

RADAR project  
RISK ASSESSMENT ON DANUBE AREA ROADS



Dr Steve Lawson, Partnerships & Research Director, EuroRAP



This meeting



- A quick reminder of EuroRAP
- To outline on RADAR – Risk Assessment on Danube Area Roads
- To ask SEETO to consider a role as an Associated Strategic Partner (ASP)



Thanks..



- For the invitation
  - To SEETO
- ...and for the organisation and logistics support



Dr Steve Lawson



- university research, road authorities, motoring club: since 1979
- original EuroRAP project manager: 1999
- many road projects in UK, Europe (including Netherlands and Sweden) and Africa
- supporting SENSoR “transnational project management” in 14 countries in South East Europe 2013-14



EuroRAP’s core activity



- Spatial description of risk, and development of infrastructure-related investment packages.
- Where and how are people killed?
- How do we match countermeasures to needs?
- What are the costs and benefits?



Last time – SENSoR (South East Europe road safety stepping-stone project)





Last time – “How we score what we score”

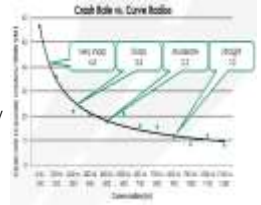


<http://www.irap.org/en/about-irap-3/methodology>



A few of the 52 attributes...

- Posted Speed Limit, Operating speed, Traffic volumes
- Lane width, Paved shoulder
- Curvature, Curvature quality
- Delineation, Shoulder rumble strip, Shoulder sealing
- Road condition, skid resistance
- Roadside object to be struck
- Roadside severity (distance from carriageway)
- Intersection type and quality
- Intersecting road volume, minor access point density
- Pedestrian facilities and activity
- Land-use, area type, etc etc...



...coded every 100m



Within **current** spending plans and budgets

“No new money” – improvements part of:

- **maintenance** – signing/lining, shoulder sealing, road surface rehabilitation or skid resistance improvement, roadside clearance, central hatching
- **upgrading** – roadside barriers, additional lanes, duplication with median barrier
- or as a result of intelligence from **road safety studies**



RADAR project identity

- Funds: Danube Transnational Programme (DTP)
- Projected budget 2-3mil EUR
- 9 countries in first bid (including Bosnia and Herzegovina, Croatia, Serbia,)
- Partnership: 10 partners and up to 10 Associate Strategic Partners (ASP)
- 3 November 2015 first step submission – submitted on 31 October!
- Significant contribution to the reducing deaths on roads in Danube region



Associated Strategic (ASP) Partner role in RADAR project

- Typically ministries and/or road authorities
- Identification of networks to be surveyed
- Advice on ministry and road authority priorities
- Participation in training – eg Directive 96/2008/EC
- Participation with 9 countries
- Travel and accommodation costs covered 100% by sponsoring partners
- Support in communication





### RADAR project work packages

1. Management and coordination (Leader: EuroRAP)
2. Communication
3. Danube Road Safety Strategy and Action Plan – infrastructure
4. Capacity building – training in tools, skilling up of staff
5. Risk Mapping, Star Ratings and Safer Roads Investments Plan – **15,000km more**
6. Pilot engineering designs for high priority sites



### Countermeasure identification

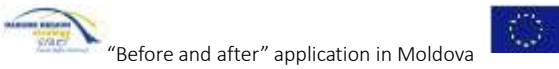
Location for barriers

Location	Category	Priority	Score	Cost	Impact
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
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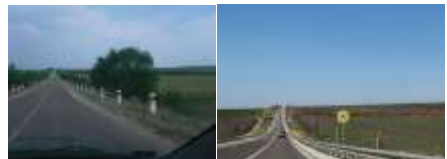


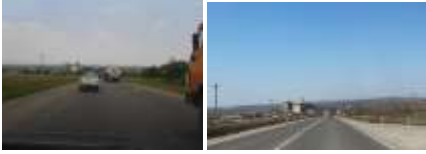
Identifying potential location of countermeasures by software zoom





“Before and after” application in Moldova





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