



**YENBF**



## European Union Road Federation (ERF)

- Non-profit organisation
  - Represents the European Road Infrastructure sector
  - Addresses Road infrastructure and Road Mobility issues
- 4 main programmes:
1. Road Sustainability
  2. Road Financing
  3. Smart mobility
  4. **Road Safety**
    - Road markings
    - Road signs
    - Work Zone Safety
    - **Road Restraint Systems**
- Hosting of the European Noise Barrier Federation (ENBF)

## ENBF (European Noise Barrier Federation):

- The European Noise Barrier Federation (ENBF) is a European federation of national associations representing enterprises who plan, manufacture and erect noise barriers on traffic routes.
- 16 Members :



# ENBF ACTIVITIES

**The Association promotes specific objectives addressing traffic noise abatement,**

- **to support Research & Development on systems and products**
- **to provide effective support to legislation / administration**
- **to promote qualification standards**
- **to advice professionals and inform public**

# CPR and Standardisation

- The Construction Products Regulation (CPR) is the European Regulation [No 305/2011](#) laying down harmonised rules for the marketing of construction products in the EU.
- This regulation is currently under review and it is affecting the harmonization process (publication on the OJEU) of product standards
- Implication on standard hEN14388 is also foreseen and issue may arise for CE MARKING OF NOISE BARRIERS

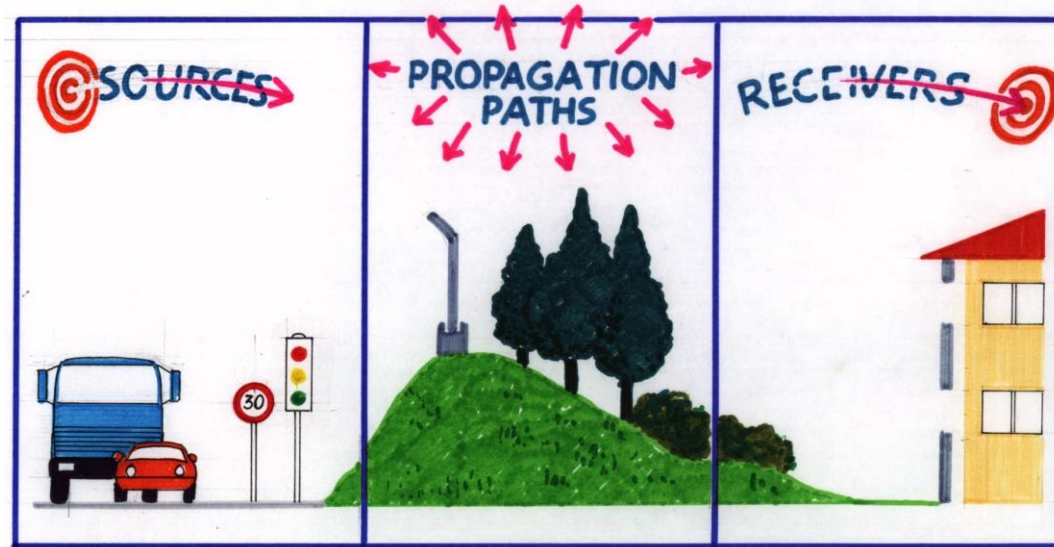
# Technical Standards for Noise Barriers

**CEN TC226 (Road Equipment's) has developed a comprehensive set of technical standards summarized herein.**

- **EN 1793-1,6 Acoustic performances measured in laboratory and in situ**
- **EN 1794-1,2 Structural, Safety and Fire behaviour performances**
- **EN 14389-1,2 Long term performances (durability)**
- **prEN 17383 Sustainability assessment**

**They represent a valid base for technical specifications of noise barriers**

# Addressing traffic noise reduction policies



## EXPECTED INSERTION LOSS VS POPULATION INVOLVED

- 4 dB(A)	-10 up to -20 dB(A)	> 20 dB(A)
FOR ALL RECEIVERS	FOR MANY REVEICERS	FOR A FEW RECEIVERS

# Participation to research projects



Defining tools for assessing environmental sustainability of noise and safety barriers  
<https://proceedr.project.cedr.eu/>



# Participation to research projects



Atech AIT bast



**Securing and Optimising the performance of Road Traffic Noise Barriers with new Methods and in-situ evaluation**

<https://www.enbf.org/sopranoise/>



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