

# Star Rating Estimation for UN Targets



# 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

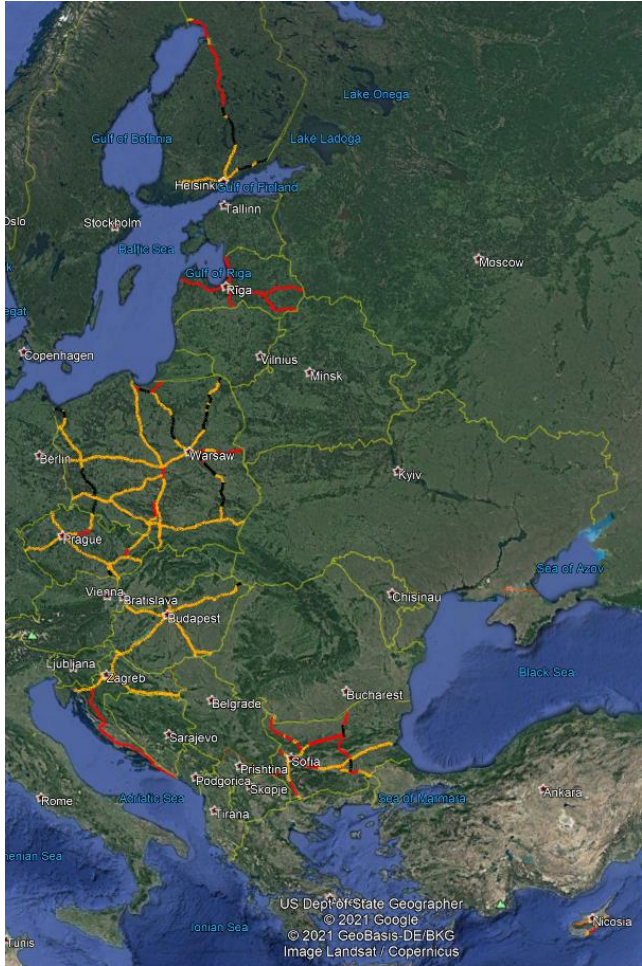
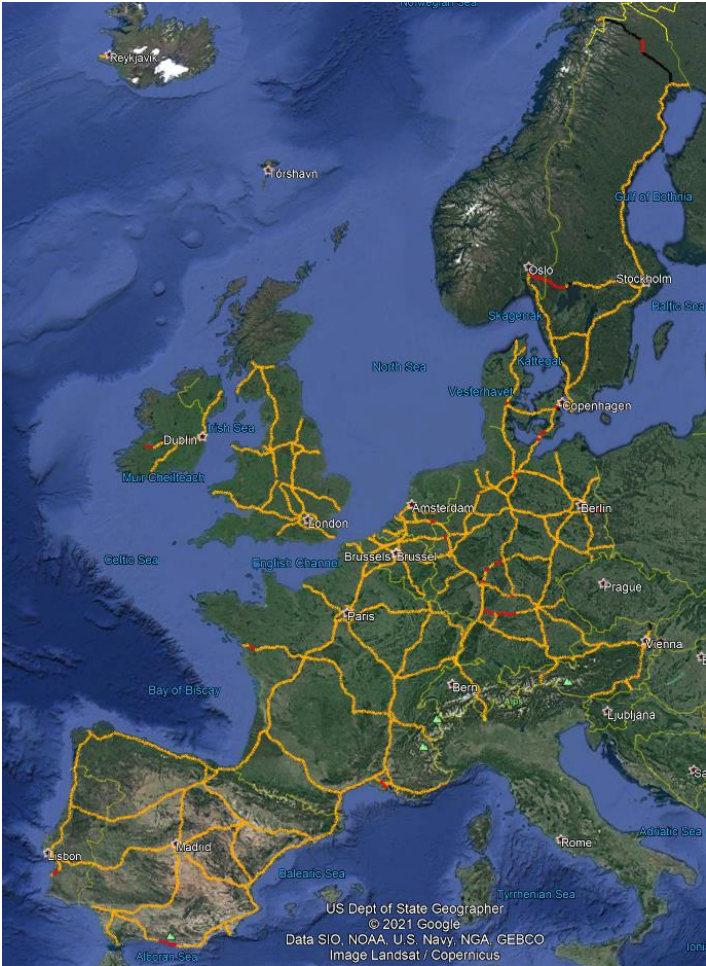
- 17% sample of the core TEN-T
- TENtec road type data
- Extrapolation by country and TENtec road type
- Prioritisation for further analysis and improvements
- Variation in basic core TEN-T characteristics between countries

# Major indicative findings

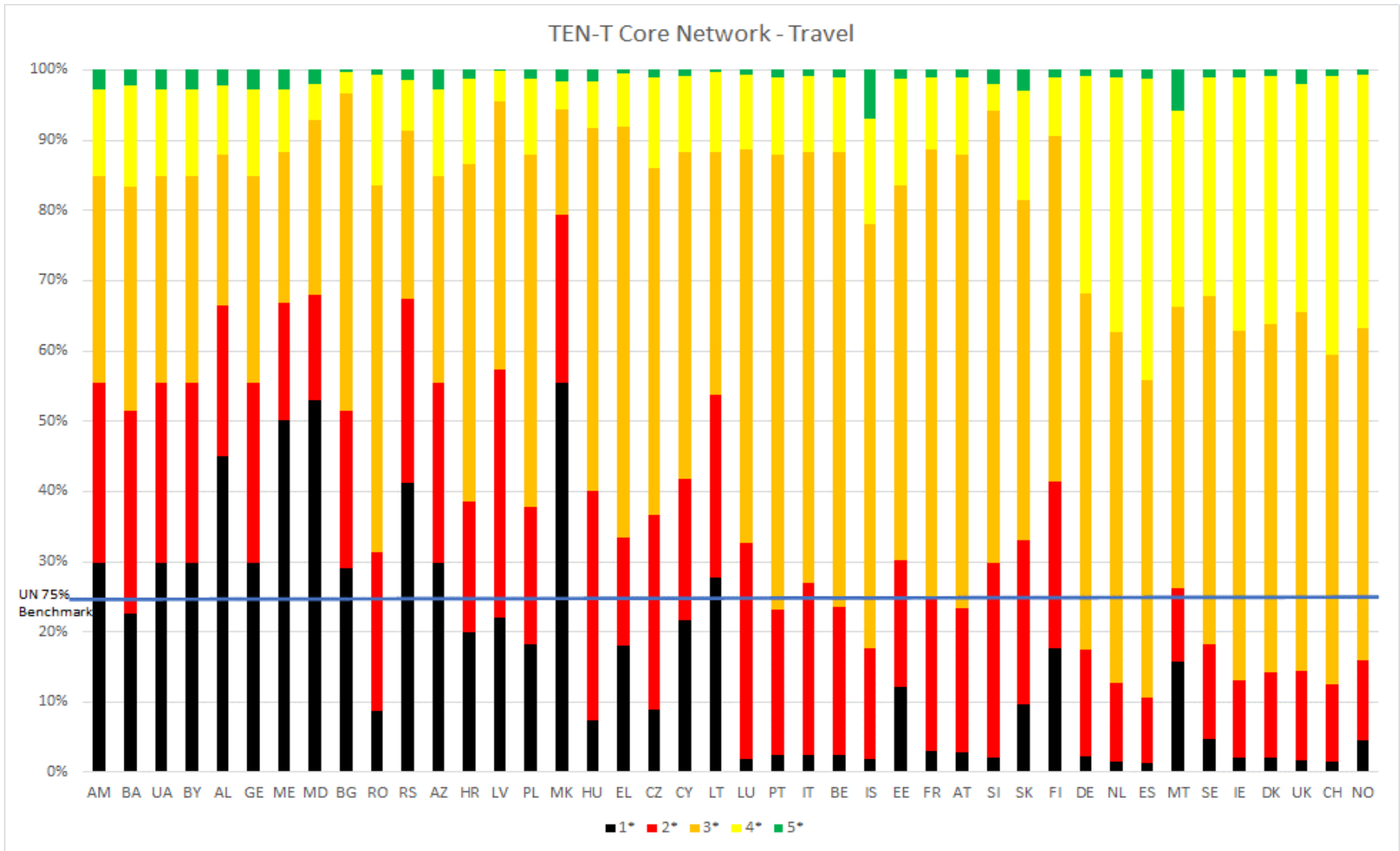


14 countries 75%+ 3\*+

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



An aerial photograph of a roundabout with a central landscaped island, overlaid with a semi-transparent green filter. The image shows several cars and two large trucks circulating the roundabout. The text "Thank you for your attention!" is centered in white, bold font.

**Thank you for your attention!**