

# **EUROPEAN INVESTMENT BANK**

Infrastructure Financing and Improvement of Road Safety

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# Overview

- Who we are and what we do
- European experience
- EIB's approach to road safety
- EIB financing

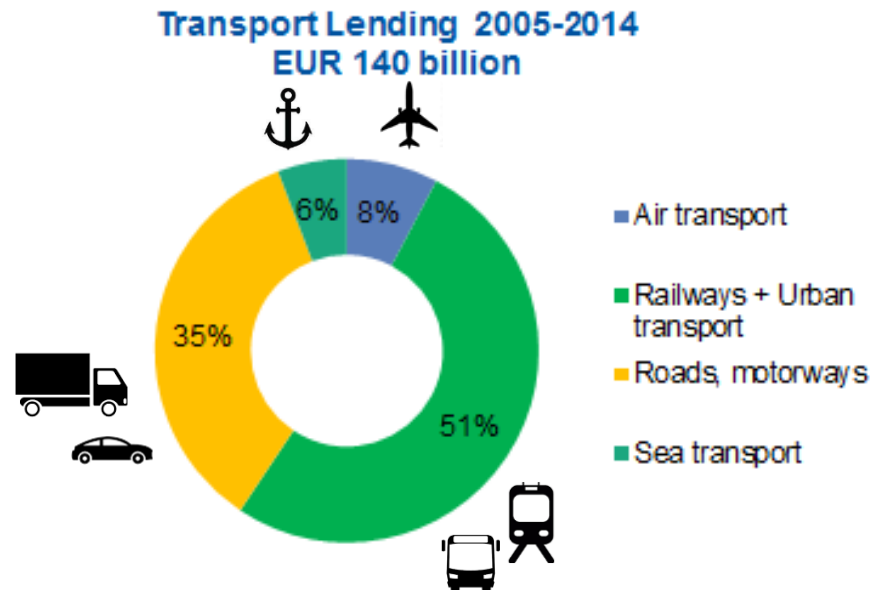
# Who we are and what we do

- The European Union's bank
- Founded in 1958 by the Treaty of Rome
- Working with other EU institutions to implement EU policies
- Triple-A rating
- Provide finance and expertise for eligible projects
- Annual lending volume: 76 billion EUR (2016)

# Who we are and what we do

76 billion EUR:

- 90% within the EU
- 10% non-EU
- 20% for transport

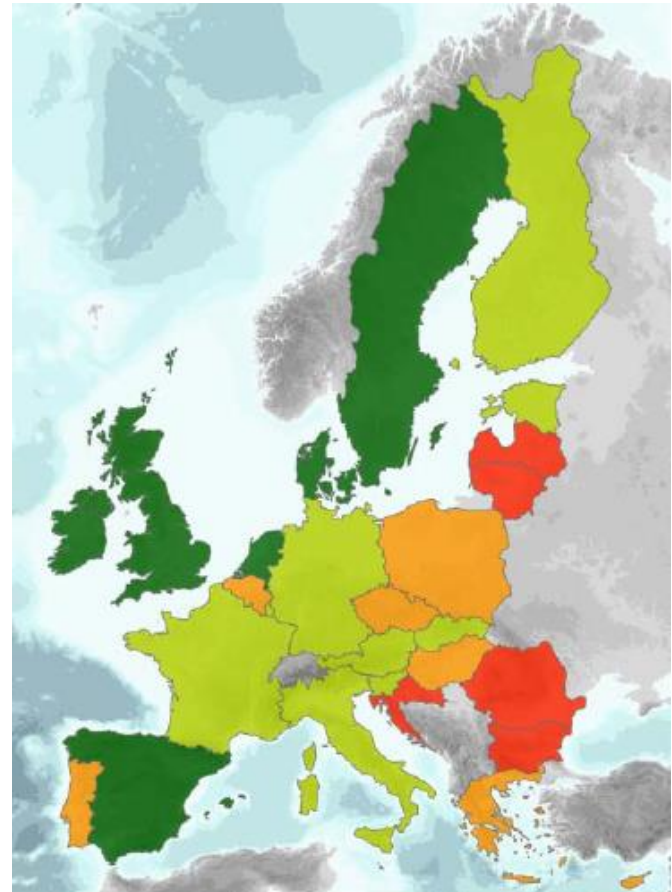


# Who we are and what we do

- Transferring financial advantage to projects complying with EU and national policies
- Projects must be bankable and comply with strict economic, technical, environmental, social and road safety requirements
- In-house technical expertise

# European experience

- Road accidents can be prevented and should not be accepted
- Average fatality rate per million inhabitants: 50 (2015)
- EU's national road authorities are at the forefront of road safety – nationally as well as internationally
- Spain has demonstrated major progress within a decade
- EU best practice needs to be implemented worldwide



Source: EC/DG MOVE/Road Safety

# European experience

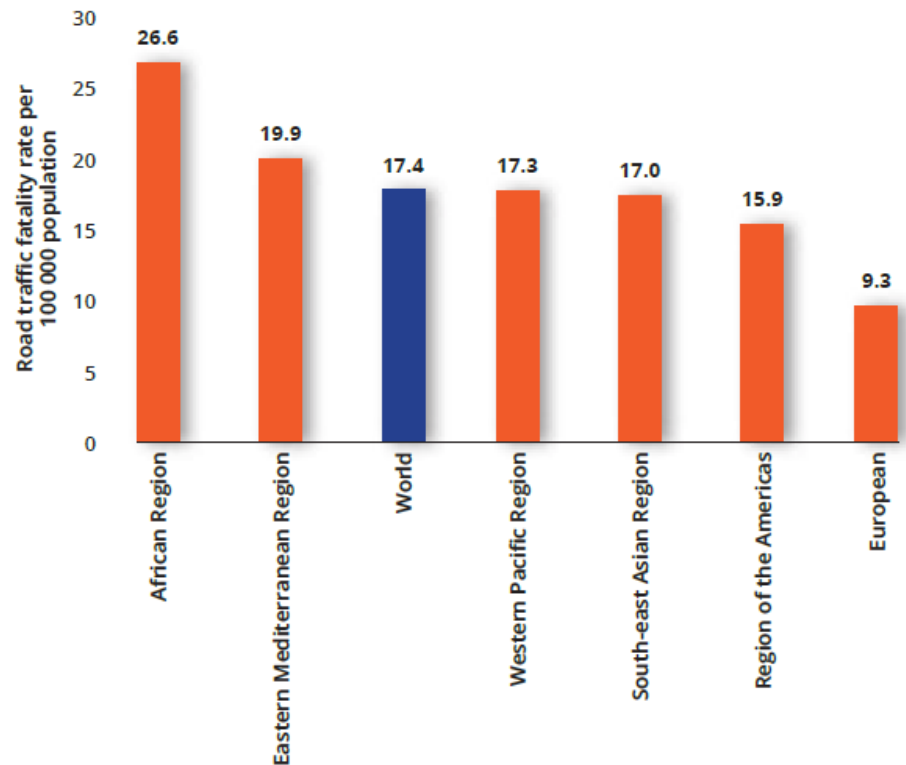
- Effective **separation** of road users (high speeds)
- Safe **integration** of road users (speed management)



# European experience

- The EIB is well positioned to finance and export best practice
- Joint statement with other multi-lateral development banks in support of UN sustainable development goals:
- Reduce fatalities and injuries by 50% from 2010-2020

Road traffic fatality rates per 100 000 population, by WHO region



Source: WHO, 2015



# EIB's approach to road safety

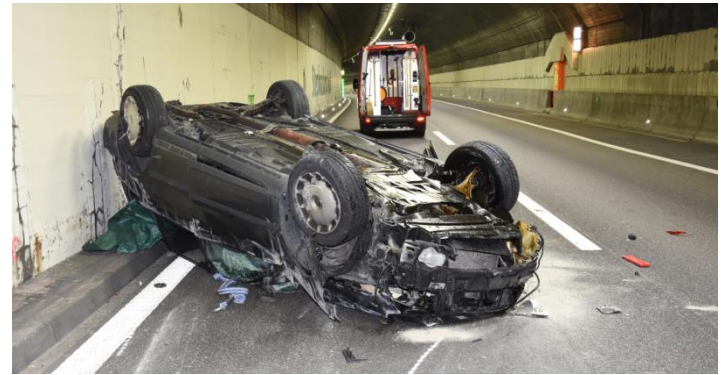
1. Implement the directives on road infrastructure and tunnel safety  
**2008/96/EC** and **2004/54/EC**
2. Mainstream road safety in EIB road infrastructure operations  
**EIB Road Safety Guidelines**
3. Scale up lending, blending and advising in support of road safety  
**EIB Road Safety Action Plan**

# EIB's approach to road safety

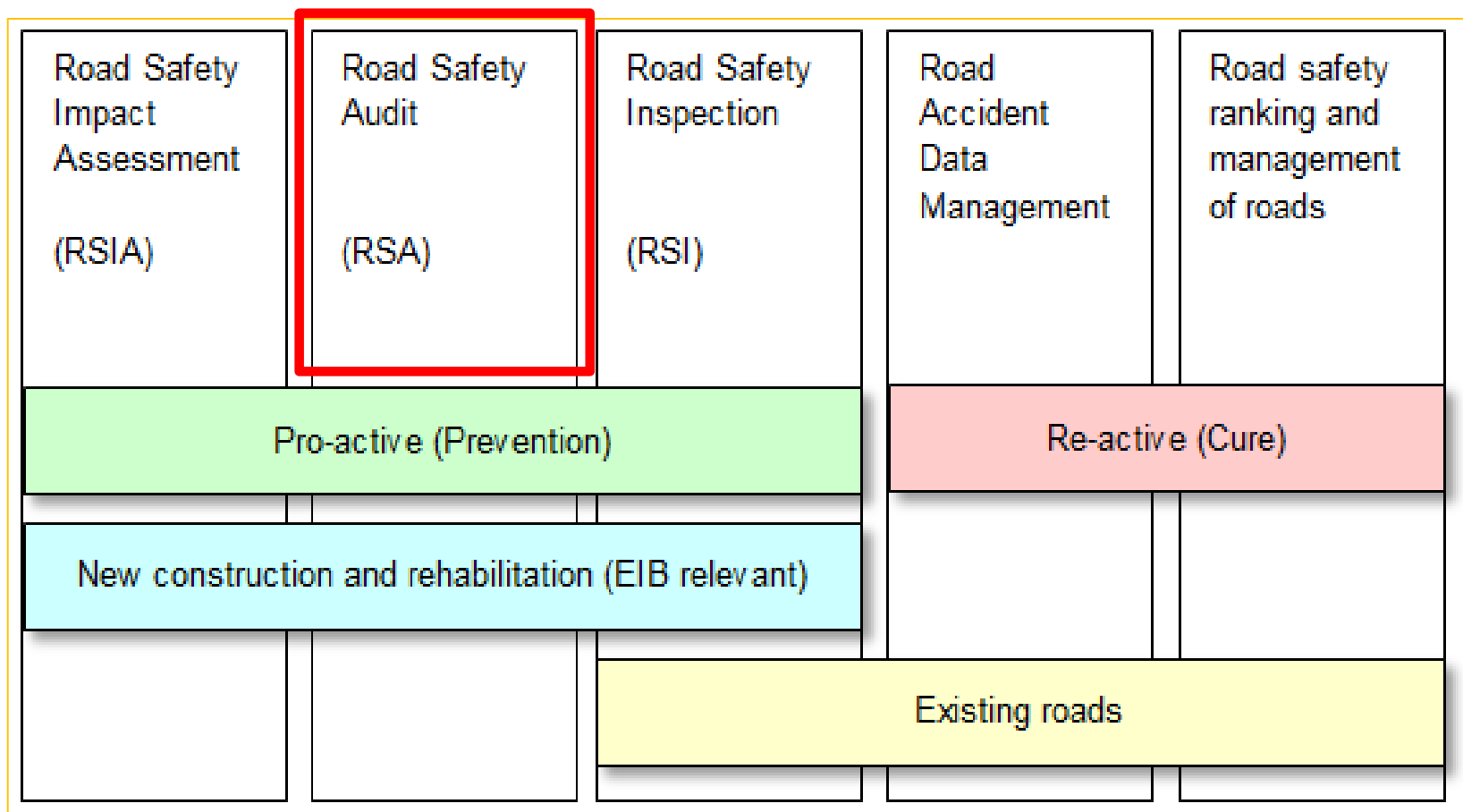
Directive **2008/96/EC** on road  
safety management



Directive **2004/54/EC** on tunnel  
safety



# EIB's approach to road safety

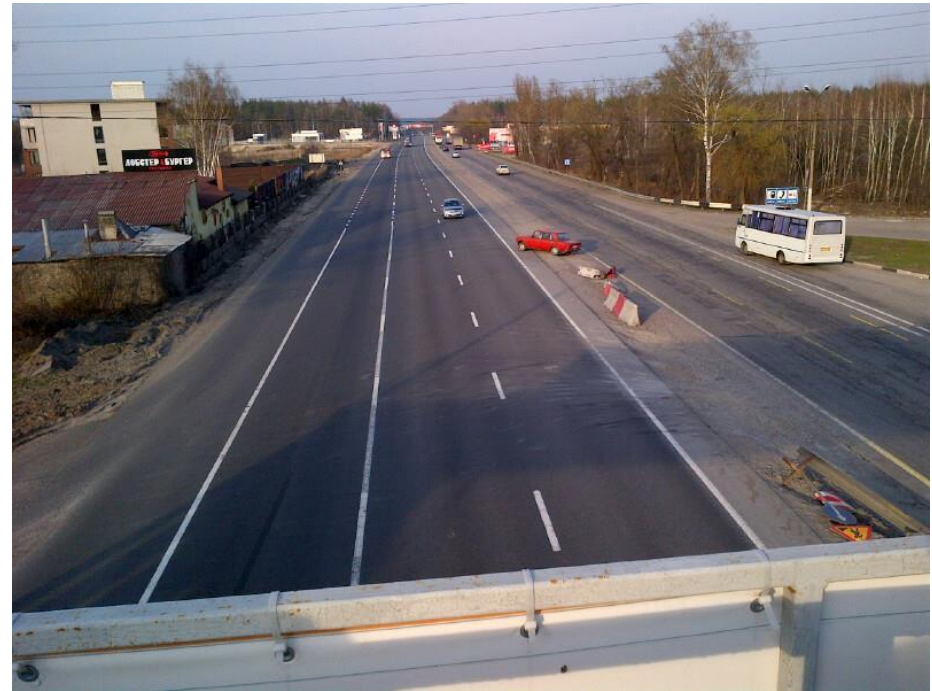


# Examples

## Attention to road safety during design and construction



**Lack of facilities for pedestrians**



**Left turns/U-turns on motorways**



# Examples

## Attention to road safety during design and construction



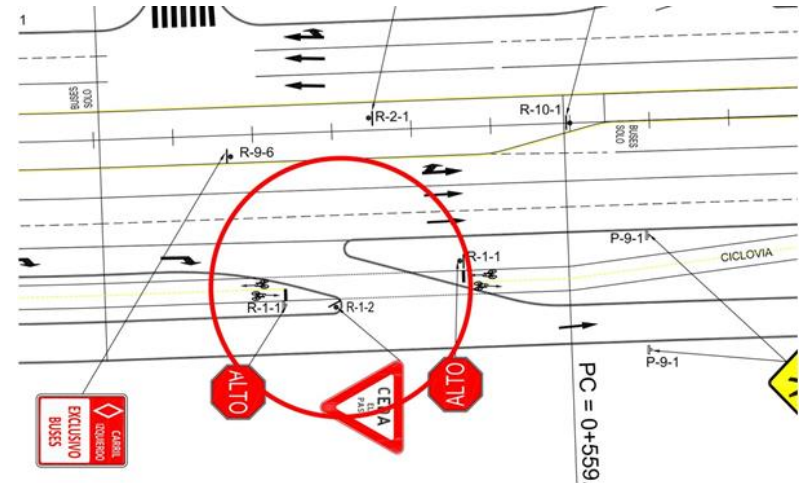
**Zebra crossing - across 6 lanes**



**Narrow emergency lane**

# Safety requirements

- Road Safety Audits (RSA)
  - Draft design
  - Detailed design
  - Before completion
  - During early operation
- Design, supervision and contractor's teams must include a competent person responsible for road safety matters



# EIB financing

## Lending

Financing of projects and programmes with sufficient volume

- 60+ m EUR within EU
- 30+ m EUR outside EU
- Framework Loans with multiple schemes.

## Blending

- Co-financing and cooperation with other IFIs
- Opportunities for grants for TA and soft components, for example
- Latin American Investment Facility (LAIF)

# EIB financing – general requirements

- Must be project-linked
- Must include fixed asset components
- EIB can finance max. 50% of total project cost



# EIB financing – general requirements

- Projects must be economically justified
- Technically viable
- Environmentally sound
- Financially sustainable
- Appropriate procurement procedures

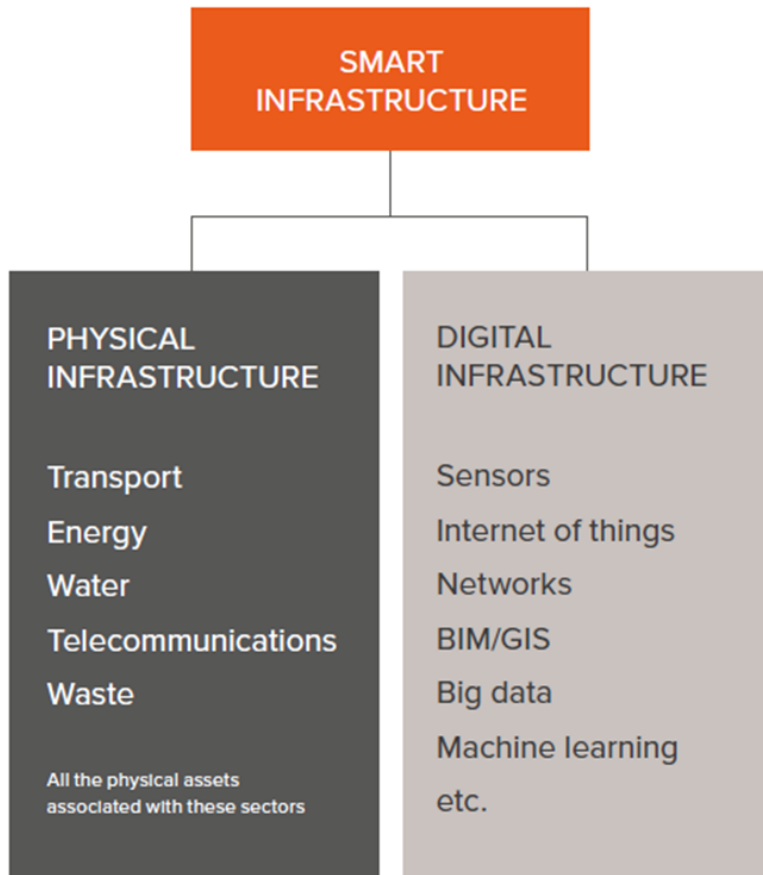
# EIB financing – benefits

- Large amounts
- Broad range of currencies
- Long maturities - up to 25 years and tailor-made grace periods
- Attractive interest rates
- Low fees

# EIB road safety projects - *examples*

Project	Country	Contents
<b>In EU member states:</b>		
ANAS Sicurezza Rete e Piano Gallerie	Italy	Crash barriers and tunnel improvements
FREJUS Tunnel	Italy/France	Second tunnel tube
Plan Mejora Red Carreteras de Murcia	Spain, Murcia	Renewal and safety schemes
<b>Outside the EU:</b>		
Road Rehabilitation and Safety	Serbia (2014-19)	Rehabilitation and safety on 1100 km trunk road
Bahia State Road Rehabilitation and Safety	Brasil, Bahia	Rehabilitation and safety on 3500 km incl. 900 accident spots

# When digital meets infrastructure



- Revolutionary impact on the efficient use of infrastructure
- New technology sensors provide new types of information
- Information & Communication Technology (ICT) networks enable ever-present, real time data access and sharing
- Cloud and Big Data technology enable massive information to be stored and processed
- The EIB is ready to support



**European  
Investment  
Bank**

*The EU bank*

