Star Rating Estimation for UN Targets

Co-financed by the Connecting Europe Facility of the European Union
Introduction

- UN benchmark: >75% travel on 3*+ roads
- Star rating (1-5) measures infrastructure safety
- Estimate travel on 3*+ roads ...
  - on the core TEN-T
  - in each country

3*+ = 3 star or better

TEN-T = Trans European Network for roads
Country = EU Member States (+ Neighbouring countries)
The Core TEN-T
Approach and limitations

- 17% sample of the core TEN-T
- TENtec road type data
- Extrapolation by country and TENtec road type
- Prioritisation for further analysis and improvements
- Variation in basic core TEN-T characteristics between countries
Major indicative findings

14 countries 75%+ 3*+

9 EU countries 65%– 3*+
Indicative results by country
Investment priorities

- Strong case for investing in 1 and 2 star roads

- Returns on investment likely to be significant: BCRs ranging between 2 and 8

- ‘Shovel-ready’ schemes where surveys have already been completed
Recommendations

• Update the TENtec database:
  • Geography
  • Road types

• Extend analysis to (all) comprehensive TEN-T

• Review apparent 1* and 2* roads in more detail
  • Current results are indicative and high-level only
  • More data could enable more robust estimates
  • Focus on likely lower-performing (EU) countries
  • Invest on confirmed 1* and 2* roads
Thank you for your attention!