Vision Zero In Sweden

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VISION ZERO
TOGETHER WE
SAVE LIVES

SWEE



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The road transport system is an open and complex system

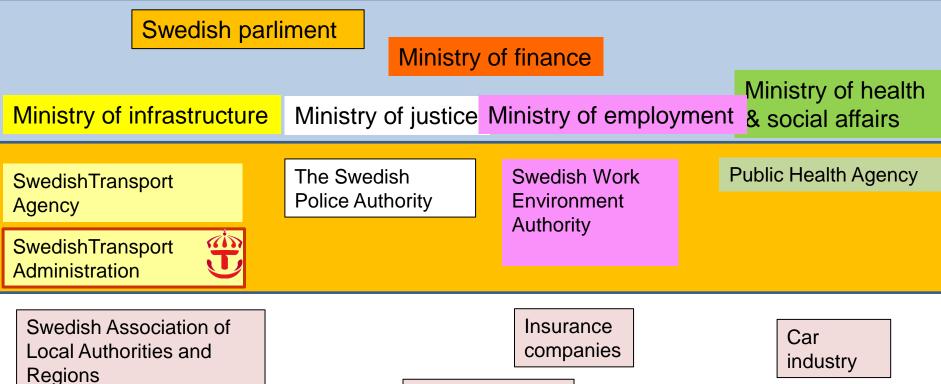
- Infrastructure
- Vehicles
- Road users
- Transports of goods ad passengers
- Road users on duty
- · Companies and organisations
- Rules and regulations
- Enforcement
- Etc.











SWEDISH ASSOCIATION FOR ROAD TRANSPORT COMPANIES Swedish National Road and

Transport Research Institute The National Society for Road Safety



Swedish transport administration

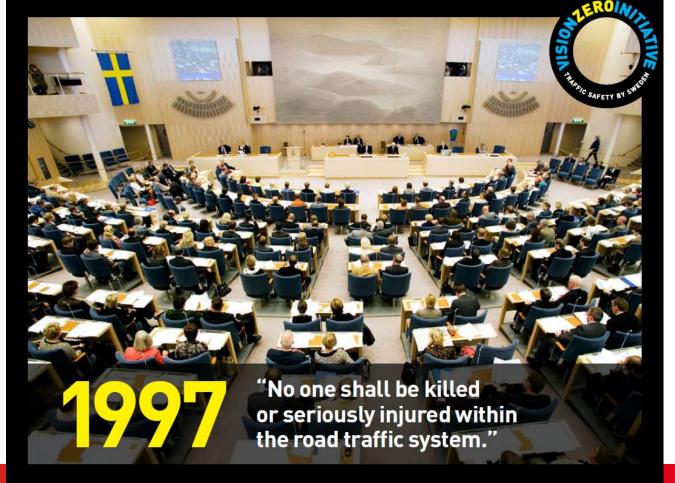
- Planning, building and maintenance of the national road and railroad system
- Maintaining an efficient and sustainable transport system Traffic safety
- Lead the Swedish traffic safety work together with other authorities and other stakeholders



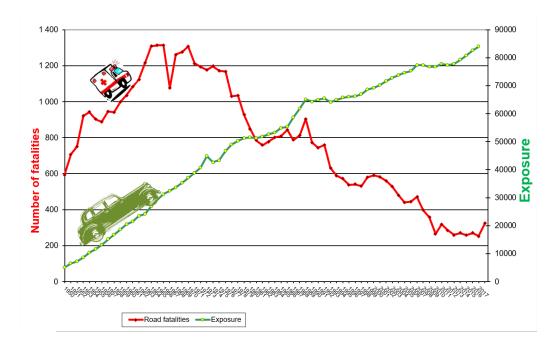




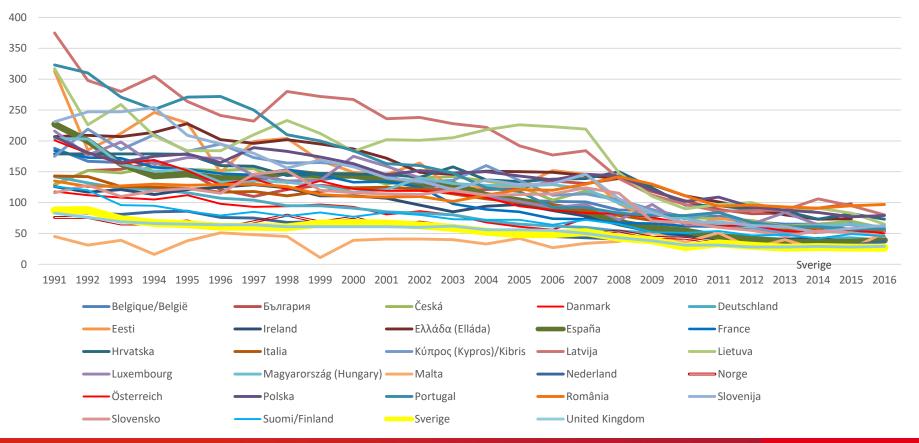




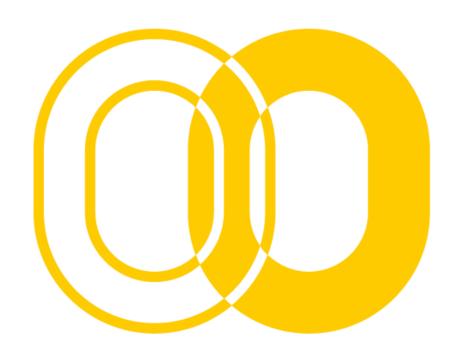




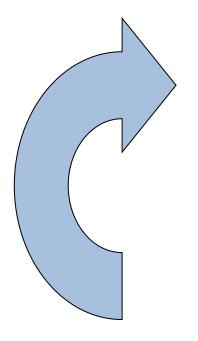
Death per inhabitants







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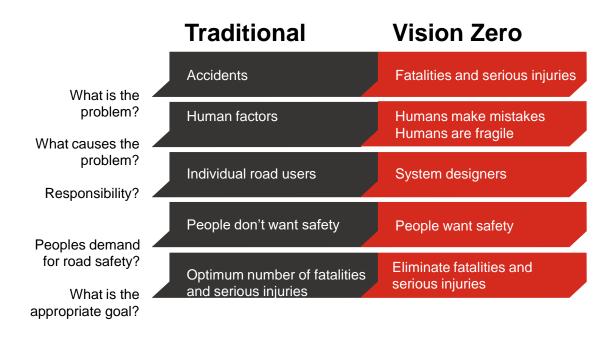
Shared responsibility

System designers are responsible for the design, operation and the use of the road transport system and are thereby responsible for the level of safety within the entire system.

Road users are responsible for following the rules for using the road transport system set by the system designers.

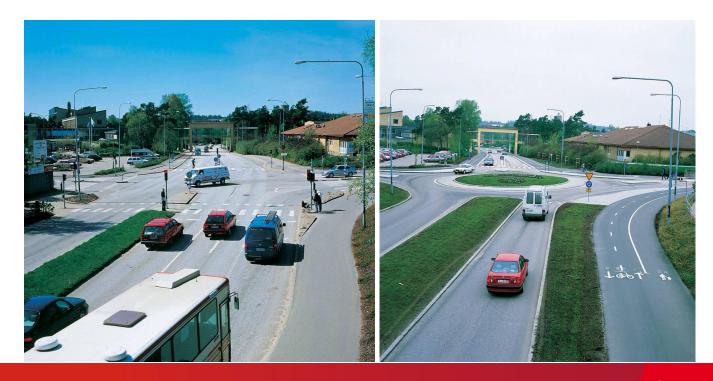
If the users fail to comply with these rules due to a lack of knowledge, acceptance or ability, the system designers are required to take the necessary further steps to counteract people being killed or injured.

The Swedish Vision Zero - Policy Innovation





Intersections to roundabouts

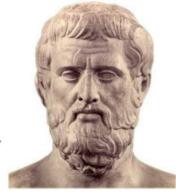




Vision Zero



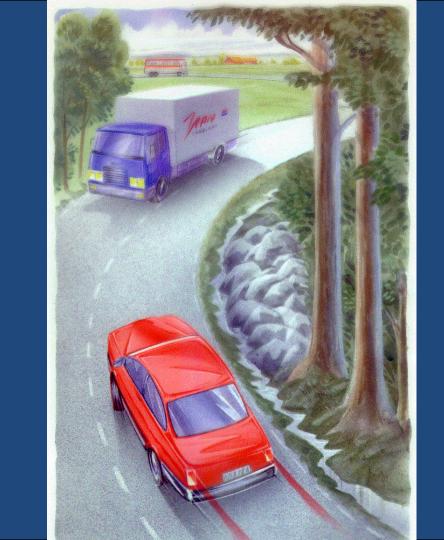


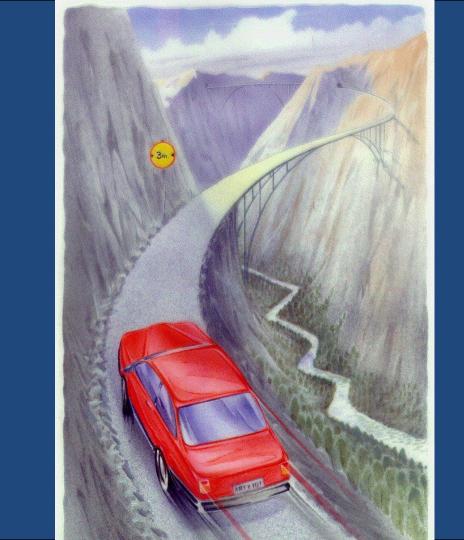


- Humans have a biomechanical tolerance
- Nobody is perfect we all make errors or mistakes sometimes
- All crashes should be survivable
- The road transport system needs to absorb such errors/mistakes, and to handle the impact energy in an crash

Why is it so hard to understand the danger of speed?









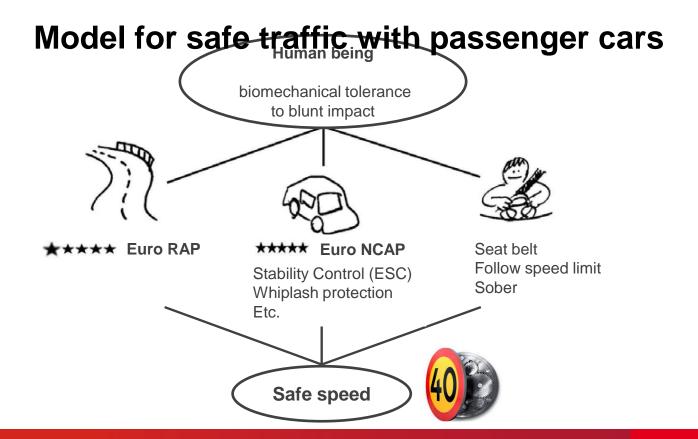


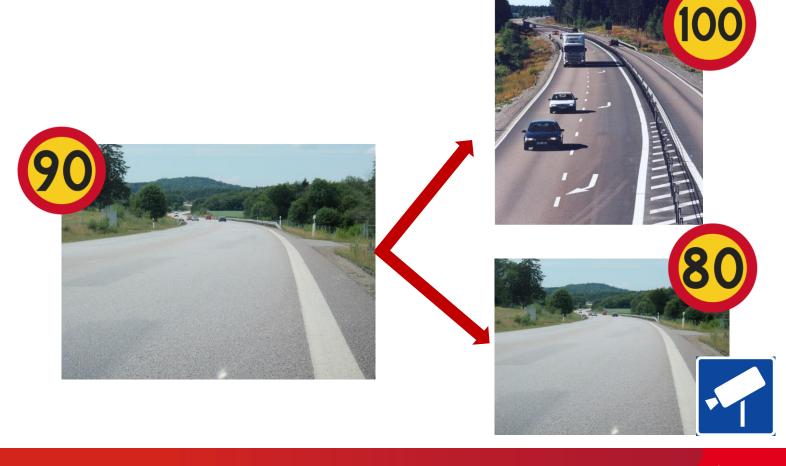


Identify the safe system











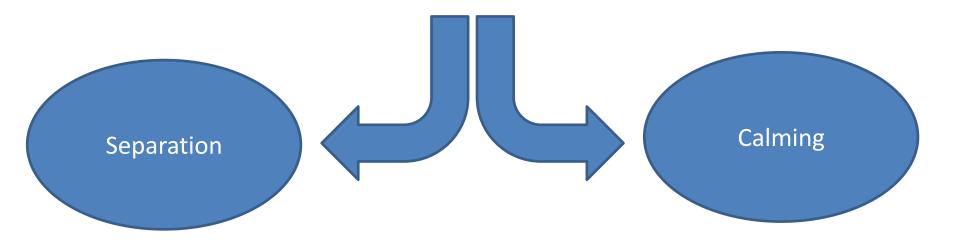
the safe system







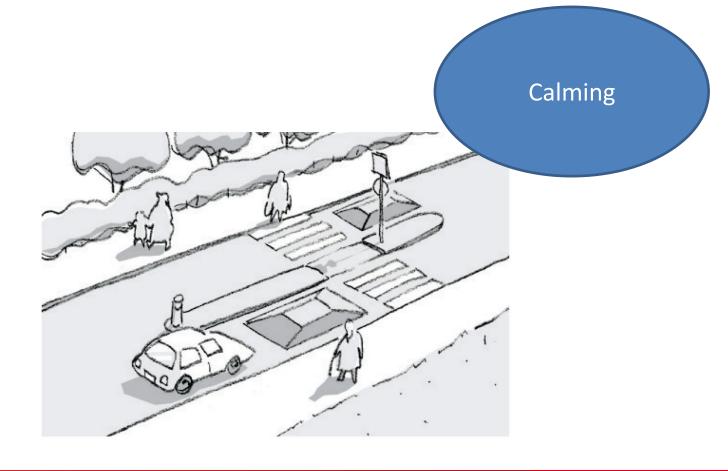
Pedestrians crossing roads and streets



Separation







Indicator	Starting point	2018	Target for 2020	Trend
Number of road traffic fatalities	440	324	220	Not in line with the required trend
Number of seriously injured	5 400	4 200	4 100	In line with the required trend
Share of traffic volume within speed limits, national road network	43%	45%	80%	Not in line with the required trend
Share of front seat passenger car occupants wearing a seat belt	96%	98%	99%	Not in line with the required trend
Share of moped riders using a helmet correctly	96%	93%	99%	In line with the required trend
Share of new passenger cars with the highest Euro NCAP score	20%	76%	80%	In line with the required trend



Indicator	Starting point	2018	Target for 2020	Trend
Share of traffic volume within speed limits, municipal road network	64%	67%	80%	Not in line with the required trend
Share of sober drivers	99,71%	99,73%	99,90%	Not in line with the required trend
Share of bicyclists with helmet	27%	42%	70%	Not in line with the required trend
Share of traffic on roads with Speed limit above 80km/h and roads with mid-barrier	50%	77%	90%	Not in line with the required trend
Share of safe crossings for pedestrians and bicyclists	19%	27%	35%	Not in line with the required trend
Share of municipalities with high quality on maintenance on cycle paths	18%	36%	70%	Not in line with the required trend
Increased motorcycle behaviour	-	-	-	Not yet measured, goal not set
Systematic traffic safety work in line with ISO 39001	-	-	-	Not yet measured, goal not set



Results of the re-launch of Vision Zero

Leadership and cooperation

Interim targets for 2030

- Fatalities in road traffic accidents
- Suicides in road traffic
- Severely injured

Reduced speed limits

Increased international engagement





Action plan 2019-2022

An action plan is being produced that contain approximately 1 from 15 stakeholders.

- Speed
- Sober driving
- Safe cycling

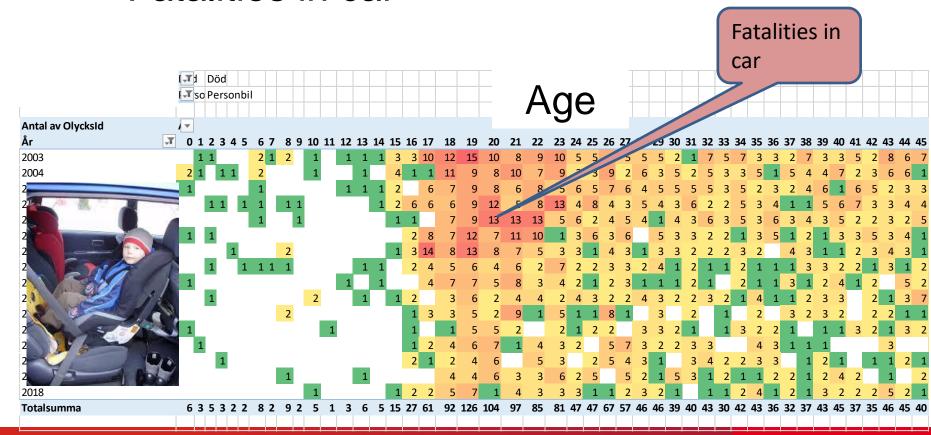


Renewed commitment to Vision Zero

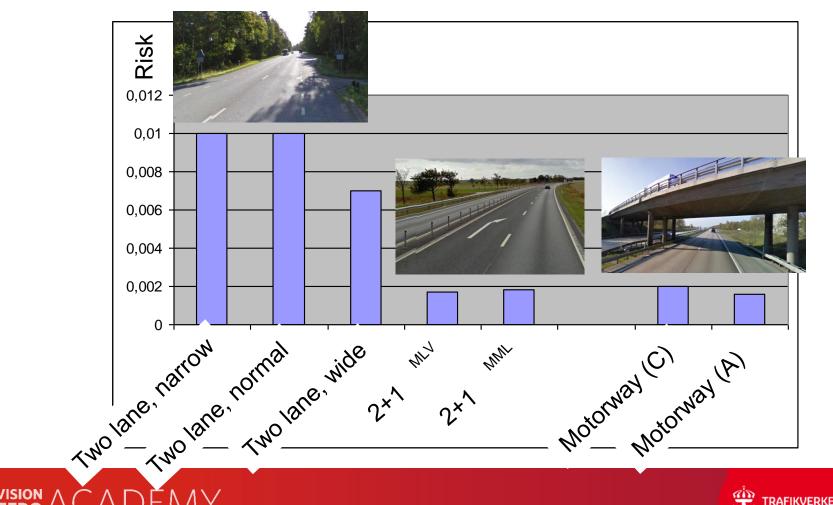
- Firmly establish and reinforce work that is already delivering results
- Clearer leadership and coordination of the work is importa
 - Swedish Transport Administration The Lead Agency
 - Quantified Targets
 - Collaboration among different stakeholders
- Focus on vulnerable road users
- Utilize automation and digitalization for safety



Fatalities in car











































Traffic safety

Health

Sustain-ability



THE GLOBAL GOALS

For Sustainable Development



By 2020, halve the number of global deaths and injuries from road traffic accidents



Strengthen the capacity of all countries, in particular developing countries, for early warning, risk reduction and management of national and global health risks



By 2030, provide access to safe, affordable, accessible and sustainable transport systems for all, improving road safety, notably by expanding public transport, with special attention to the needs of those in vulnerable situations, wemen, children, persons with disabilities and older persons



Encourage companies, especially large and transnational companies, to adopt sustainable practices and to integrate sustainability information into their reporting cycle



Promote public procurement practices that are sustainable, in accordance with national policies and priorities

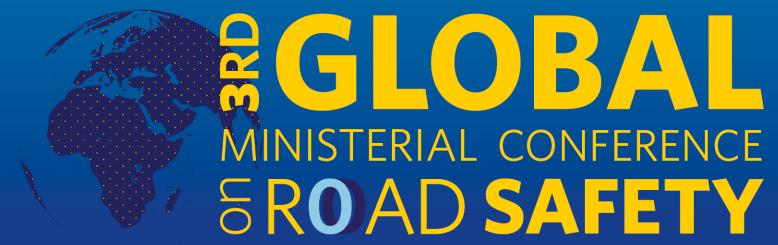


Summary

- Humans have a biomechanical tolerance
- Nobody is perfect we all make errors or mistakes sometimes
- The road transport system needs to absorb such errors/mistakes, and to handle the impact energy in an crash
- Speed is energy and energy is the key factor
- Safe speed can only be achieved with a combination of countermeasures that support and complete each other







ACHIEVING GLOBAL GOALS | STOCKHOLM 19-20 FEB 2020





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Thanks

