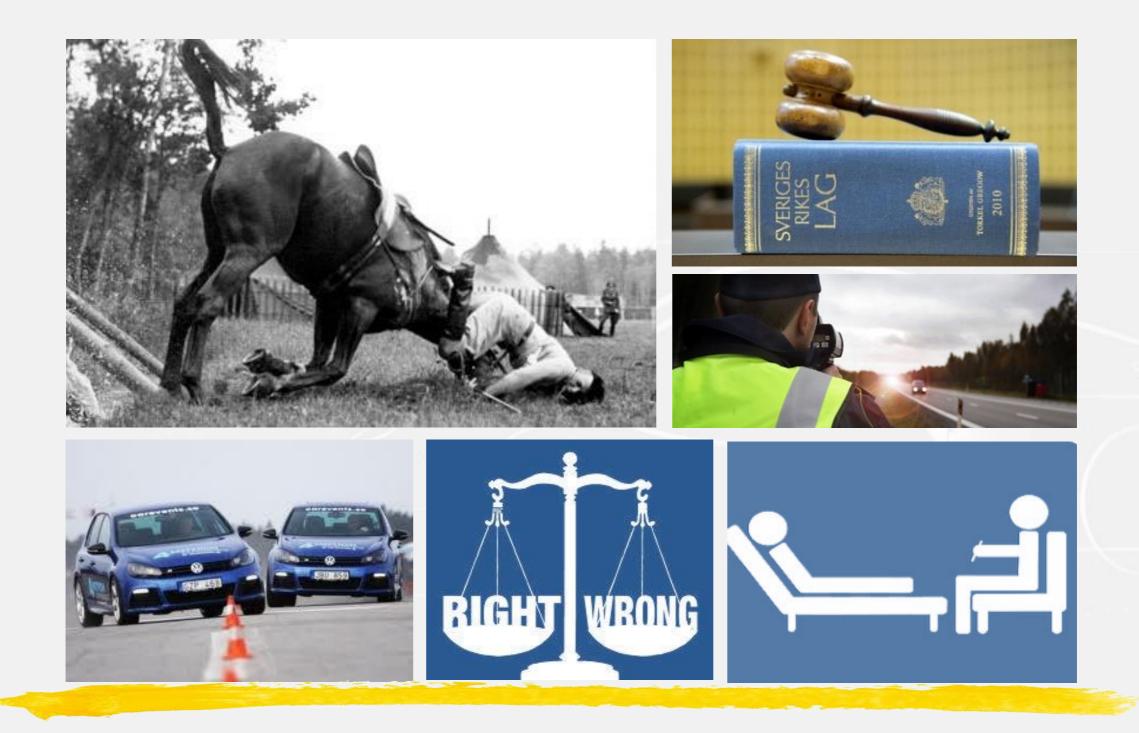




Going downstream (or simply finding the victim)







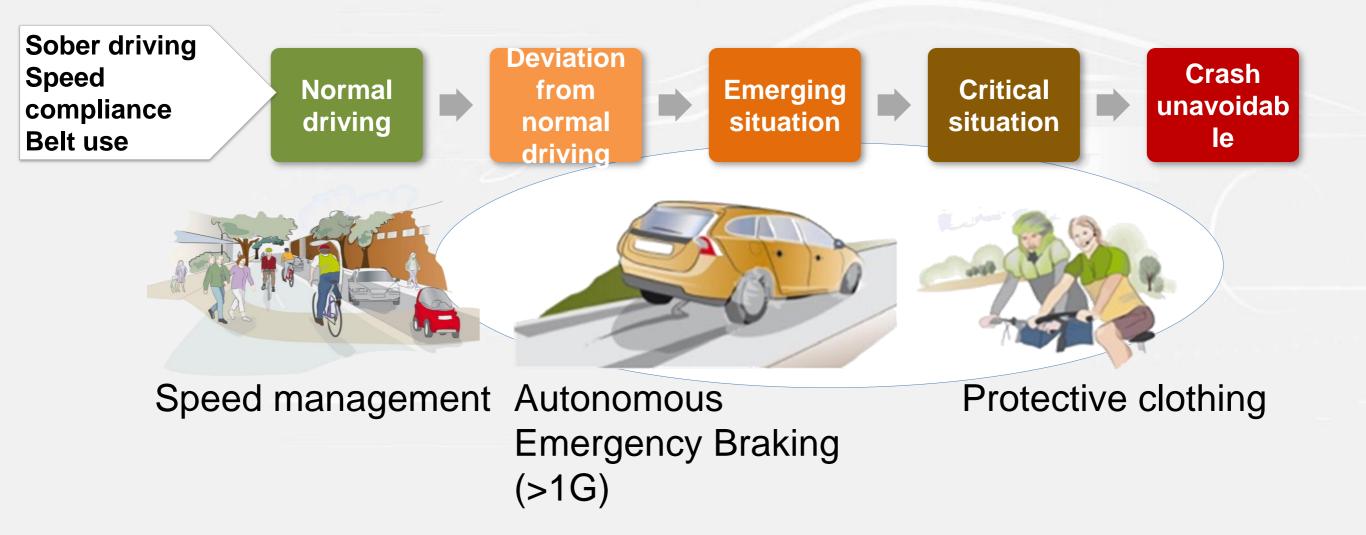
Going upstream (or simply finding the systemic prevention)





Combined effect

~ 95 percent injury reduction





minimum 3500 Euro/meter

1995 300 mill Euro invested; 1 less fatality/year



F

Livlina på E4 Beslutsprocess för trafiksäkerhet Sven-Olov Larsson Sonja Forward Sanja Obrenovic



Väg- och transportforskningsinstitutet

VTI notat 47-2002 Kostnadsuppföljning av mötesfri väg

Resultat från en enkät till Vägverkets regioner

2+1 road: 150 Euro/meter

= 23 times

FörfattareJörgen LarssonFoU-enhetTransportsäkerhet och vägutformningProjektnummer50386ProjektnamnKostnadsuppföljning av mötesfri vägUppdragsgivareVägverketDistributionFri



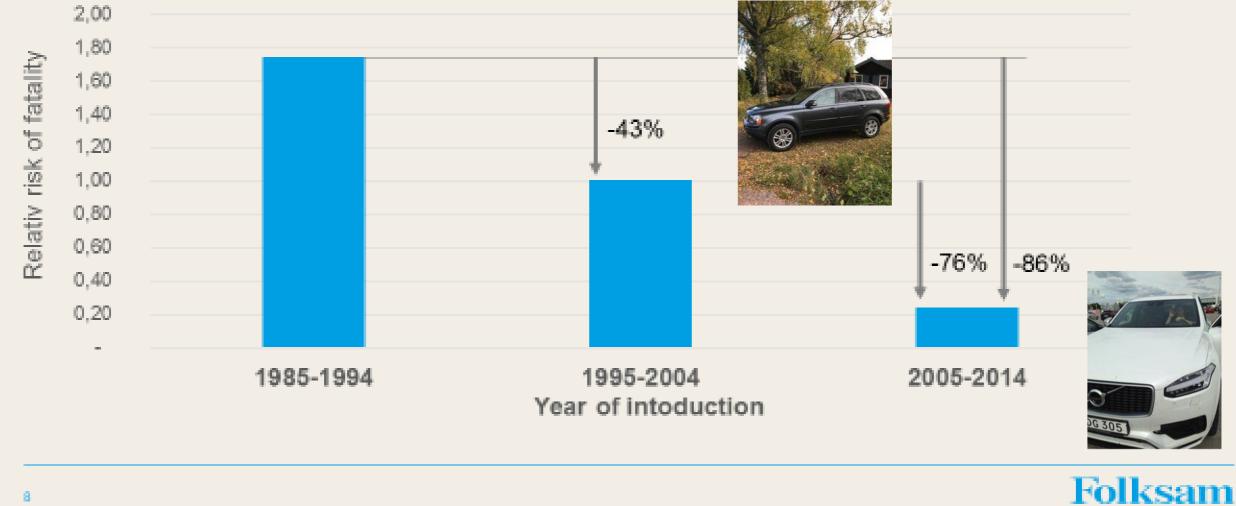




8

Development in risk of fatality

Cars with year of introduction 1995-2004 colliding with other cars





Volvo 855 SE 2,5 1995 237 000 = 301 000 2018

Airbag driver only No ESC No radar No camera Euro NCAP 0 stars

Volvo V60 Momentum D4 2019 317 000

6 airbag systems ESC Autonomous braking for frontal/rear/animal/ pedestrian/cyclist Autonomous emergency steering Euro NCAP 5 stars



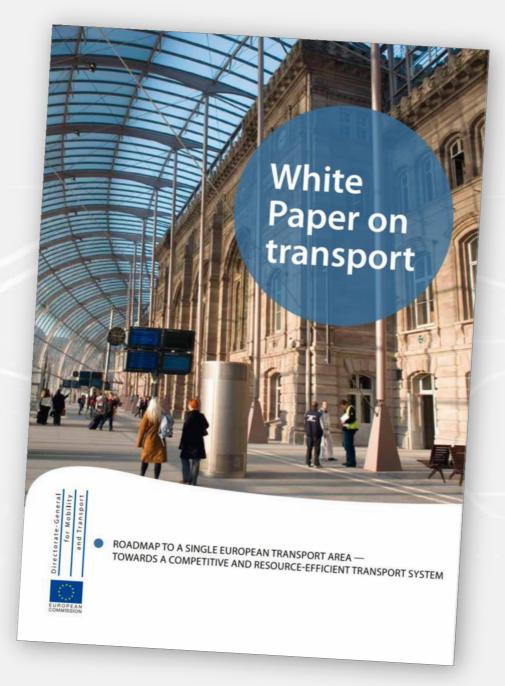
Ethics Responsibility Scientific methods Driving forces and systematic development Innovation

= Vision Zero

99

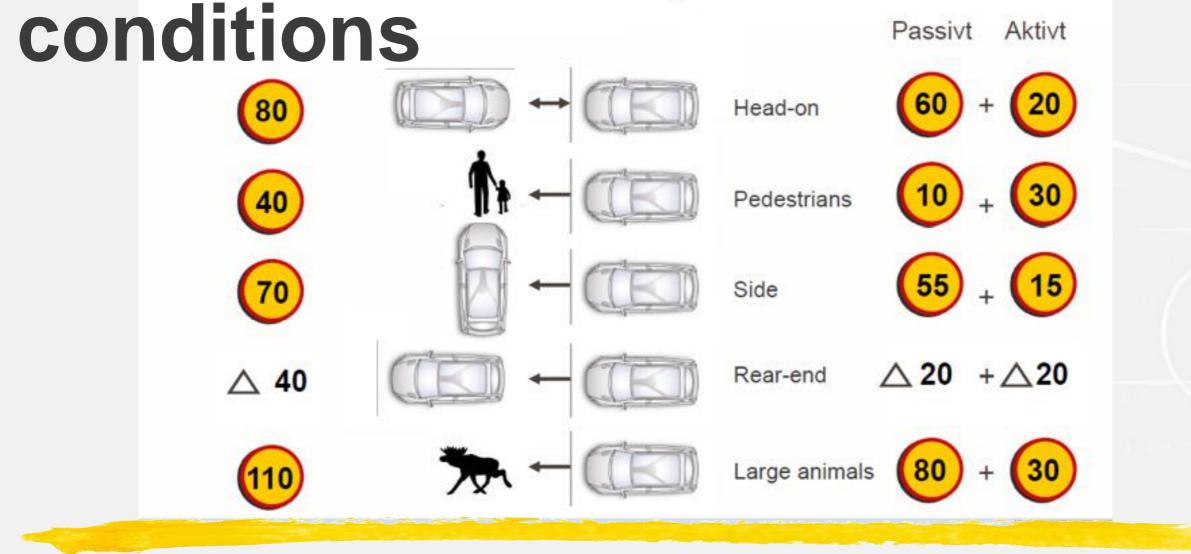
By 2050, move close to **zero fatalities** in road transport. In line with this goal, the EU aims at **halving road casualties** by 2020.

Make sure that the EU is a **world leader** in safety and security of transport in **all modes of transport**.





Joint effort to define boundary



Sustainable – not just more



- Compact and space efficient
- Fossil free
- Silent
- Clean air
- Safe
- Mobility for all
- Affordable
- Shared economy
 - ...and new technologies





Geofencing "ISA" that limits speed and access only for certain vehicles



