European Road Assessment Programme

- EuroRAP formed as sister to EuroNCAP

- supports EU safety plan & target to cut 50,000 deaths by 50%

- radical agenda – consumer power to change roads design to stop routine death
A Safe Road System

a shared responsibility -
manufacturer, road authority and driver
Drivers

- Still big casualty gains to come from improved compliance in some countries *cf France*

- Big wins
  - seat belts, drink-drive and licence system

- But deaths static in safest countries
  - *cf 5,000 cameras in GB*
Road, Vehicle and Driver - The Balance

- Australian national strategy
  - Road improvements = 2 x driver
  - Road improvements = 2 x vehicle

- Must regulate objectively
1st Design Law

The human body cannot survive uncushioned impact of more than 40kph
Cost and Benefits

- Road engineers say €75,000 to save a life
- Governments say life worth €1m – but don’t act rationally
- National Governments control road budgets, road user payments, and regulate safety!!
- Road safety needs financially disinterested regulation
Surviving More Than 70kph

A 4-star car should protect to 70kph and 40kph for peds

Reasonable speeds kill unless car and road work as a system
EuroRAP Risk Mapping

- visualisation of risks
- benchmarking within and between countries
- informed dialogue eg speed limits; priorities
- performance tracking

Are fewer people killed on this road than before? What measures worked?
EuroRAP Road Protection Score
- Star Rating Roads

- Road Inspections
- Scoring
- Star rating
Main crash types causing death

- head-on crashes
- brutal side impacts at junctions
- crashes with roadside objects
- pedestrians
EuroRAP II

- 2 year programme 2005-2006
- Risk mapping - 12 countries
- Road inspections – 4 countries
- Performance Tracking - 4 countries
- Technical development and piloting
CARS 21 Decade

- Regulation of drivers, roads and vehicles based on objective returns
- Even handedness between the 3 components of the system
- Far more emphasis on road protection and data to improve design
  - “From Measurement to Mass Action”