Road Safety Monitoring Centres in Italy: the case of the Lazio Region

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Monitoring Road Safety (RS) performance

- **RS dimensions:**
  - Risk exposure,
  - Accident risk,
  - Injury risk

- **RS strategy:**
  - targets,
  - implementation,
  - outcomes and impact

The SUNflower model (Wegman et al., 2005)
The Italian context

The Italian Road Safety Plan was instituted in 2001

The Plan has been put into effect through Implementation Programs and calls for tenders issued by the Regions.

- Five annual Implementation Programs and over 70 regional calls for tenders.
- Financing over 1,600 interventions in Provinces and Municipalities.

How to monitor the implementation? By the establishing of Road Safety Monitoring Centres (RSMC) at regional level.
The Italian context (2)

- Crash data collection involves 3 Police forces
- National survey coordinated by ISTAT to uniform crash data
- Before the RSMC implementation:
  - poor accuracy (no localisation, frequently not digital), not timely provided, incomplete
  - Road and Traffic volume data poorly available and not integrated
Functions and characteristics of regional RSMC according to the National RS Plan (1)

1. Support the creation of local RSMCs and the verification of the implementation of the National Plan at the local level by the Provinces and Municipalities and develop measures for guiding, coordinating and enhancing these RSMCs

2. Allow the direct participation of Provinces and Municipalities in the management of the RSMC

3. Adopt standards defined by the National Government to ensure full consistency of data and analysis/evaluation procedures throughout the country
Functions and characteristics of regional RSMC according to the National RS Plan (2)

4. Ensure the preparation of a regional overview of the state of road safety, the implementation of the (National) Plan, and the results progressively achieved in terms of reducing the number of victims of road accidents.

5. Identify the most effective interventions to be proposed as good practices at regional and national level.

6. Encourage, support, carry out study and research on the risk factors and causes of road accidents.

7. Promote the drafting and implementation of provincial and municipal road safety plans and programmes.
The Lazio region
RSMC: CEREMSS

• **CEREMSS** was established in 2017 by a consortium lead by Sapienza University of Rome
• CEREMSS is managed by **ASTRAL Spa**, the regional road authority with the support of Sapienza
• Strong cooperation with academia from the beginning
CEREMSS system

https://ceremsslazio.astralspa.it

Data collection, management, validation

- Accident DB
- Traffic DB
- Road DB
- Intervention DB

RSMC system

Planning

Dissemination

SafetyManager

Reports, videos, surveys, events, app
Accident data collection, management, validation

Local Police
- Light
- Full

Road Police, Carabinieri

CEREMSS staff
- Help Desk
- Training
- Control & Validation

CEREMSS tools

National standard format

CEREMSS Accident DB

Road Safety Monitoring Centres in Italy
Monitoring Traffic: FCD & fixed cameras

- Floating Car Data (FCD) on the main network updated regularly
- Traffic data from fixed cameras on the regional network
Monitoring Plan/Program implementation

- National Road Safety Plan measures
- Works on Regional Road Network

Road Safety Monitoring Centres in Italy
Planning Road Safety

Reports, Studies Tools supporting:
• Critical sites selection
• Analysis of accident causation
• Countermeasure selection
• Cost-Benefit Analysis
• Countermeasure evaluation
Training activities
Dissemination

"Safety in ... game" app: interactive questionnaire aimed at youngsters

Collection of road safety campaign videos

"Regional, National and International road safety 'Good Practices'"

Events & Workshops
Conclusions

• Cooperation with academia → Evidence based policy making
• Tools+HelpDesk → Active involvement of multiple actors in the region
• Integration of multiple data sources → Sound road safety analyses
• Training and Dissemination → Road safety culture
Thank you for your attention!

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