

Outline

- Decade of Action and its Target
- What is iRAP?
- What is the RISM Directive for Europe?
- Why is Infrastructure data so important?
- What is a RAP?
- What can be done in Kosovo? Look at a pilot project

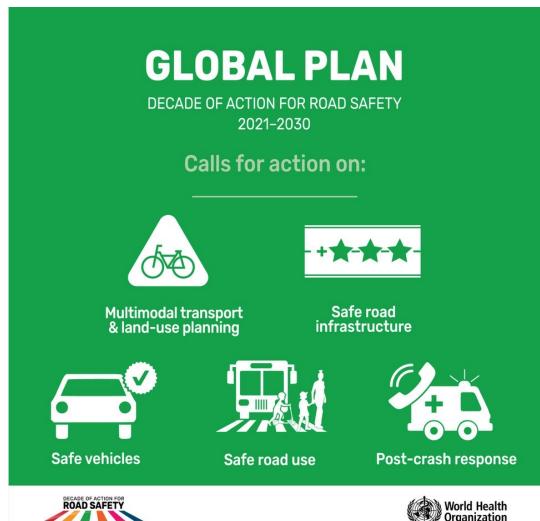
The United Nations Global Plan 2021-2030

UN General Assembly Resolution 74/299 declared a Decade of Action for Road Safety 2021-2030, with the target to reduce road traffic deaths & injuries

BY AT LEAST 50% during that period











UN Global Road Safety Performance Targets







Target 1: By 2020, all countries establish a comprehensive multisectoral national road safety action plan with time-bound targets



Target 2: By 2030, all countries accede to one or more of the core road safety-related UN legal instruments.



Target 3: By 2030, all new roads achieve technical standards for all road users that take into account road safety, or meet a three star rating or better.



Target 4: By 2030, more than 75% of travel on existing roads is on roads that meet technical standards for all road users that take into account road safety.



Target 5: By 2030, 100% of new (defined as produced, sold or imported) and used vehicles meet high quality safety standards, such as the recommended priority **UN Regulations, Global Technical Regulations**, or equivalent recognized national performance



Target 6: By 2030, halve the proportion of vehicles travelling over the posted speed limit and achieve a reduction in speedrelated injuries and

while driving.



Target 7: By 2030, increase the proportion of motorcycle riders correctly using standard helmets to close to 100%.



Target 8: By 2030, increase the proportion of motor vehicle occupants using safety belts or standard child restraint systems to close to 100%.



Target 9: By 2030, halve the number of road traffic injuries and fatalities related to drivers using alcohol, and/or achieve a reduction in those related to other psychoactive substances.

- PILLAR: 1: Road safety management PILLAR 2: Safer roads and mobility
- PILLAR 3: Safe vehicles PILLAR & Safe mad users

PILLAR 5: Post-crash response



Target 10: By 2030, all countries have national laws to restrict or prohibit the use of mobile phones





Target 12: By 2030, all countries establish and achieve national targets in order to minimize the time interval between road traffic crash and the provision of first professional emergency





Target 3: By 2030, all new roads achieve technical standards for all road users that take into account road safety, or meet a three star rating or better.





Target 4: By 2030, more than 75% of travel on existing roads is on roads that meet technical standards for all road users that take into account road safety.

>75% of travel on existing roads 3-Star or Better



Following the request of the United Nations General Assembly, on November 22, 2017 Member States reached

consensus on 12 global road safety performance targets. For more information: http://www.who.int/violence_













































A WORLD FREE OF HIGH-RISK ROADS











PARTNERSHIPS FOR 2030 IMPACT

A WORLD FREE OF HIGH-RISK ROADS – PROGRESS BY JUNE 2022

































iRAP partners with governments, mobility clubs, funding agencies, development banks, industry, research institutes and NGOs around the world to make roads safer









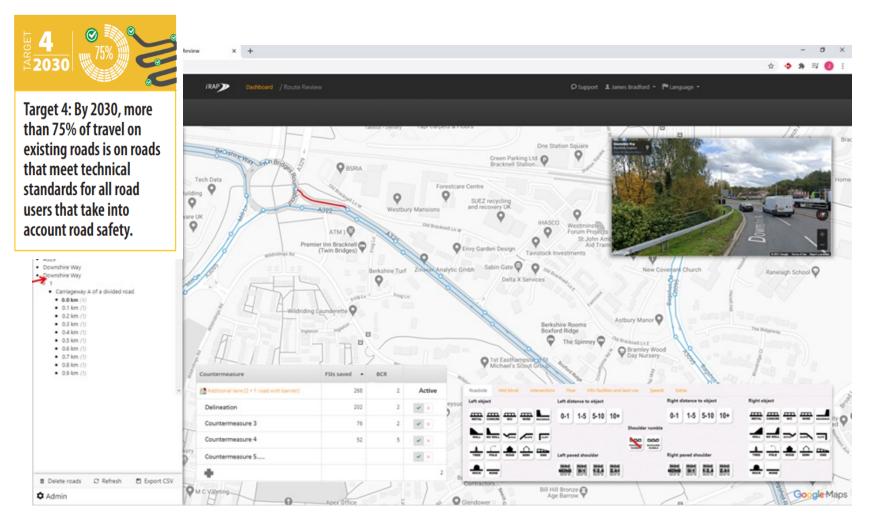


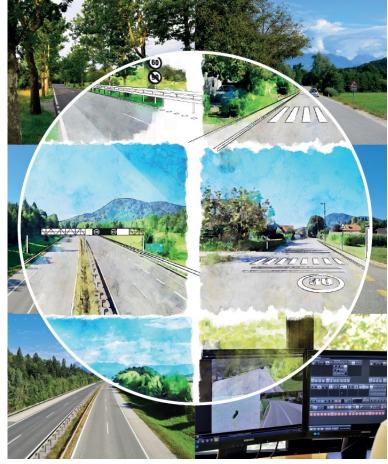
>400,000 deaths and injuries prevented by 2022



* Preliminary estimations by Johns Hopkins University based on sample of iRAP assessment data

RISM and Route Review Tools & Investment Advice





Why is infrastructure data important?

Strong evidence linking road design with crash likelihood and crash severity

Can be measured

By systematically inspecting roads, we can develop an understanding of the level of risk that is 'built in' to road networks

"Proactive" and actionable data that can be to target highrisk sections of road for improvement before people are killed or seriously injured

Can be used to identify opportunities to encourage more safe, active transport – cycling and walking.

Global Performance Targets



Target 3: By 2030, all new roads achieve technical standards for all road users that take into account road safety, or meet a three star rating or better.



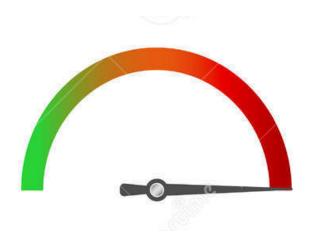
Target 4: By 2030, more than 75% of travel on existing roads is on roads that meet technical standards for all road users that take into account road safety.

What is infrastructure data?

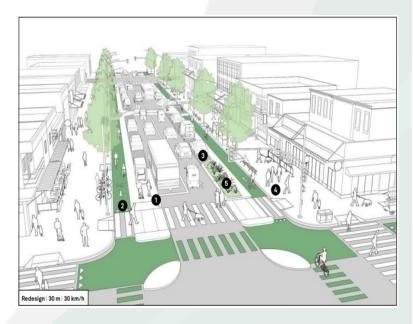
SPEED

FLOWS

ATTRIBUTES







SAFETY PERFORMANCE INDICATORS

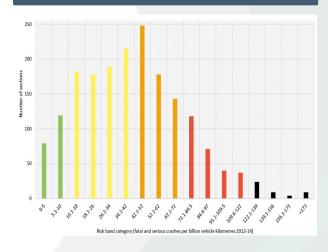
What is a RAP?

RISK MAPS STAR RATING Low risk roads (safest Medium risk Medium-high ri Straight Clear roadside Trees @ 1-5m Paved shoulder Wide lanes 0-1m Centre line median Paved shoulder

INVESTMENT PLANS



PERFORMANCE TRACKING



Measuring Road Risk

- Reactive
- Measuring crashes per km travelled

Proactive

- Measuring infrastructure risk
- Can be completed in the absence of crash data

the safest while one-star are

Prioritises and costs improvement options to save lives

Considers 90 proven road

rating to monitor performance over time

Enables celebration of success and informs action to address persistently high-risk roads

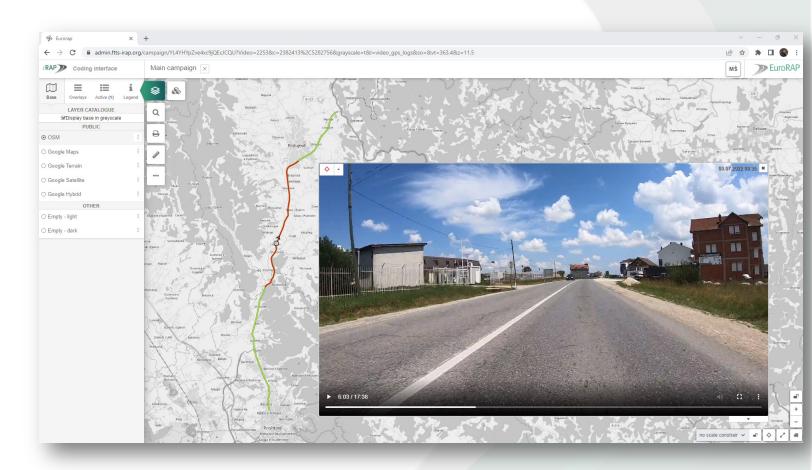
Star Rating and Safety Investment Process

Data Collection ViDA – online software Implementation Road Inspection **一种** Planning Collection of video or images and GPS coordinates 1. Star Rating 3. Safer Roads Investment Plan (SRIP) Road Coding Star Rating Recording of more than Design 50 attributes for each 100meter road segment SR4D Safety treatments Post Construction Data · Estimate of deaths and severe Supporting data like Star Rating injuries prevented traffic flow and vehicle · Economic assessment Supporting operating speed (85th 2. Road Condition percentile speed)

https://vida.irap.org

Pilot in Kosovo

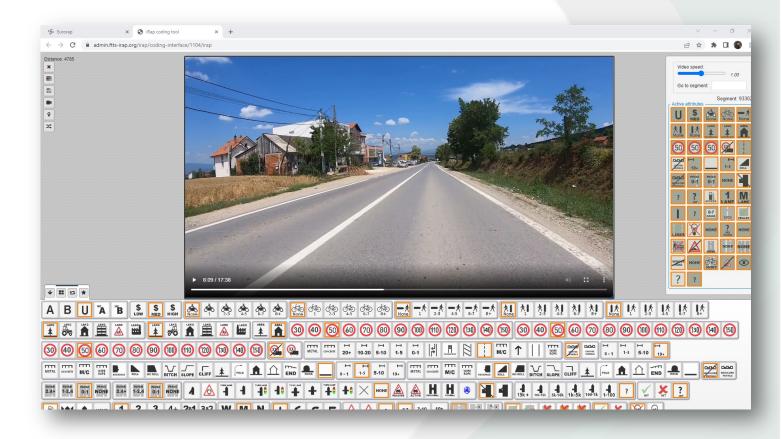
- Road M25 Prishtinë Merdare
 cca 24 km
- Selected by National Team for Road Assessment Program – KosovoRAP
- Survey done by AMRKS & Tempulli using University of Zagreb know-how and software
- iRAP Star Rating coding performed by University of Zagreb (in kind donation)





Pilot Star rating results for M25

- Expected Q1 2023
- Post coding data needed
 - Operating (85th percentile) speed
 - Historic crash data calibration
 - Pedestrian and vehicle flow data needed
- Quality Assurance (QA) process required
- National consultations on results to pe performed



For more information

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