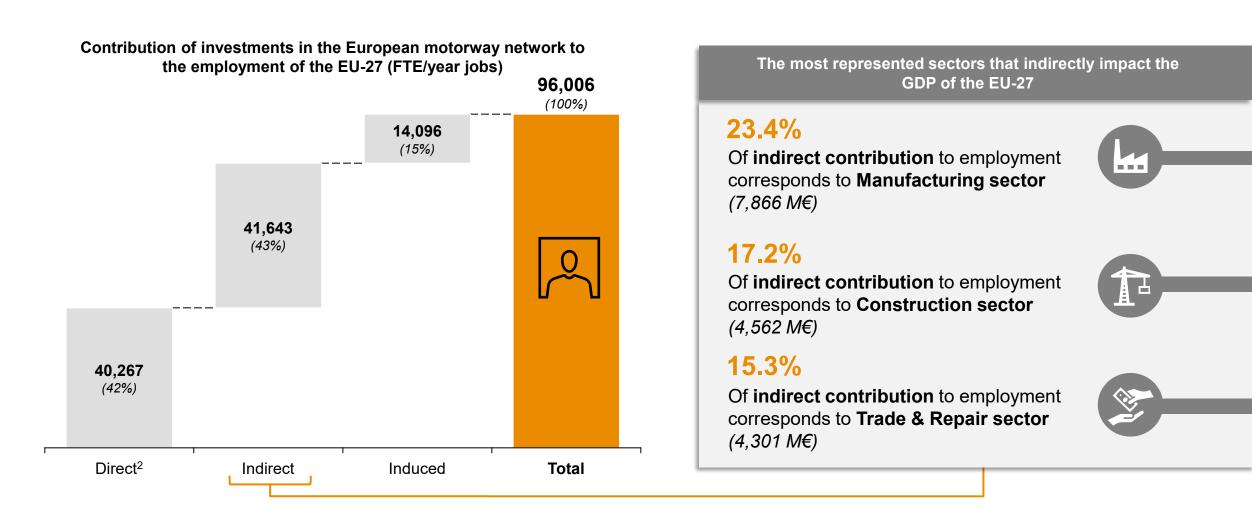
These investments will have a socioeconomic impact in the EU-27, computed using the Input-Output methodology and the FIGARO tables from Eurostat



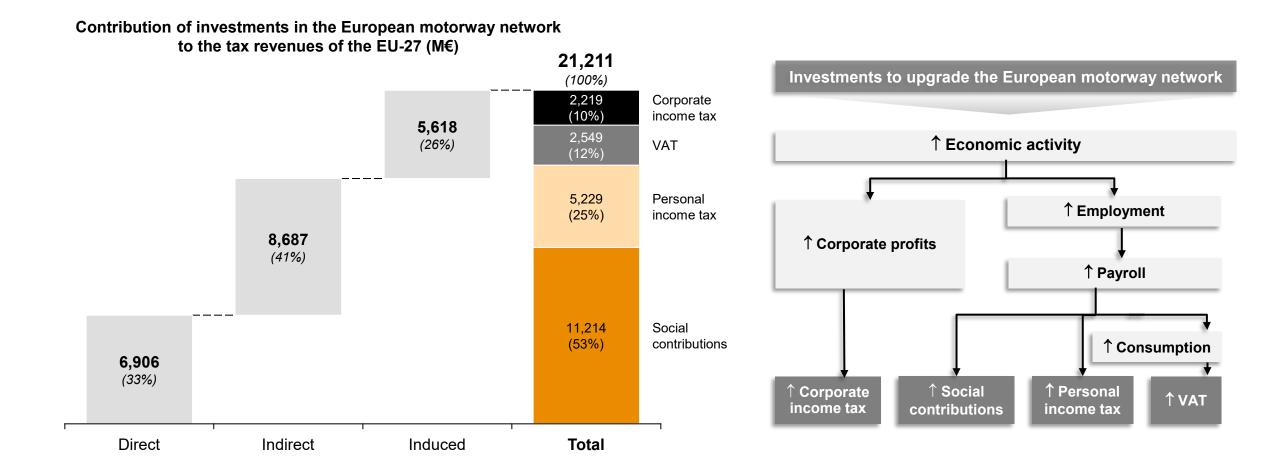
# These investments would yield significant socioeconomic benefits for the EU, potentially increasing GDP by up to 72,665 M€



### Furthermore, these investments will boost employment, primarily benefiting the manufacturing, construction, and trade & repair sectors



# The upgrade of the European motorway network will stimulate economic activity through firms and employers, leading to an increase in tax revenues



# Additionally, these investments will also contribute to reduce air pollution and congestion, while enhance safety

### Cost-Benefit Analysis

### **BENEFITS**

of the **investment** area to society

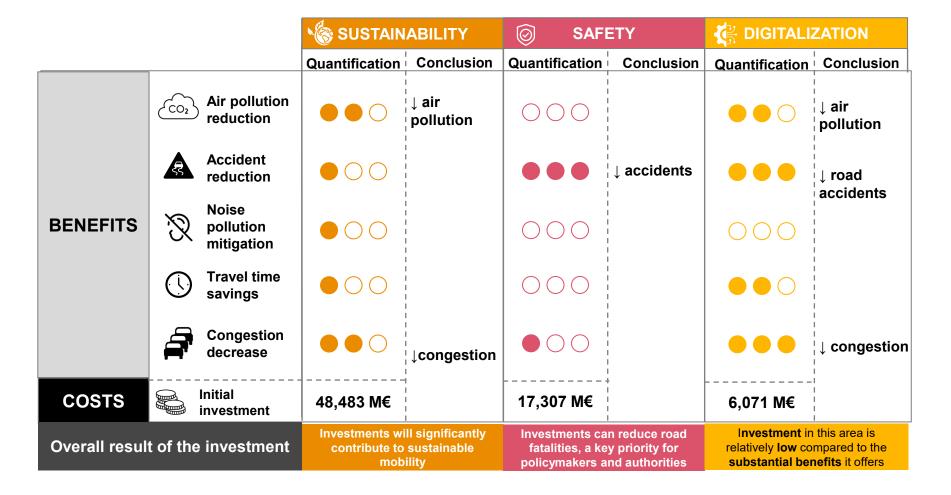
For **each investment** identified in the previous section, its **associated**benefits will be assessed using a ranking scale ranging from 0 to 3

### **COSTS**

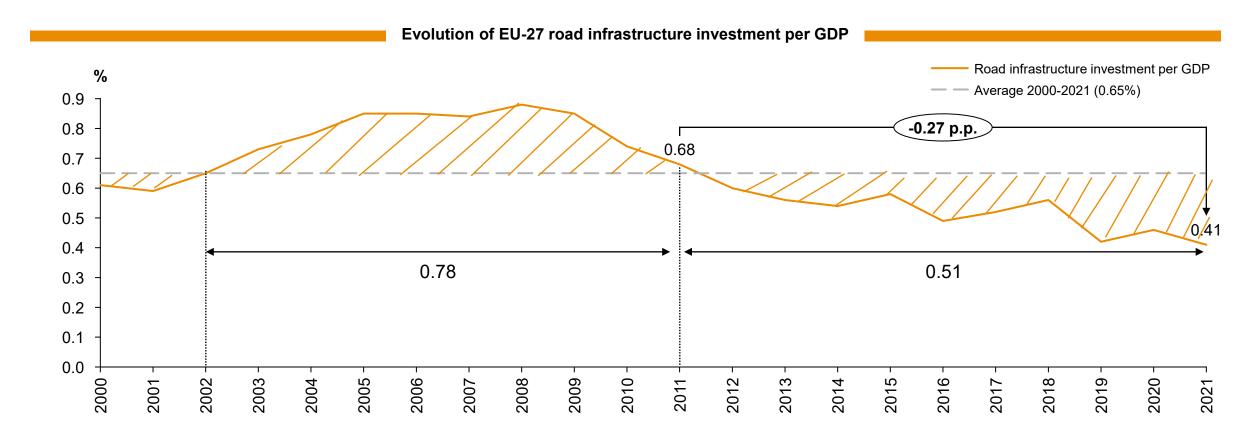
of the investment area to society

In order to improve the European motorway network, some investments are needed, and their cost is the one considered in this CBA

CBA Results
(approaching to the NPV)

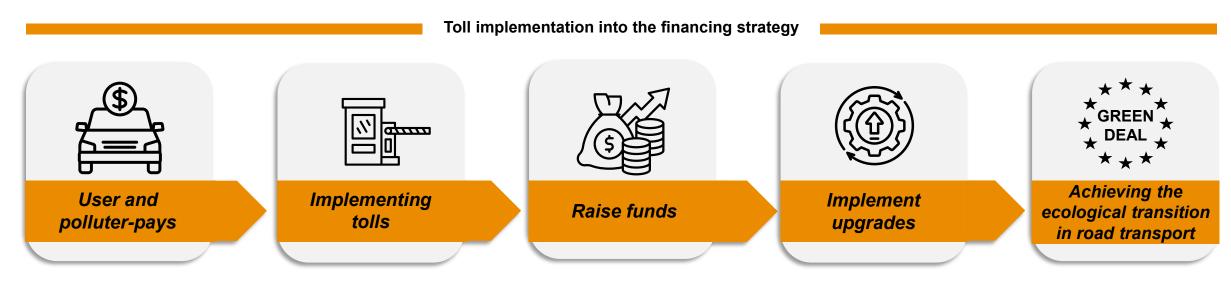


# The downward trend of Governments public investment in road infrastructure since 2011 puts at risk the modernization of the sector



Due to the **existing budgetary constraints and change in spending priorities**, the EU has decreased the public **investment in transport infrastructure**, which **hinders the modernization** of the transport system

Considering the public budget restrictions, alternative funding sources such as tolls are essential to upgrade the infrastructure and decarbonize the sector



#### **Outcome**



Public funds remain protected, allowing Member States to allocate budgets to other essential public services



Risk transfer. The concessionaire assumes key risks, compliance duties, and possible profit losses



Concessionaires **speed up road access and can manage demand** with variable **toll pricing** 



Tolls ensure road maintenance and safety while reducing dependance on public budgets



Concessionaires ensure road efficiency and quality, with life-cycle insight and economic adaptability



Tolls internalize emission costs, promoting sustainable transport choices and encouraging the shift to low-emission vehicles



## Thank you

This document is based on public data, data from the survey, and data provided by ASECAP and motorway concessionaire companies. The data that has not been audited by PwC. This document is distributed for informational purposes only. The analysis does not imply recommendations. The information is presumed reliable, but is not guaranteed to be complete or true. PricewaterhouseCoopers Asesores de Negocios, S.L., its partners, employees or collaborators do not accept or assume any obligation, responsibility or duty of diligence regarding the consequences of the action or omission on their part or that of third parties, based on the information contained herein. document or with respect to any decision based on it.

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