



# WHAT MOTORISTS EXPECT

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FEDERATION  
INTERNATIONALE  
DE L'AUTOMOBILE

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- Non-profit global organisation headquartered in Paris founded in 1904.
- International association of national Automobile and Touring Clubs and national Federations for motoring and motor sport.
- Enjoys a consultative status with the United Nations.

## SPORT

**Mission:** ensures that fair, capably regulated and above all safe events are conducted in all corners of the globe.



## MOBILITY

**Mission:** ensure that safe, affordable and clean systems of transport are available to all.



The FIA is a leading campaigner on a wide range of motoring-related issues including global road safety and environmental sustainability.

It brings together 237 national motoring and sporting organisations from 142 countries on five continents. Its member clubs represent 80 million motorists.





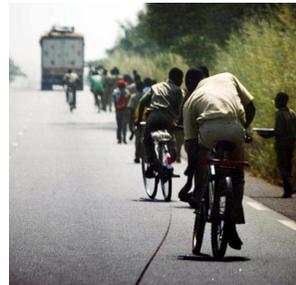
# USERS' EXPECTATION



Safe Roads



Reasonable journey speed





# WHY IS SAFETY IMPORTANT

- NHSTA report: basic vehicle technology have saved more than 600,000 lives in the US (1960-2012).
- The role of EuroNCAP in the EU to drive down fatalities.
- The successful experiences of LatinNCAP and GlobalNCAP in emerging countries.





# ECONOMIC IMPACT

- 1-5 % GDP
- US\$2-4 billion a day globally
- Not only users: all sectors of the economy suffer



Health Care Costs

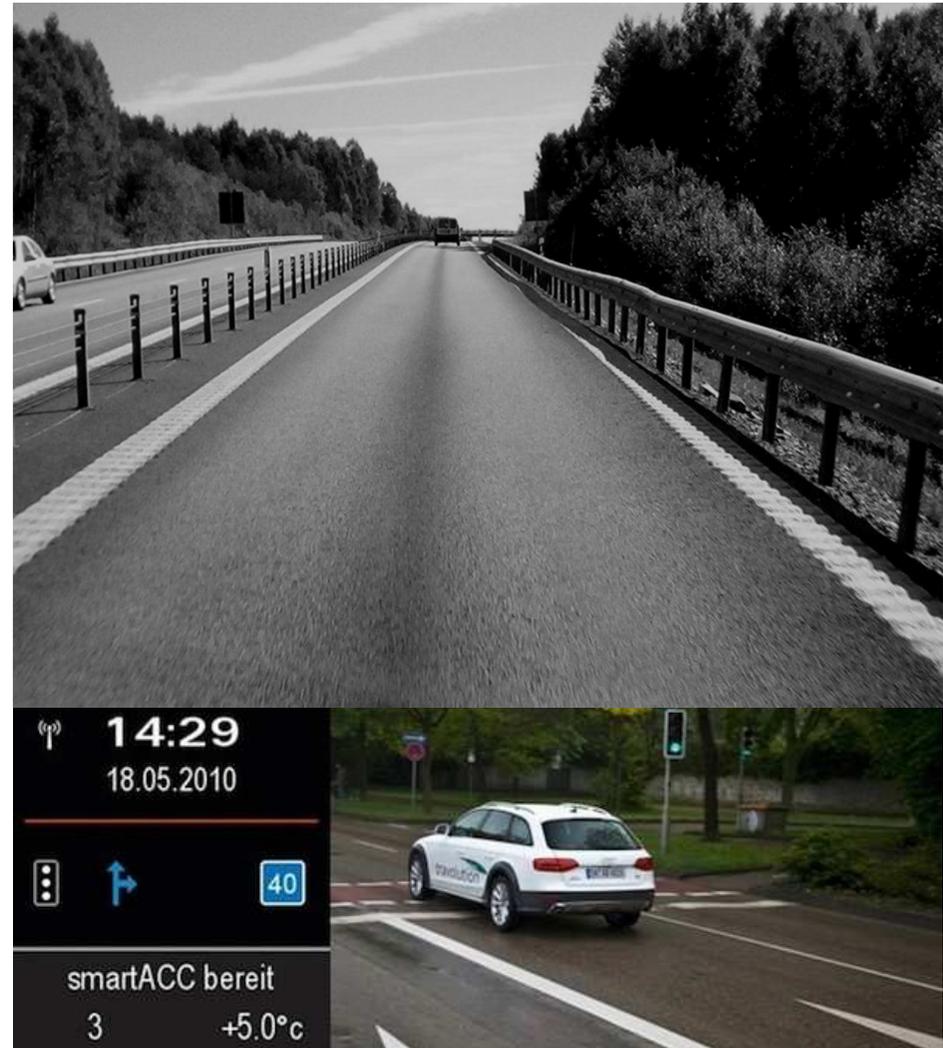


Business disruption costs



Transport Disruption costs

- Look more at the role of the infrastructure.
- Consider the interaction vehicle-infrastructure.
- Promote systematic assessment of risk.
- Motorists already pay for road use and externalities but do not get the level of quality they should be entitled to.





# THE iRAP PROGRAMME

## iRAP philosophy:

- Road fatalities are largely avoidable.
- Road designs that help the motorist understand what to do and forgive driver errors.
- Targeted interventions to improve existing roads have a very good economic payback.



## Key partners:





# iRAP APPROACH: THE STAR RATING SYSTEM

Star Ratings are based on road inspection data and provide a simple and objective measure of the level of safety.

The iRap approach:

- Target: no one, or two, star roads.
- Eliminate high and medium-high risk road sections.
- Show that progress is possible.
- Create awareness among all stakeholders (users, road operators, decision makers).



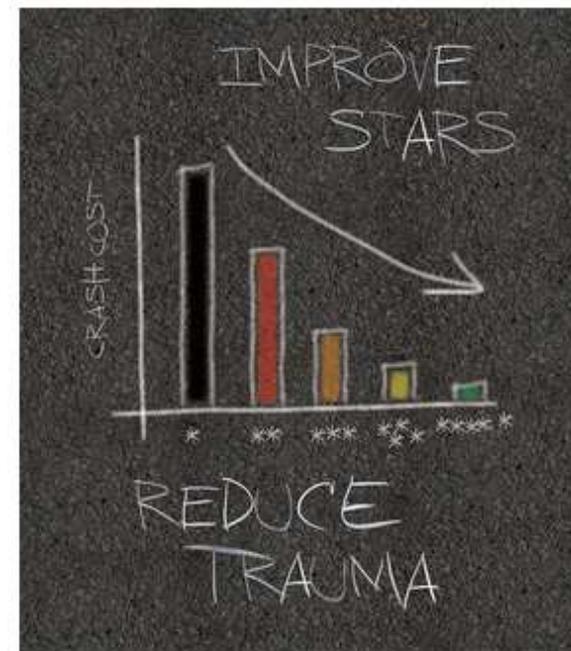
Example of 2 star ratings





# iRAP APPROACH: THE MEXICA CASE STUDY

- 65,000 km of highways assessed by the National Secretariat of Transport
- Eliminate high and medium-high risk road sections.
- Along with iRAP data, the surveys are collecting pavement data that will be used for asset management, making the undertaking very cost effective
- \$250m maintenance investment will reduce 1 & 2 star section by 20%



Crash costs are lower on roads with better Star Ratings. Safer roads mean healthier and more prosperous communities.

A world free of high risk roads  
[www.irap.org](http://www.irap.org)





|          |        |
|----------|--------|
| Motorway | 5-star |
| National | 4-star |
| Regional | 3-star |

- The **Dutch Government** first announced a minimum 3-star level for their secondary roads by 2020.
- **Sweden** is still improving its road safety record. Their emphasis for the next decade is to eliminate those main roads which have less than a 3-star safety rating and combine this with efforts to promote active vehicle safety.
- KiwiRAP in NZ works with **NZ** Transport Agency, DoT, local authorities, private sector to extend assessment on urban roads.



# CONCLUSIONS

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1. We need to set minimum safety levels and systematically assess and upgrade quality of infrastructure.
2. We need more efficiency through better use of technologies.
3. We need to promote awareness (drivers, decision makers, engineers).





THANK YOU

THANK YOU FOR YOUR ATTENTION

## Demand & celebrate safer roads

**#SaveKidsLives**

[READ IT](#)

Every day more than 500 children lose their lives in traffic crashes globally. Thousands are injured.

**Help Save Kids Lives Now!**  
*with road safety*

FIA supports the Third  
UN Road Safety Week (4-10 May 2015)

