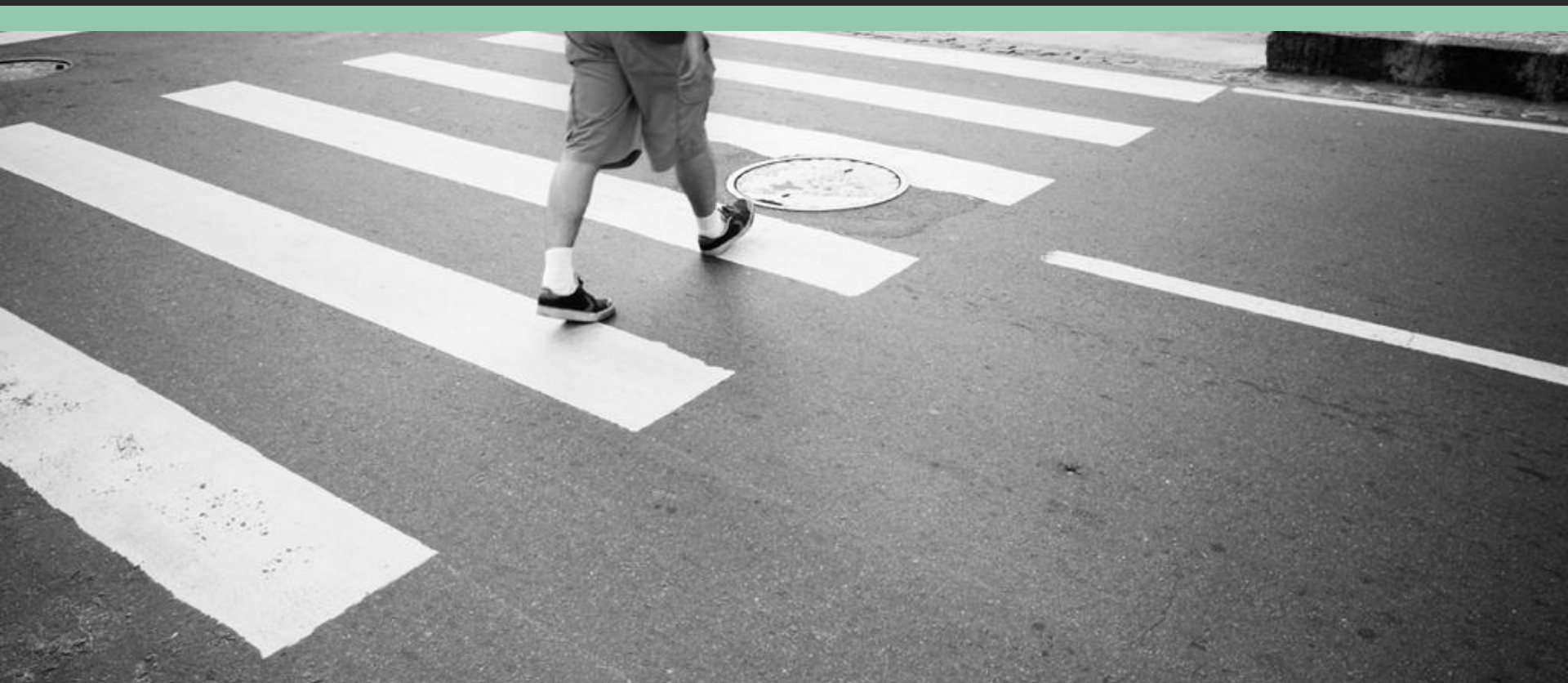



iRAP Update



January, 2010





**Road crashes are
one of the top three
causes of death for
5 to 44 year olds.**

World Health Organisation

Outline

- About iRAP
- iRAP approach and typical results
- Global update

iRAP is a not-for-profit working in partnership with government and non-government organisations to:

- assess high-risk roads and create targeted safety plans
- provide training, technology and support
- track road safety performance



Outline

- About iRAP
- iRAP approach and typical results
- Global update



iRAP Approach

Star Ratings:
car occupants
motorcyclists
pedestrians
bicyclists

Inspect road network

Safer Roads Investment Plan:
affordable, cost effective
infrastructure improvements

Local assessment
of SRIP and
detailed design

Implement
countermeasures
and save lives



A Focus on Crashes that Kill

- Vehicle occupants and motorcyclists:
 - Run-off road
 - Head-on
 - Intersections
- Pedestrians and bicyclists:
 - Moving along the road
 - Moving across the road





Road inspections

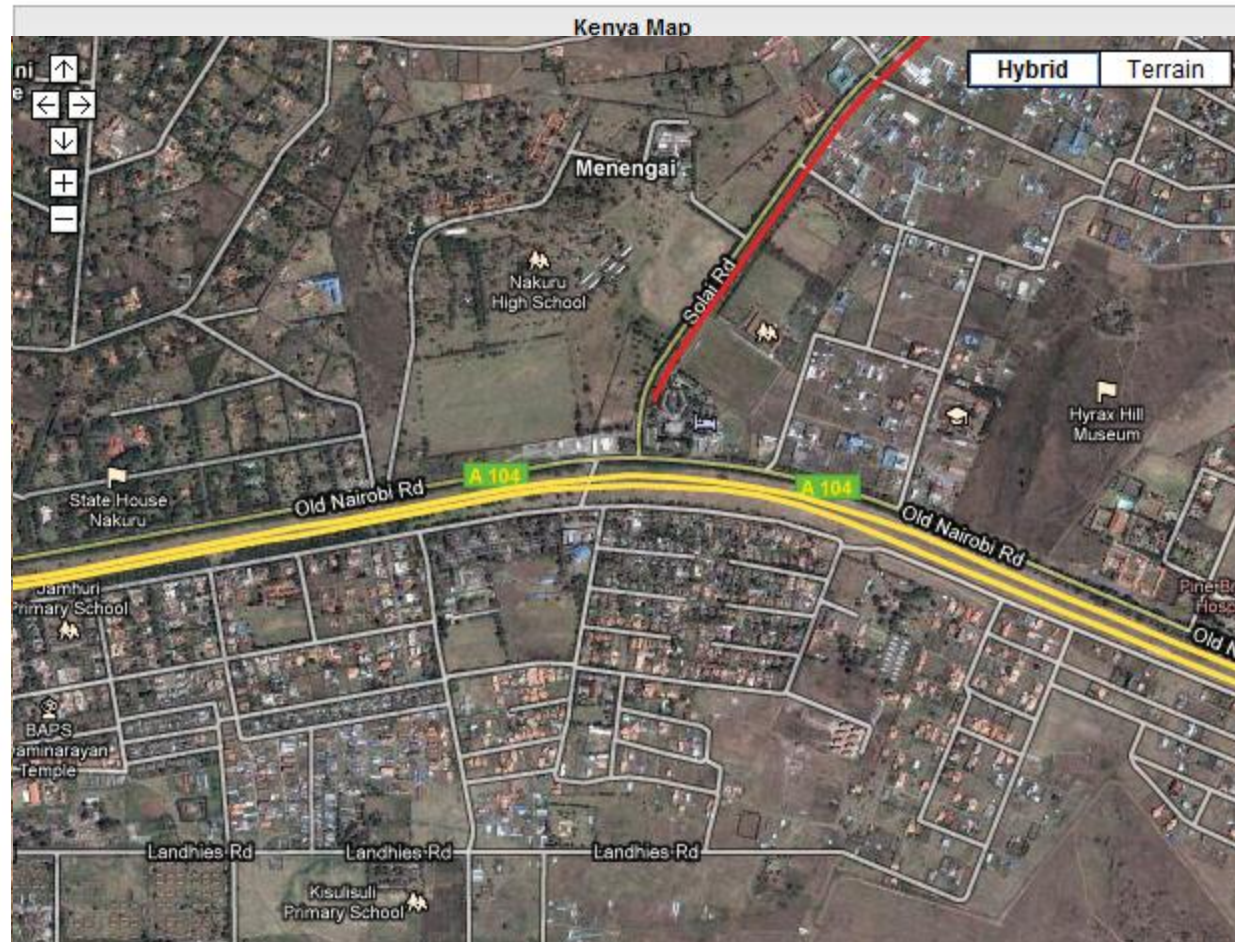
A World Free of High Risk Roads



Star Ratings

iRAP Kenya Road Safety Report

View: Car RPS Star (Smoothed) ▾



Kenya Fast Facts	
Population	37,953,840
GDP per Capita	KSh 125,921
Road Network	63265km
Fatalities (2008)	4000
Serious Injuries (2008)	44000
Est. Crash Cost	KSh 1
Traffic Mix	-



- Car occupants ✓
- Motorcyclists ✓
- Bicyclists ✓
- Pedestrians ✓

Safer Roads Investment Plans

iRAP Malaysia Safer Roads Investment Plan (summary view)

View: All roads | All sections

Countermeasures

Countermeasure Type

- Roadside Safety - Hazard
- Additional lane
- Duplication
- Shoulder widening
- Intersection - signalise
- Motorcycle Lanes
- Median Barrier
- Intersection - right turn lane
- Realignment - horizontal
- Delineation
- Pedestrian Crossing
- Roadside Safety - Barrier
- Intersection - right turn lane
- Lane widening
- Central Hatching
- Intersection - roundabout
- Pedestrian Footpath

Motorcycle lane (painted on-road)
4.776586188,100.904961

Map labels: KIBU, 76, Kampung Paya Lintah, A107, Kampung Sungai Ati, Padang Rengas, Sungai Bt Pengasah, Kampung Gapis, Lebuhraya Utara-Selatan, E1, Taman Kuala Kangsar, Pematang Ipoh, Seri Maju, Pematang Ipoh, Taman Mercu Inda, Taman Kenari, Kampung Baharu Jerlun, Kampung Goldnet Estate, Kampung Ulu Kenas, A3, Kampung Ketior.

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Selected recommendations

\$US, 20 years

Counter-measure	Country	Length / sites	Deaths and serious injuries prevented		BCR
			Number	\$ per	
Safety barriers	Kenya	200 km	13,300	\$900	21
Footpaths	Chile	530 km	6,100	\$4,500	28
Ped crossings	Costa Rica	310	3,100	\$4,000	19
Shoulders	Serbia	290 km	1,200	\$8,600	10
M/cycle lanes	Malaysia	270 km	900	\$6,000	15

Outline

- About iRAP
- iRAP approach and typical results
- **Recent global developments**

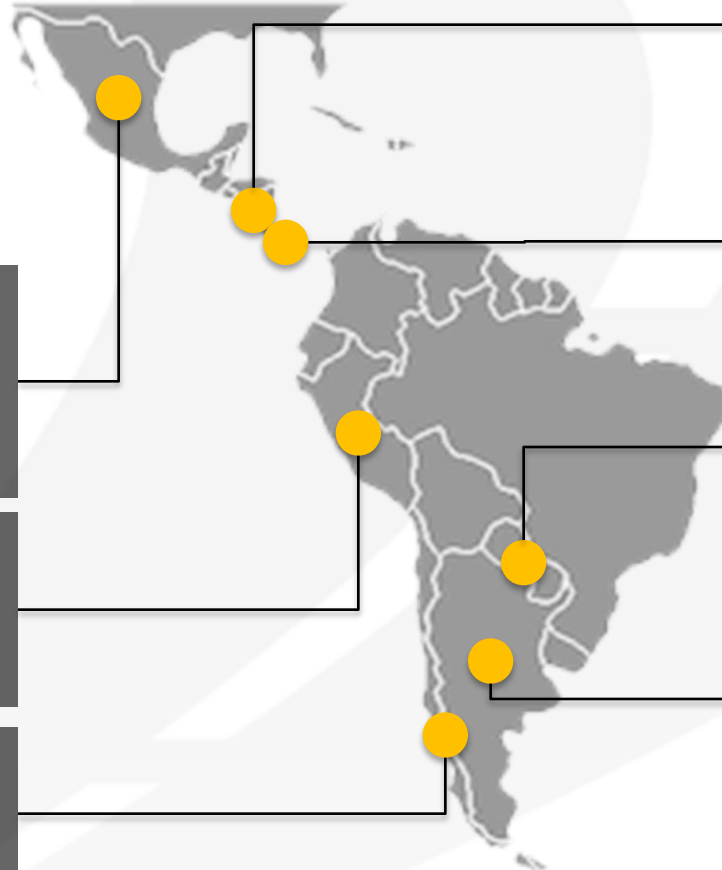
Global

- CEO: Rob McInerney (Australia)
- FIA Foundation pledges 10 year support for iRAP
- First ministerial conference calls for a Decade of Action for Road Safety
- Joint statement by development banks on infrastructure safety



Latin America and the Caribbean

Regional Director: Julio Urzua



Meso American Highway

iRAP planning to assess 3000km through 7 countries

Costa Rica

iRAP results part of major review of speed limits

Paraguay

Capacity-building project supported by IDB in 2010/11

Argentina

3,100km assessment across national and Cordoba State highways

Mexico

MOU discussions with the Departments of Health and Transport

Peru

iRAP recommendations in US\$540 project

Chile

US\$32m plan to prevent 19,000 KSI

KSI = killed and seriously injured

Asia Pacific

Regional Director: Greg Smith

China

Inspections of 2,100km of highway underway

India

Pilot project linked to US\$25 m investment

Bangladesh

Pilot project underway

Malaysia

US\$100m plan to prevent 33,000 KSI. 1st 5-day training course in 2010

KiwiRAP

10,000+ km assessed

Korea

Pilot project underway

Philippines

Major project in 2010

Vietnam

US\$195 m plan to prevent 78,000 KSI

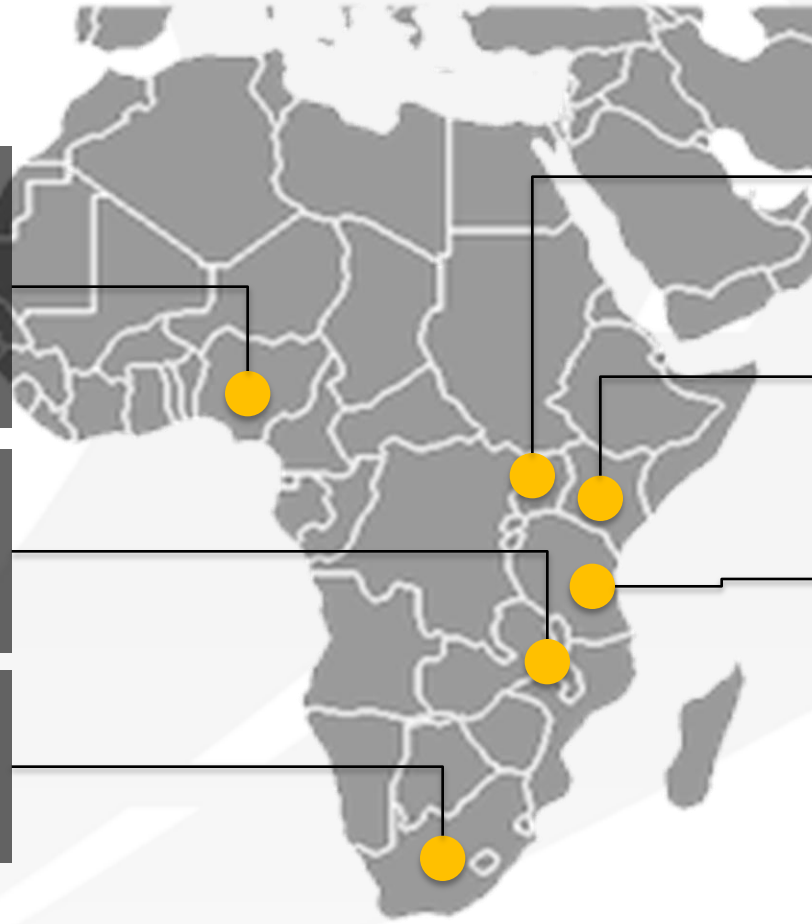
AusRAP

30,000+ km assessed

KSI = killed and seriously injured

Africa

International Director: John Mumford



Nigeria

Demonstration project completed. Proposal to extend to entire country

Malawi

Project proposal under development

South Africa

US\$60 m plan to prevent 8,300 KSI

Uganda

Project development underway

Kenya

\$US100 million plan that could cut KSI by 25%

Tanzania

MOU signed and awaiting funding

KSI = killed and seriously injured

EuroRAP

Regional Director: Jo Hill

EuroRAP

Active in 33 countries
More than 200,000km assessed

Pan European Map

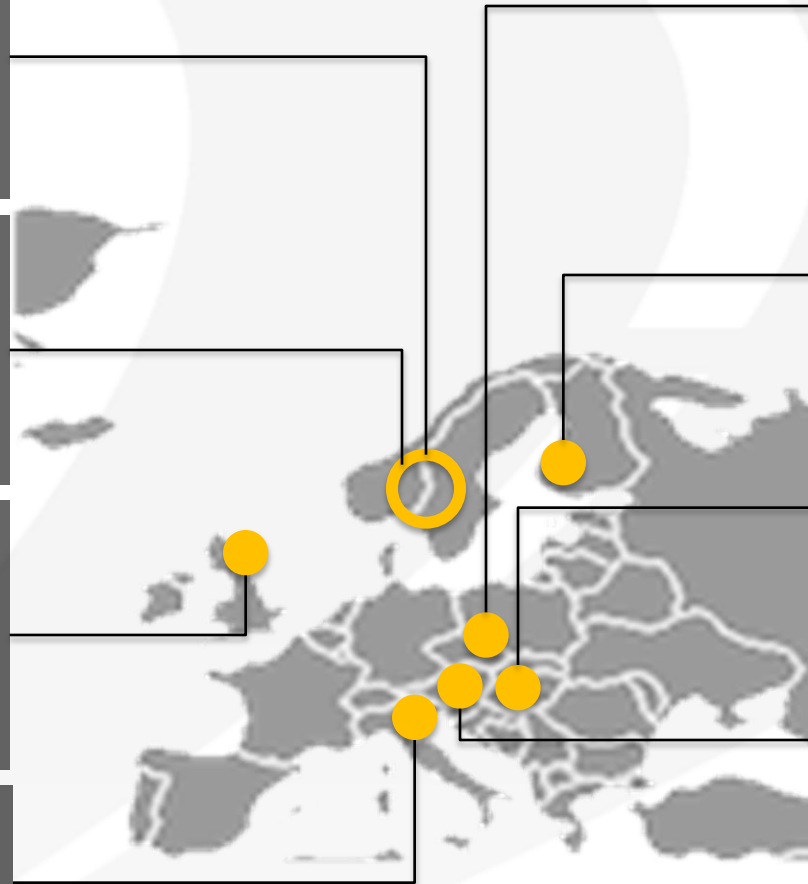
Assessment of risk across
140,000km in 15
countries

UK

Annual performance
tracking to 2020 on
50,000km rural network

Italy

'Individual' Risk Maps
now for motorways



Czech

Risk Maps for 6,500km
show 33% drop in the
number of higher risk
roads

Poland

Assessment of 17,000km
of national roads show
60% high risk

Serbia

US\$60 m plan to prevent
6,000 KSI

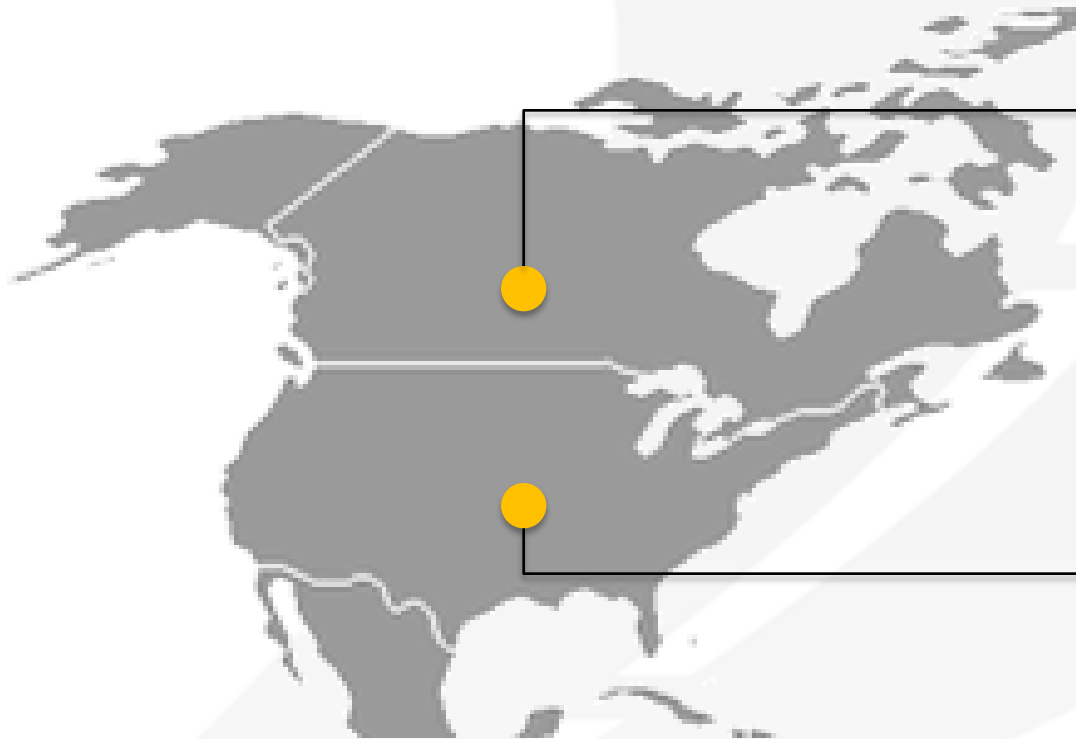
Slovenia

Risk Maps for 6,500km of
motorways, main roads
and regional

KSI = killed and
seriously injured

North America

Regional Director: Peter Kissinger



Canada

Pilot project underway

United States

Some 80,000km assessed, including validation of star ratings

KSI = killed and seriously injured



Home

Search the iRAP Toolkit



The Road Safety Toolkit provides free information on the causes and prevention of serious road crashes.

Building on decades of road safety research, the Toolkit helps engineers, planners and policy makers develop safety plans for car occupants, motorcyclists, pedestrians, bicyclists, heavy vehicle occupants and public transport users.

The Road Safety Toolkit is the result of collaboration between the International Road Assessment Programme (iRAP), the Global Transport Knowledge Partnership (gTKP), the World Bank Global Road Safety Facility and ARRB Group.

Quickfind

[Motorcyclist](#)

[Cyclist](#)

[Head on](#)

[New Car Assessment Program \(NCAP\)](#)

[Vehicle Features and Devices](#)

Stay informed

Get the latest news on road safety improvements from iRAP.



[Sign up here](#)

Did you know?



Head-on crashes often result from a steering wheel overcorrection...

Latest Case Study



Coming Soon

We're working on this site right now to bring you as much information as possible.

iRAP and a Decade of Action

3,500,000 km

Length of road assessed

1,000,000

Deaths and serious injuries that could be prevented

\$US 70,000,000,000

Annual economic benefit

For more information



The screenshot shows the iRAP website homepage. At the top, there is a navigation menu with links for HOME, ABOUT US, NEWS, iRAP FILM, LIBRARY, and PARTNER COUNTRIES, along with a CONTACT US link. The main banner features a photograph of two people walking on a road, the iRAP logo, and a green box with the text: "The International Road Assessment Programme (iRAP) is dedicated to saving lives in developing countries by promoting safer road design. Discover more about our organisation by watching a short film about our work." Below the banner, there are sections for "About iRAP", "Road Safety Toolkit", "How We Rate Roads", "Subscribe to iRAP", and "News". The "About iRAP" section lists key activities: inspecting high-risk roads, providing training, and tracking road safety performance. The "News" section includes headlines such as "EuroRAP Wins Prince Michael Award" and "Rob McInerney Appointed iRAP Global CEO". At the bottom, there are logos for financial supporters like the FIA Foundation and the slogan "MAKE ROADS SAFE" with the website URL www.makeroadsafe.org.

irap.org

John.mumford@irap.net



twitter.com/3500EachDay