

10th ANNIVERSARY CONFERENCE

19-20 SEPTEMBER, 2024,
Bulgaria, Grand Hotel Plovdiv, city of Plovdiv



BULGARIAN BRANCH ASSOCIATION
ROAD SAFETY



SAFE INFRASTRUCTURE ON THE THEME

“VISION ZERO” - ZERO CASUALTIES
IN ROAD TRAFFIC INCIDENTS”





BULGARIAN BRANCH ASSOCIATION
ROAD SAFETY



Road Safety and Road Infrastructure

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European Union Road Federation (ERF)





The European Union Road Federation (ERF)

- **Non-profit organisation**
 - ✓ Coordinating the views of the road infrastructure sector in the EU
 - ✓ Representing major stakeholders of the sector in the EU and outside
 - ✓ Defending the importance of the EU road transport for society and economy
- **Based in Brussels – founded in 1998**
- **Platform of dialogue and research on road mobility issues**
- ***‘The Voice of the European Roads’***

The ERF Membership

- **64 Members**
 - ✓ **Corporate and Industry (road construction and manufacturers of road equipment)**
 - ✓ **National Road Associations**
 - ✓ **Research Centres**
 - ✓ **Professional Organisations**
 - ✓ **Test centres and notified bodies**
 - ✓ **Academic**



4 Major Programmes

➤ Road Safety

- ✓ Road Markings
- ✓ Road Signs
- ✓ Road Restraint Systems (Barriers)
- ✓ Safety on Work Zones



➤ Sustainable Roads and Mobility



➤ Road Financing and Road Asset Management

➤ Smart Roads and Mobility



What we do

- Follow-up and monitoring of the European Transport Policy
- Information to our Members
- Advocacy to the European Institutions (EC, EP)
- Platform of research and dialogue with major stakeholders (projects)
- Cooperation with other major associations and organisations on Road Safety related topics
 - ✓ CEDR (Safety in Work Zones)
 - ✓ PIARC (Road Asset Management)



Main activities

- Internal Working Groups (dedicated to our Members)
- Newsletters, Press releases, Communication to the Members
- Organisation of technical events and seminars
 - ✓ Tailor made
 - ✓ Online and physical
- Publications (statistics, technical documents and position papers)





How to make roads safer and reduce the fatalities

Act on the 3 pillars of road safety:

➤ the vehicle



➤ the driver



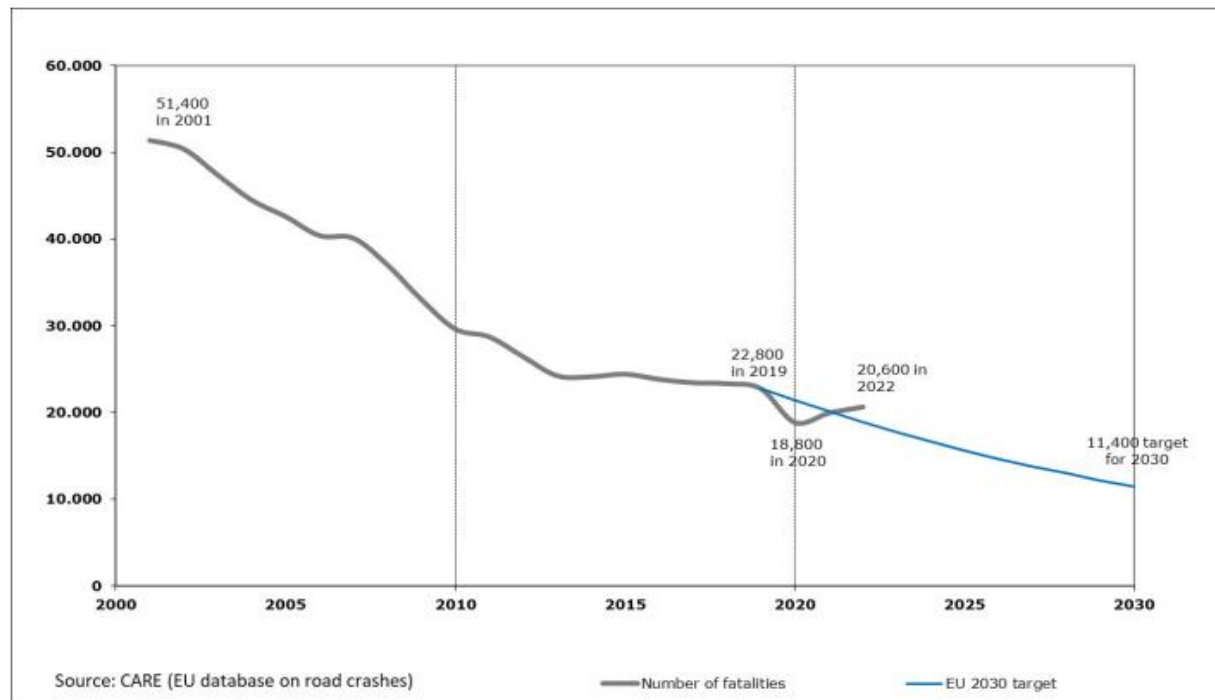
➤ the road infrastructure





Evolution of road fatalities in the EU

Figure 1: Trend in the number of road traffic fatalities in the EU



Differences between countries



7.1 Road accidents involving personal injury by country, 2000-2022

	2000	2005	2010	2015	2019	2020	2021	2022	% evolution 21/22	% evolution 2000/2022
AT	42.126	40.896	35.348	37.960	35.736	30.670	32.774	34.869	6,39	-20,53
BE	49.065	48.968	45.745	40.300	37.719	30.251	34.660	37.643	8,61	-24,97
BG	6.886	8.224	6.609	7.225	6.730	5.710	6.080	6.609	8,70	-4,19
HR	14.430	15.679	13.272	11.038	9.695	7.710	9.146	10.005	9,39	-33,34
CZ	25.445	25.239	19.676	21.561	20.806	18.419	18.156	19.733	8,69	-29,03
DK	7.346	5.412	3.498	2.853	2.808	—	—	—	—	—
EE	1.504	2.341	1.347	1.376	1.406	1.368	1.568	1.700	8,42	14,55
FI	6.633	7.022	6.072	5.185	4.002	3.608	3.243	3.076	-5,15	-58,58

Differences between countries



7.3 Road fatalities in EU countries, 2016-2022

Country	2016	2017	2018	2019	2020	2021	2022	evolution 2021/2022	evolution 2016/2022
BE	670	609	604	646	499	516	540	4,65	-19,40
BG	708	682	610	628	463	561	531	-5,35	-25,00
CZ	611	577	656	618	518	532	527	-0,94	-13,75
DK	211	175	171	199	163	130	154	18,46	-27,01
DE	3.206	3.180	3.275	3.046	2.719	2.562	2.788	8,82	-13,04
EE	71	48	67	52	59	55	49	-10,91	-30,99
IE	182	154	135	140	146	137	155	13,14	-14,84
EL	824	731	700	688	584	624	654	4,81	-20,63
ES	1.810	1.830	1.806	1.755	1.370	1.533	1.746	13,89	-3,54
FR	3.471	3.444	3.246	3.237	2.538	2.931	3.260	11,22	-6,08

Vision Zero – Principles

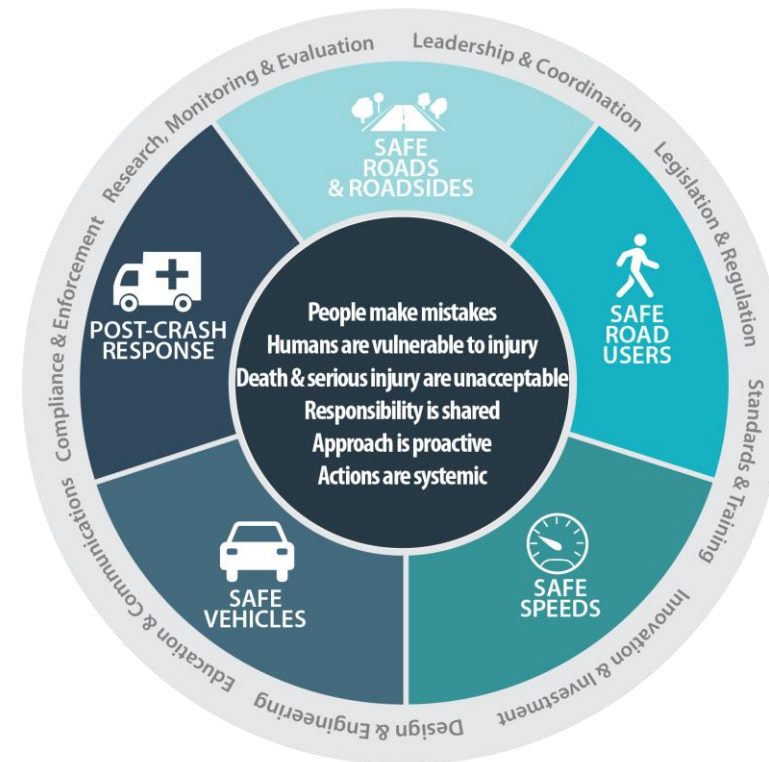
- **New mindset**
 - ✓ Originated in Sweden
 - ✓ No one should die or suffer serious injury in road accident crashes
 - ✓ Traffic deaths and severe injuries are preventable and unacceptable
- **Safe System approach**
- **Evolved into Road Safety strategies**





Vision Zero – Principles

- Use design-led solutions to achieve world of zero road deaths and serious injuries
- Safe System approach
 - ✓ Safe roads and roadsides
 - ✓ Safe users
 - ✓ Safe behaviours
 - ✓ Safe vehicles
 - ✓ Post crash response





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Vision zero – The EU

- Road transport is the most widely used transport mode
- Essential to economy in terms of contribution to GDP
- Interconnects all European business and people

BUT

- leading cause of accidents, serious injuries and premature deaths in EU



Vision zero – The EU

- Therefore, transport safety and security is one of the 10 key areas of the Sustainable and Smart Mobility Strategy of the EC



- EU long-term goal to move as close as possible to zero fatalities in road transport by 2050

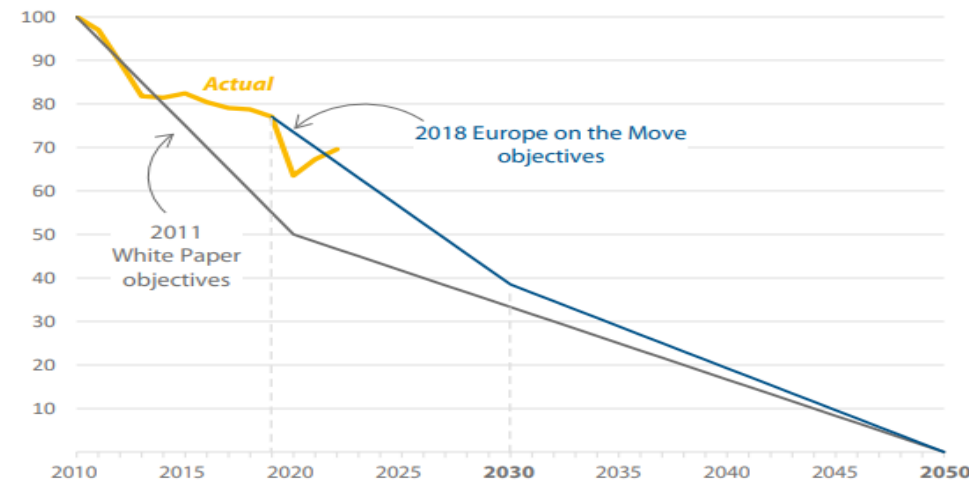


Slow progresses

EU progress is too slow to reach the 2030 and 2050 objectives

38 Between 2010 and 2020, the number of EU road-related fatalities decreased by 36 %, i.e. significantly short of the 50 % objective set by the Commission in its 2011 White Paper. In 2022, road fatalities actually increased by 4 % compared to the previous year (see Figure 7).

Figure 7 – Percentage decrease in EU road fatalities since 2010 when compared to the objectives set for 2020, 2030 and 2050



Note: The drop in road fatalities in 2020 is mainly attributable to the effects of COVID-19 on road traffic.

Source: ECA, based on Commission data.



Vision zero EC plans– shortcomings

➤ March 2024: Report of the European Court of Auditors

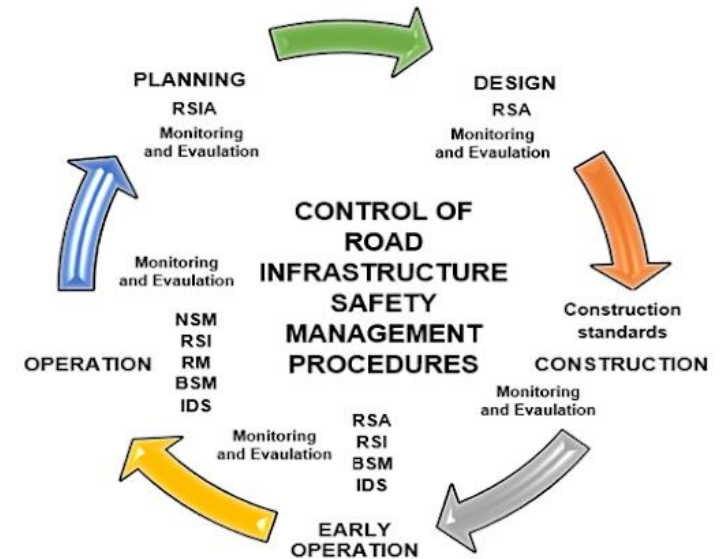
- ✓ more efforts needed to reach targets of halving road deaths and injuries by 2030
- ✓ despite an overall strategic approach, implementation is lacking or non-existent in some key areas
- ✓ need for more structured cooperation, benchmarking, and harmonised methodologies (e.g. KPIs)



About the road infrastructure – remarks

➤ The impact of the EU’s Road Infrastructure Safety Management Directive (RISM)

- ✓ is limited
- ✓ does not cover all urban and rural roads
- ✓ which are associated with 93 % of fatalities in 2020





About the road infrastructure – remarks

➤ When EU funds are used

- ✓ Road safety is not the key criterion
- ✓ Selection criteria often failed to target accident hotspots
- ✓ EU funding for roads to decrease in the years to come (2021 to 2027)
- ✓ Less funds available for improving road safety
- ✓ Therefore, more important to target properly the use of funds for saving lives



ERF recommendations



- Raising awareness of Vision Zero among decision-makers and society.
- Performing data analysis of road safety statistics
 - ✓ Identify intervention points
 - ✓ Define KPI's
- Paying attention to new trends
 - ✓ New mobility needs, schemes, patterns and behaviours
 - ✓ Focus on VRUs (mainly in urban environment)
- Promoting the implementation of safety technologies
 - intuitive, user-friendly, and affordable

ERF recommendations

- Focus on the road infrastructure
- Improved
 - ✓ Assessment procedures
 - ✓ Selection and use of funds
 - ✓ Promotion of performing road safety equipment (important role of ERF WG)
- Increased cooperation with major stakeholders
 - ✓ Road safety organisations (European and National)
 - ✓ National, regional and local authorities



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Thank you for your
attention !



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