Road safety: a global health & development challenge

Dr Etienne Krug

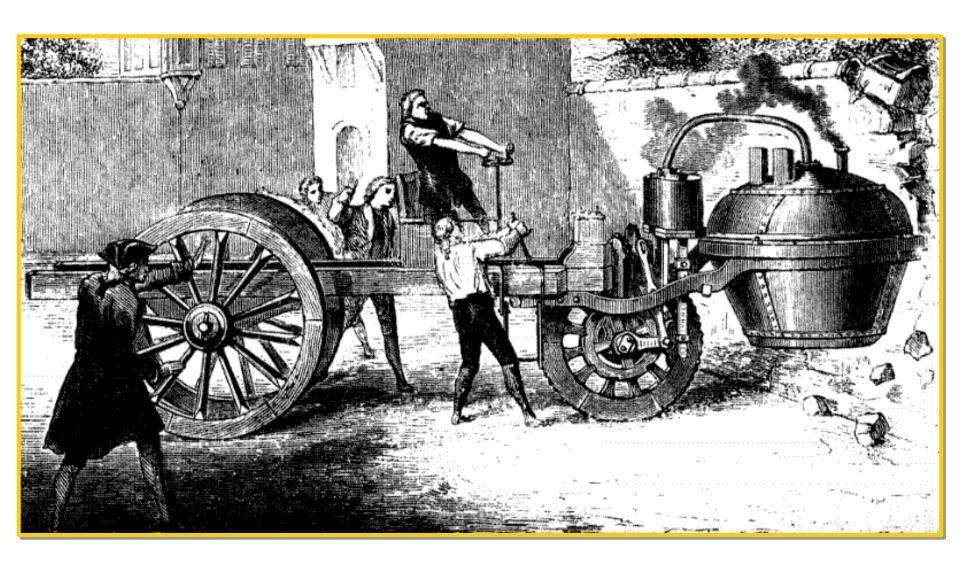
Director, Social Determinants of Health



1770: "Fardier à Vapeur"



1771: world's first (?) road traffic crash





1885: world's first (?) practical automobile "Benz Patent Motor Car"





World's first (?) recorded road traffic death 1869: Mary Ward or 1896: Bridget Driscoll



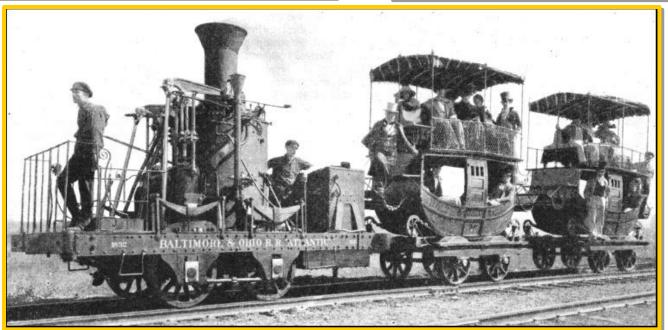














1908: world's first mass produced car "Ford Model T"























Around 50 million cumulative road traffic deaths > World War I = 1918 Spanish flu





Leading killers of children



1900: pneumonia, TB and diarrhoea

2019: road traffic crashes



> 50%

pedestrians,
cyclists,
motorcyclists,
users of public
transport



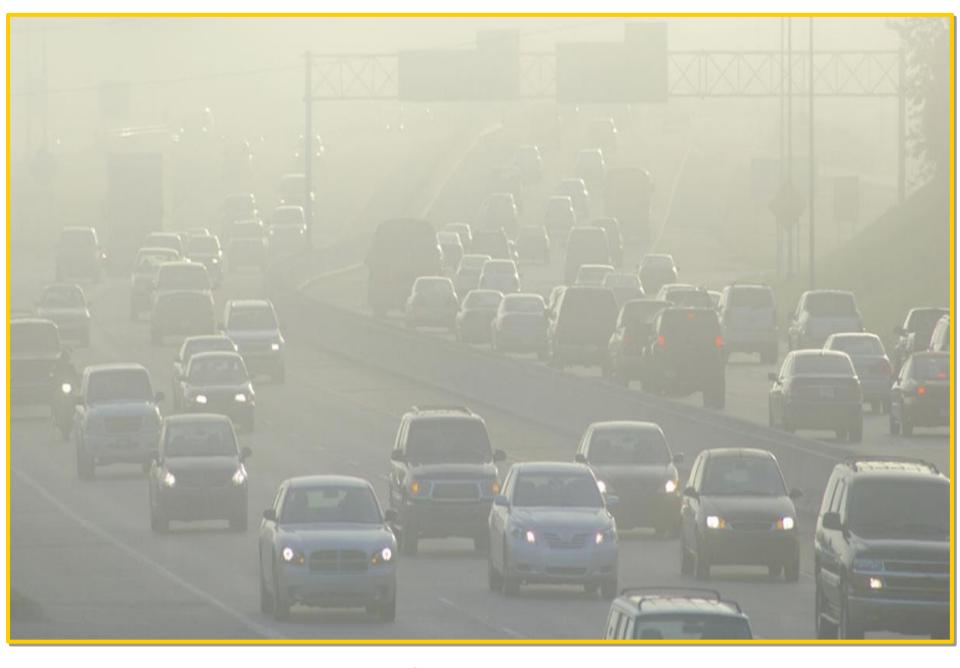




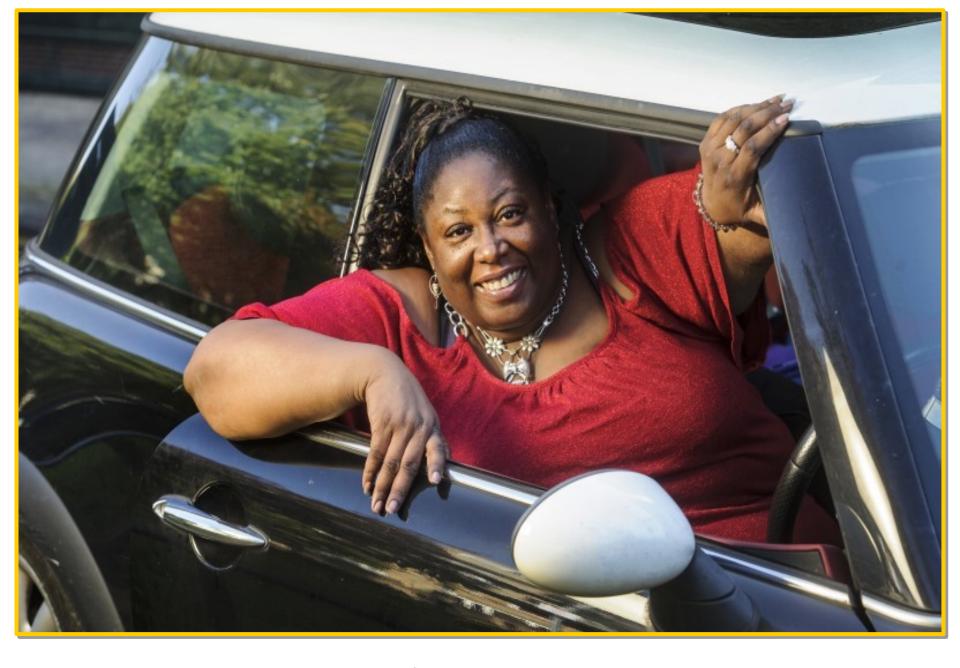
















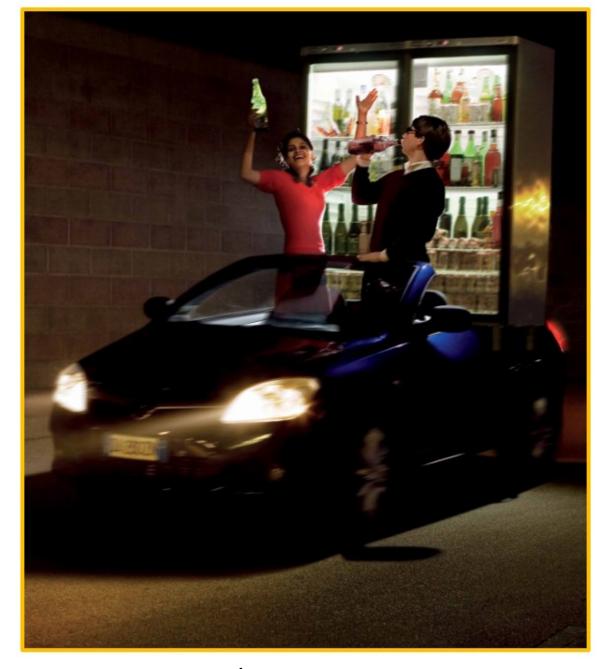


"When the people of the future look back at our century of auto life, will they regard it as a useful stage of forward motion or as a wrong turn? Is it possible that, 100 years from now, the age of gassing up and driving will be seen as just a cul-de-sac in transportation history, a trip we never should have taken?"





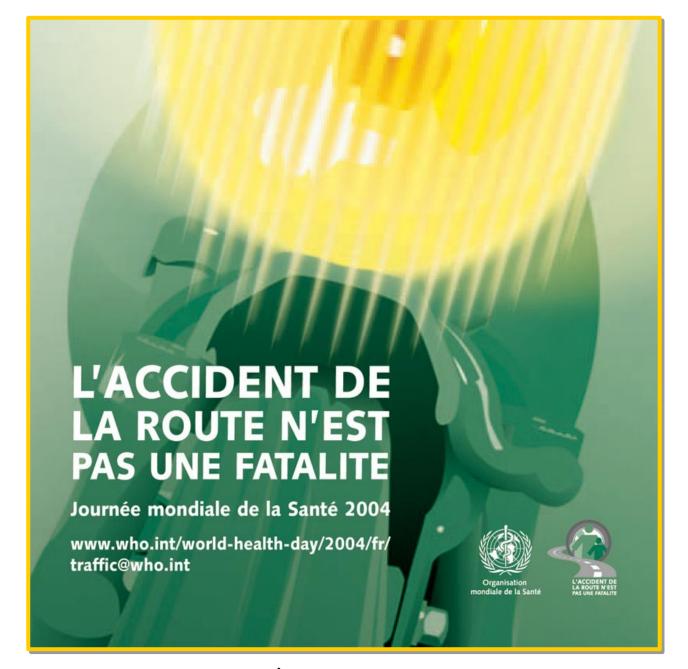














Transport

Health

Interior

Education

Finance

Foreign Affairs

Others...









1925-2018: Road traffic deaths Australia



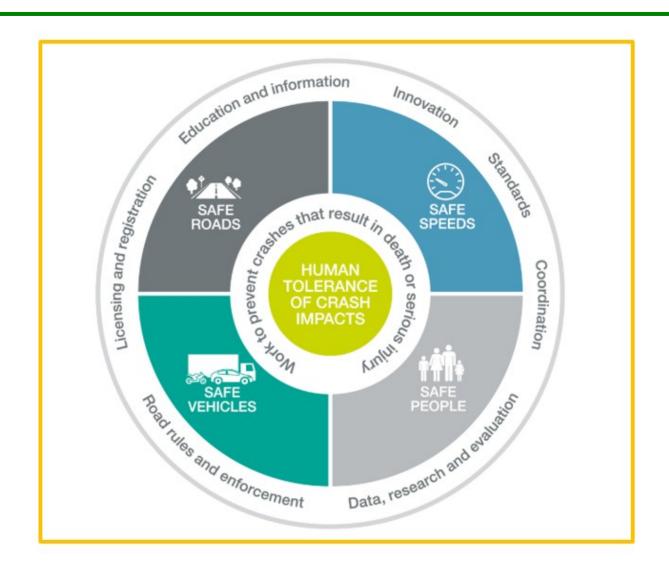


Political will





A safe system









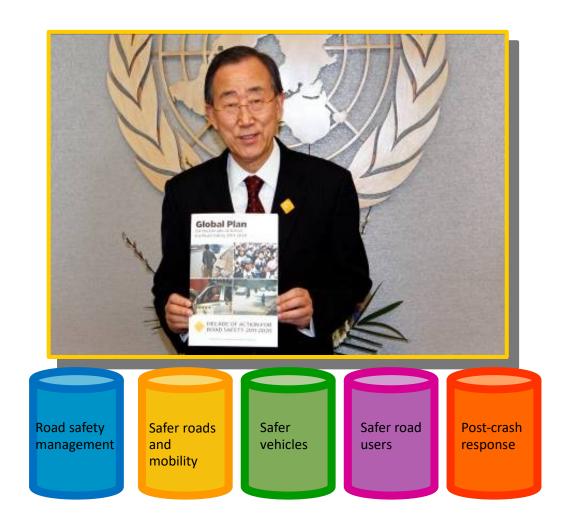








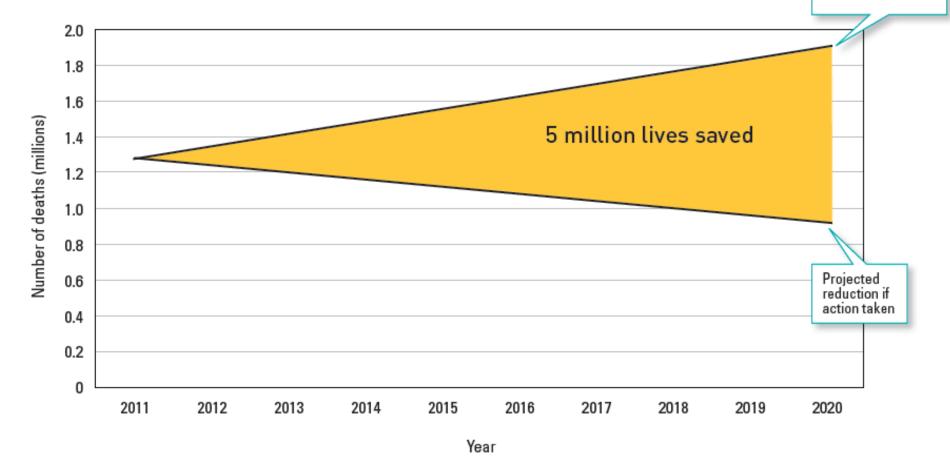
Global Plan for the Decade of Action





Decade of Action for Road Safety 2011-2020: saving millions of lives

Projected increase without action



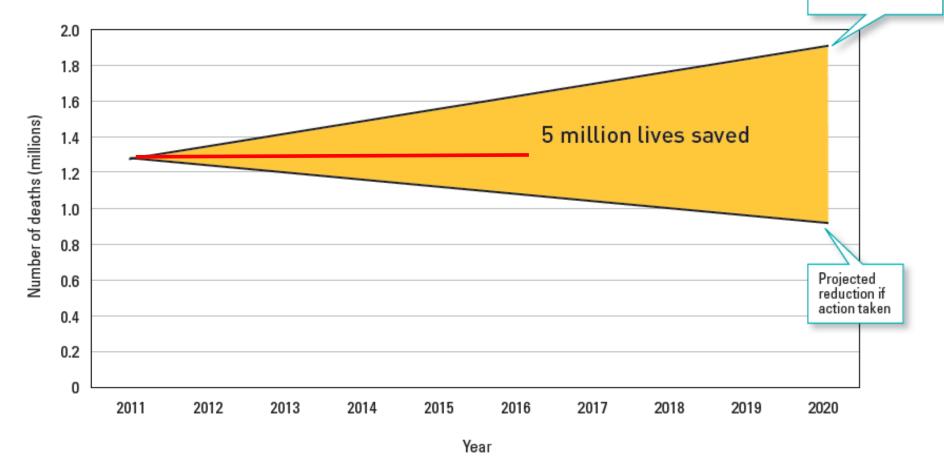






Decade of Action for Road Safety 2011-2020: saving millions of lives

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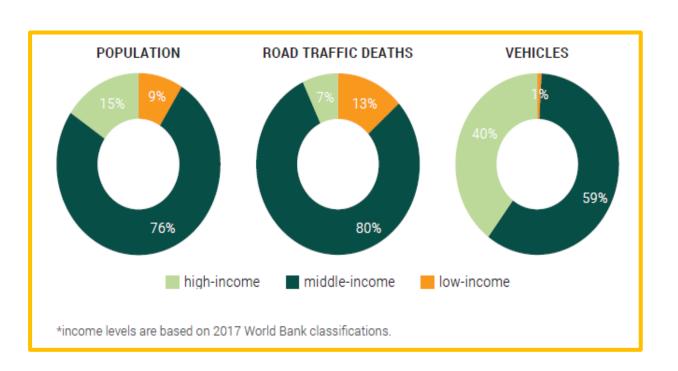






income countries decreased road traffic deaths between 2014 & 2016





Rates of death

3X

higher in low-income than in high-income countries



TARGET 3-6

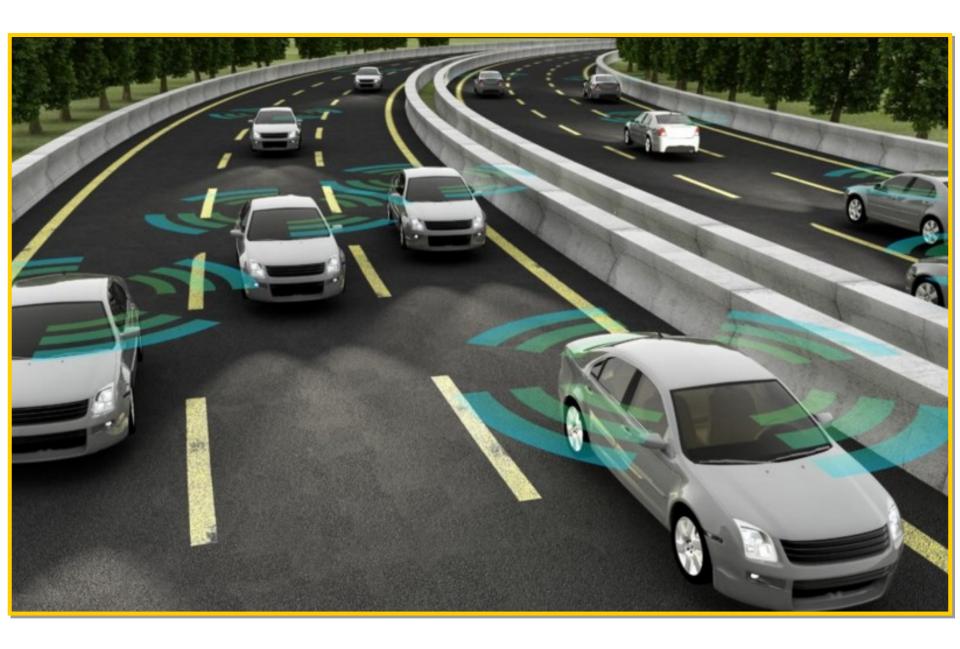


3 GOOD HEALTH AND WELL-BEING



REDUCE ROAD INJURIES AND DEATHS









Another World War or Spanish flu? We can avoid 50 million deaths!





What works

- Effective lead agency
- Good data
- Strong laws/ enforcement
- Safe vehicles
- Sound infrastructure
- Life-saving trauma care













Considerations for safe infrastructure

- Build forgiving roads; people make mistakes
- Tackle speeding
- Address needs of ALL road users
 - children (including routes to/from school)
 - older people
 - people with disabilities
- Prioritize active/healthy transport
 = protect pedestrians & cyclists
- Ensure new roads 3 star or better
- Inspect existing roads
- Upgrade high risk locations
- Provide access to safe public transport



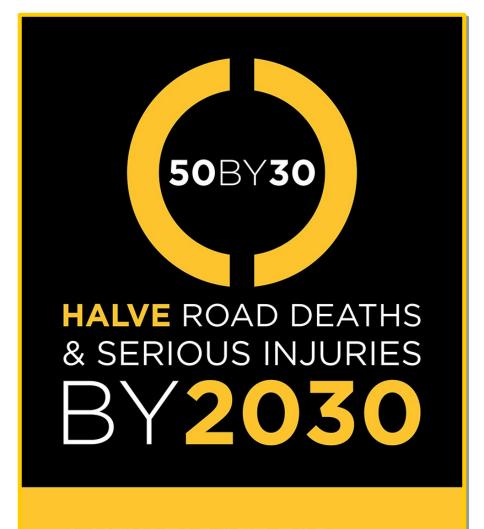






ACHIEVING GLOBAL GOALS STOCKHOLM 19-20 FEB 2020





A NEW TARGET FOR A DECADE OF SDG ACTION FOR ROAD SAFETY



Some recommendations

- Shift to safe & active transport modes
- Address speeding
- Respond to needs of children
- Accelerate development of technology
- Engage private sector





From a century of unsafe, dirty & passive transport to a century of safe, clean & active transport



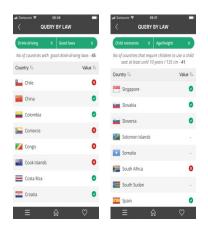


Mobile App: WHO GRSInfo

Country Data



Queries



Comparisons





Thank you!

https://www.who.int/violence_injury_prevention/road_traffic/en/



