Looking at future synergies to improve **road safety** in Western Balkans

TC Road Safety Technical Committee, 18 May 2021

José Diez, Director of Public Affairs
• **Non-profit organisation** based in Brussels representing the sector of the **road infrastructure** and defending the importance of the road network as essential part of Europe’s economy and society:
  ✓ In the EU, towards the EU institutions and NRA
  ✓ Outside the EU

• Acts as a **platform for dialogue and research on mobility issues**

• 71 Members in 2021 (**in EU and global**) representing **National Road Associations** and **Industry Stakeholders**: construction and maintenance companies, manufacturers (signs, markings, barriers), test houses, research centres and academia)
Four major programmes with specific Working Groups to develop different activities with EU institutions, member states and relevant stakeholders:

• Sustainable Roads
• Infrastructure & Financing
• Smart Roads
• Road Safety:
  ✓ WG Road Restrain Systems
  ✓ WG Markings
  ✓ WG Signs
  ✓ WG Work Zones Safety
Technical Papers

ERF technical recommendations to adapt CAVs - Road Markings

On 17 May 2015, the European Commission indicated the need for action to accelerate the deployment of V2X (vehicle to everything) technology in the European context, so as to support the large-scale roll-out of CAVs (connected and autonomous vehicles) in the European market. The ERF project is a R&D project supported under the Horizon 2020 programme of the European Commission's Excellence in Research, Development, and Innovation (ERF).

- Improved Signage for Better Roads
  - An ERF Position Paper towards improving Traffic Signs in European Roads

- Marking the Way Towards a Safer Future
  - An ERF Position Paper on how Markings can make our roads safer

- Towards Safer Work Zones
  - A constructive paper on the performance of safety equipment for work zones deployed on TEI-T roads

- Road Asset Management
  - An ERF position paper for maintaining and improving a sustainable and efficient road network
European Projects

**WhiteRoads**: white spots of at least 15 Kms with zero fatalities

**Rainvision**: road safety impact of markings in wet, rainy, night conditions

**ECORoads**: synergies between RISM and Tunnel Directives

**ROSA**: infrastructure guidelines for PTW safety

**FORESEE**: methodology to improve rail and road infrastructure resilience in case of extreme events (Natural and man-made)
Cooperation with the European Commission

- **EC Sub-Group on Markings and Signs (EGRIS)**
  Within the framework of the RISM Directive, sharing technical knowledge with EC & Member States on safety performance for markings and signs (level of maintenance, contrast, reflectivity, materials) for machine vision and human eye perception

- **EU High Level Group on Road Safety**
  Dialogue with public authorities & stakeholders providing infrastructure vision

- **CCAM Single Platform / European Partnership on CCAM**
  Initiative to advice and support the EC & MS on future deployment of cooperative, connected and automated mobility
Technical cooperation with national authorities and stakeholders

- **CEN TC226 / WG12**: adaptation of current ENs in road infrastructure to ADAS/Automated vehicles ensuring minimum levels of safety

- **World Road Association** (PIARC): participation in working groups linked to Road Asset Management

- **US**: sharing expertise with counterparts involved in the adaptation of the Manual of Uniform Traffic Control Devices for Streets and Highways (MUTCD) to CAVs

- **Safer Engineering Workshops** in different locations (new MSs, Malta, Russia, Middle East) with public authorities and relevant road stakeholders sharing EU legislation and good practices to promote safer road infrastructure
Technical cooperation with Western Balkans Authorities and TC Secretariat

• Complement TC Road Safety Action Plan:
  ✓ Actions to promote safer infrastructure
  ✓ Actions to enhance cooperation and exchange of experience

• Capacity Building Trainings to exchange technical knowledge and share good practices on road infrastructure elements

• Current standards used in road infrastructure: technical assistance from ERF experts in road markings, signs, barriers, work zones safety

• Implementation of EU acquis related to road safety (RISM Directive)

• Adaptation of road infrastructure elements to ADAS and automation
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