





International Conference on Road Safety Education Abu Dhabi, UAE 2017 November 1st & 2nd

Technical assistance in Criminal Justice System for protecting Road Safety

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RoadSafety



Outline

- 1. Key facts for Road Safety at a glance
- 2. Requirements for perfect Road Safety legislation
- 3. Requirements for perfect police in Road Safety matters
- 4. Requirements for perfect justice in Road Safety matters
- 5. Need for an interdisciplinary approach
- 6. Requirements for perfect Road Safety prevention

Key facts – Road Safety worldwide

- 1. About 1.25 million people die each year on the world's roads.
- 2. Almost 50% of people dying on the world's roads are vulnerable road users like cyclists and pedestrians.
- 3. Only <u>17 countries</u> have amended their laws to bring them into line with best practice on one or more key risk factors for road traffic injuries in the last three years.
- 4. Work in Road Safety is teamwork and has to save lives.

Key facts - Road Safety work is influenced by ...

Education

Enforcement

Toward Vision Zero

Vision is mission!

Engineering

Prevention

Key facts – Partners and stakeholders of Road Safety

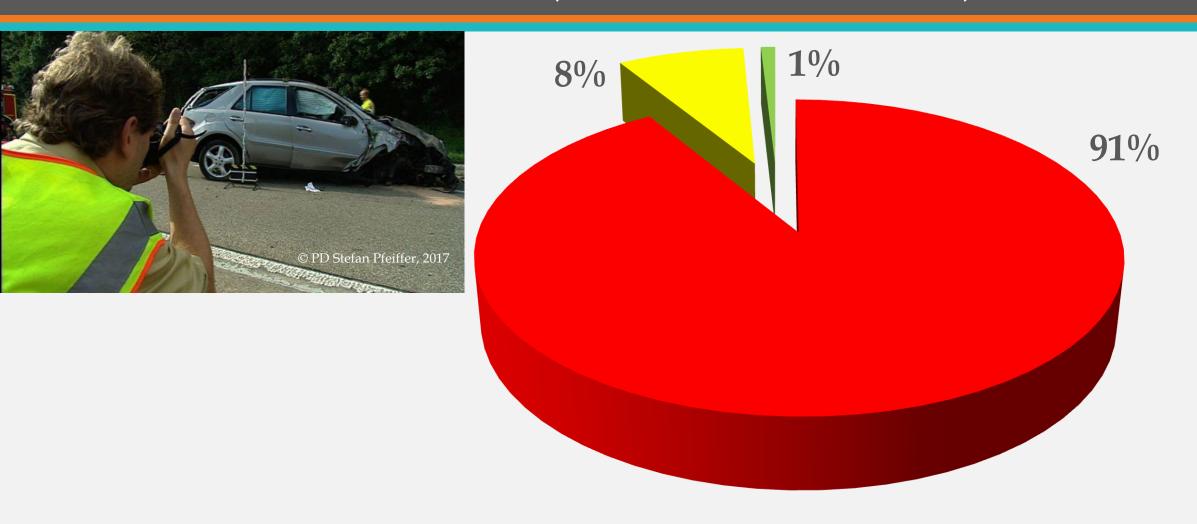
Other institutions and people

Automotive industry and economics

Councils and associations

Government and politics (federal and local)

Main causes for personal injury road accidents German data 2016 (all 16 federal states)



Driver failures
Road environment

Dangerous vehicles

First problem of road safety = The driver

55.480 (1.)

51.055 (2.)

45.735

48.730

24.032

16.232

13.327

58.178 (1.)

53.947 (2.)

49.522 (3.)

45.888

24.997

15.979

13.011

57.975 (1.)

53.361 (2.)

50.667 (3.)

47.024

24.763

16.629

12.660

2016

58.034 (1.)

53.510 (2.)

51.221 (3.)

47.023

25.187

16.477

12.875

German data 2013 – 20	016 (all 1	16 feder	al states	
Police reported violation type for personal	2013	2014	2015	,

	_	_	
Police reported violation type for personal	2013	2014	
injury road accidents			

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Fail to turn right or left, improper u-turn,

failure by leaving a parking position

Using wrong part of the road

Drunk and drug driving

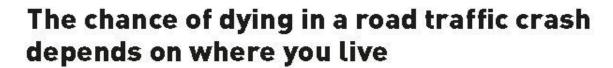
Wrong behaviour towards pedestrians

Fail to stop

Tailgating

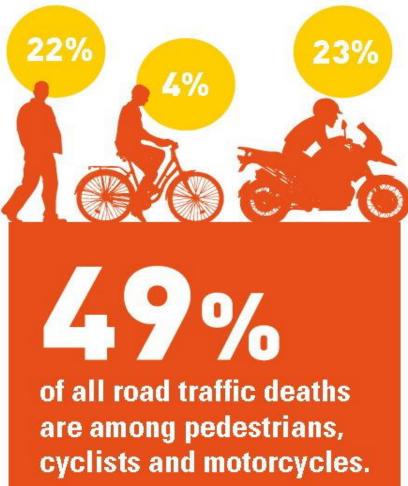
Speeding

Death rate by road accident WHO 2015



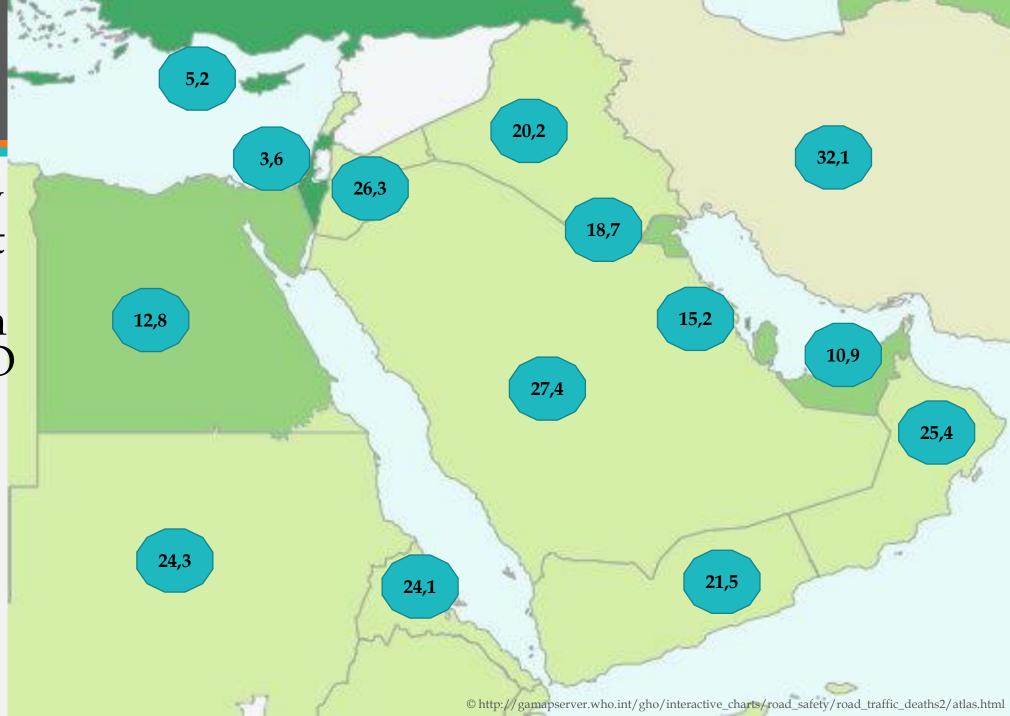


Road traffic fatalities per 100 000 population



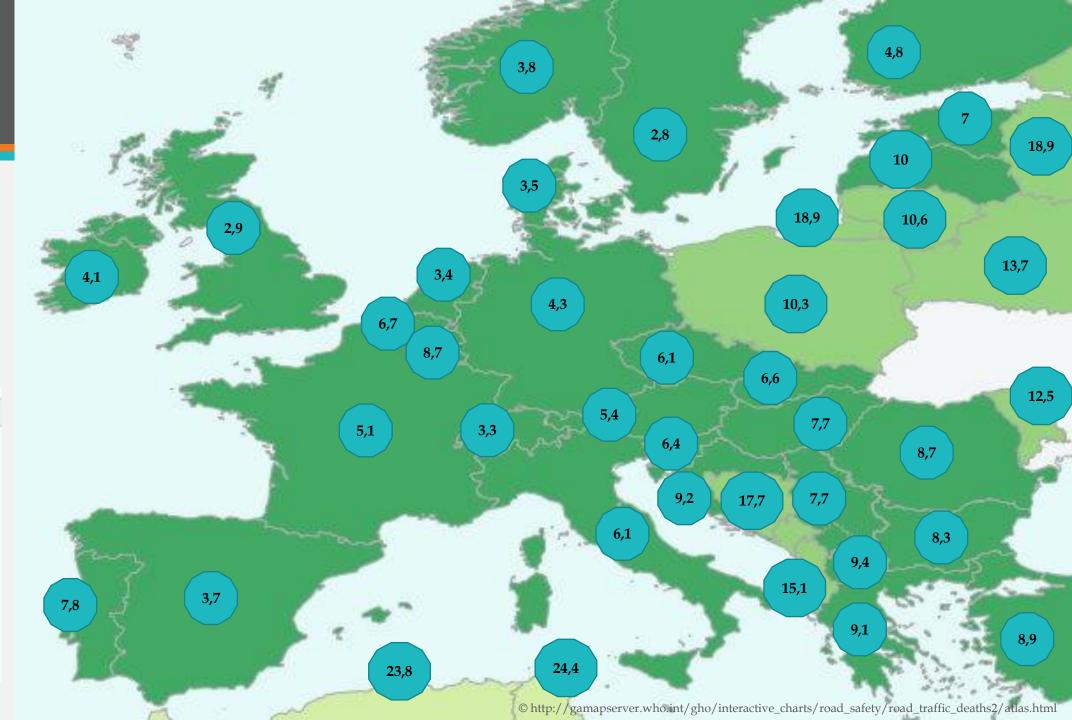
Death rate by road accident per 100.000 population in Arabia (WHO 2013)



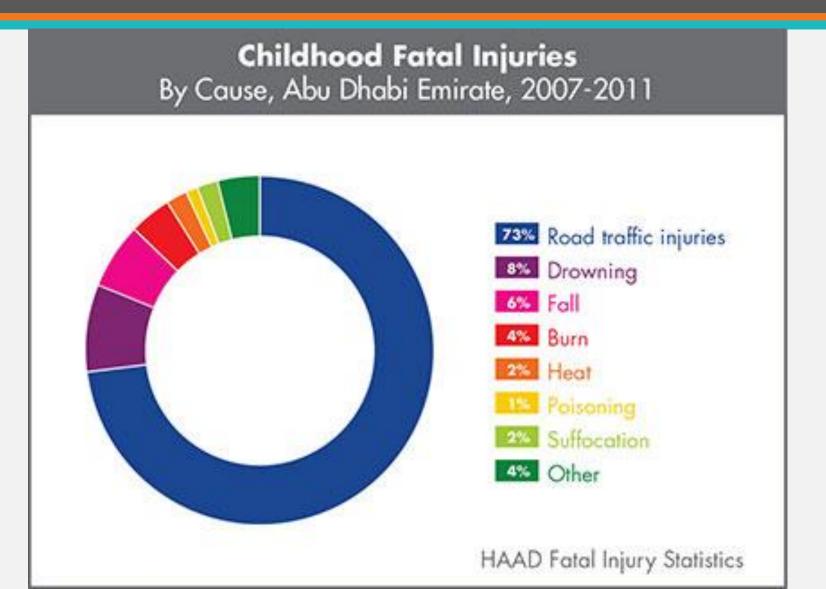


Death rate by road accident per 100.000 population in Europe (WHO 2013)





Key facts and consequences



Key facts and consequences

- 1. If we have to face a lot of complex problems, we have to focus on <u>main causes of accidents</u> and <u>most vulnerable road users</u>.
- 2. If we have to enforce to many drivers, we have to use helpful and accurate <u>traffic monitoring</u> <u>systems</u> and to figure out the <u>most dangerous</u> <u>drivers</u>.

Requirements for perfect road safety legislation – monitored, enforced and decided

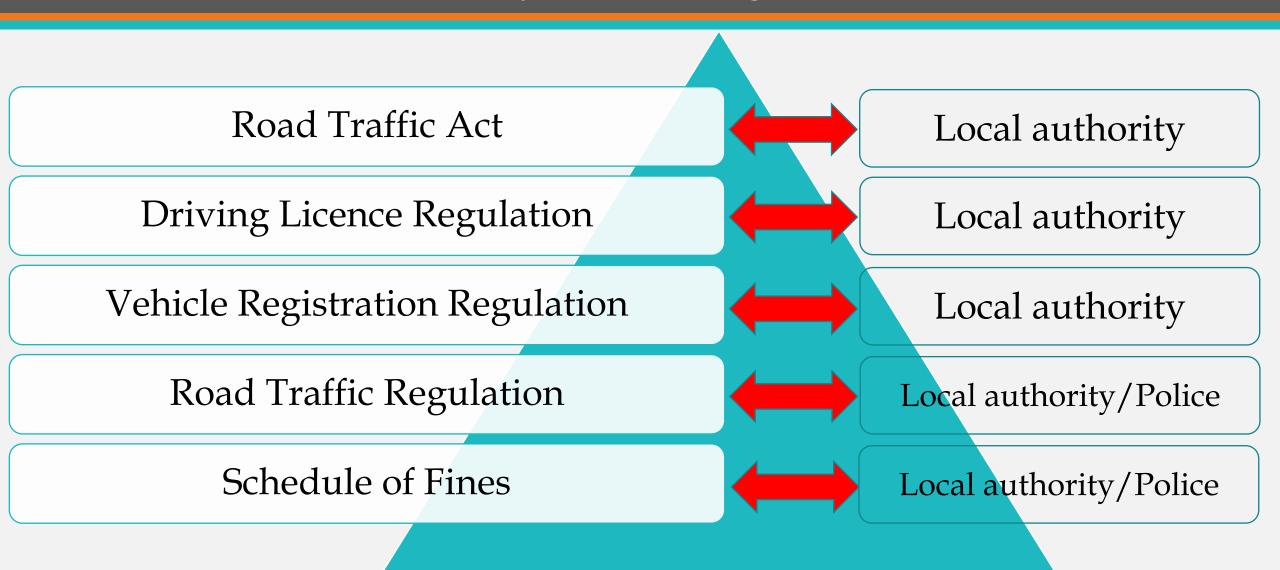
Police Local authority **Teamwork** Court of justice Prosecutor

Requirements for perfect road safety legislation – designed for road users

Legislation has to be designed for reducing road traffic injuries!

- Therefore perfect road safety legislation should be ...
- 1. <u>useful</u> and <u>fair</u> to handle for all road users,
- 2. easy to <u>understand</u>, <u>well known</u> and <u>accepted</u>,
- 3. easy to enforce and to prove,
- 4. violations must be easy to judge.

Requirements for perfect road safety legislation – Competent authority monitoring and enforcement



Requirements for perfect Road Safety legislation

- 1. Highest fines for offences with biggest safety risks.
- 2. Good balance between rule, offence and fine = easy to enforce and harsh to fine.
- 3. Immediately consequences for driver faults in point system for driving license.
- 4. Responsibility for car owners according to offences committed with their car.
- 5. Law for confiscating cars of criminal offenders.

Obligation message § 2 Abs. 12 German Road Traffic Act

Obligation message from police to local authority (department of driving license) for driver assessment

Information about possession or consuming of illegal drugs

Information about alcohol misuse or abuse

Information about aggressive behaviour on the roads and outside the roads

Information about driving relevant diseases

Obligation message § 2 Abs. 12 German road traffic act

Police gets information of ...

Enforcement



Obligation message

Accident engineering



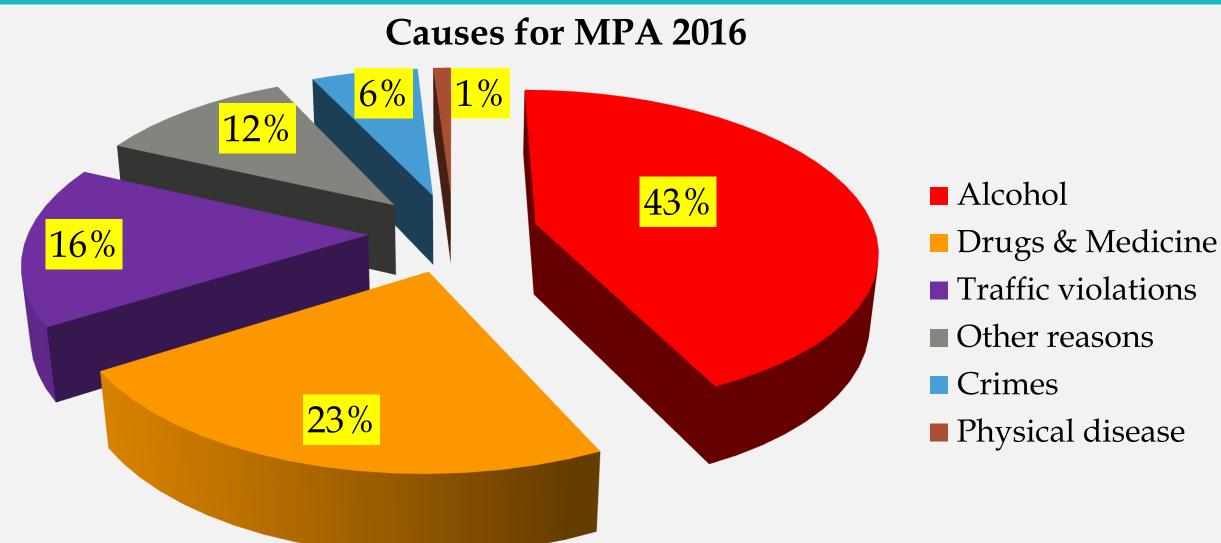
Obligation message

Other policing activities

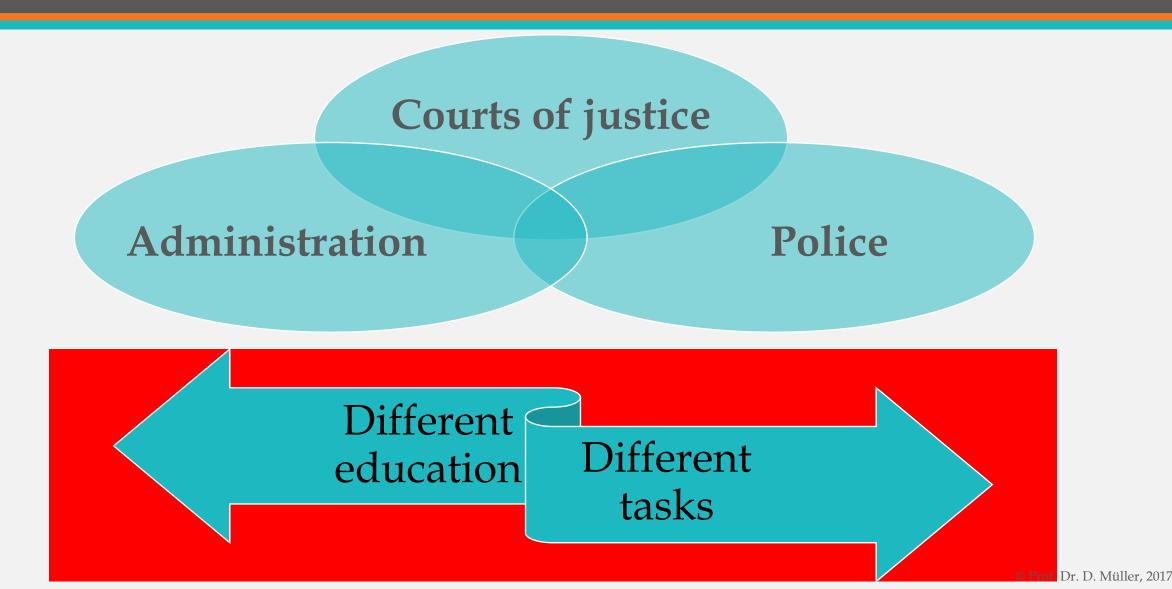


Obligation message

Medical-psychological Assessment



Requirements for perfect road safety legislation – main problem is lack of teamwork



Requirements for perfect police in road safety matters



Requirements for perfect police in road safety matters







Driving faults reasons?

Violations obviously and hidden

Accidents obviously and hidden, black spots

Requirements for perfect police in road safety matters



Requirements for perfect Road Safety justice



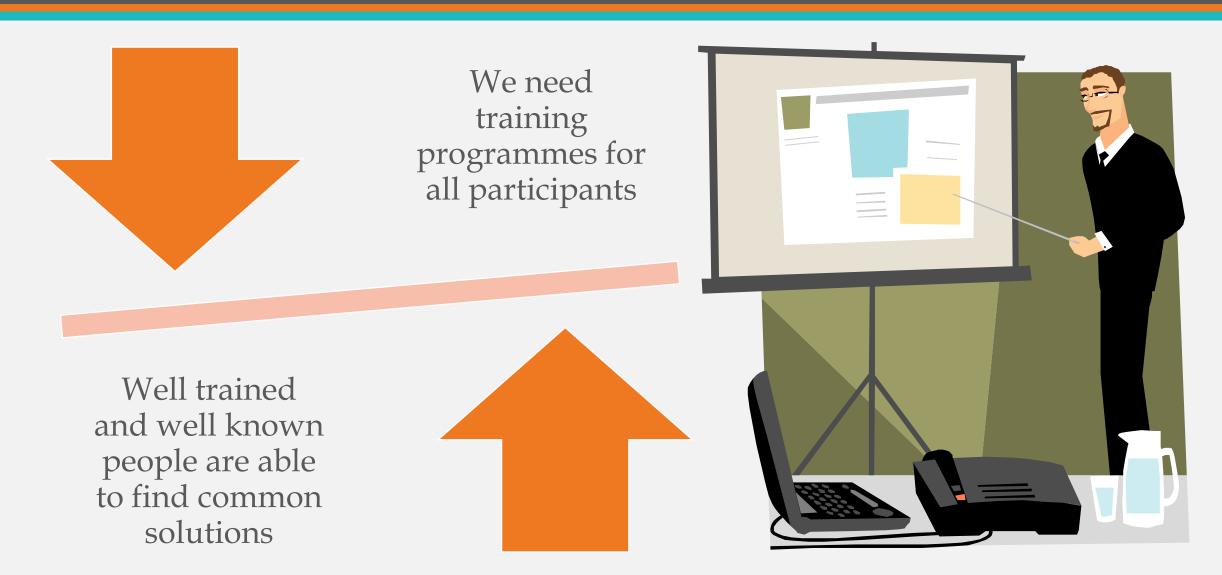
Judges and procurators (coroners) need ...

- 1. Special law studies in Road Safety
- 2. Special interdisciplinary studies and trainings after finishing law school
- 3. Internship in the fields of police and local authorities.
- 4. Continuing interdisciplinary training and discussion courses with doctors, psychologists, engineers, police and local authorities.

Organizations and consequences

- 1. If <u>legislation</u> isn't focussed enough on Road Safety, it is to <u>strengthen</u>.
- 2. If there is not enough staff, best qualified staff is needed.
- 3. If best results are needed, <u>best practise</u> has to be installed.
- 4. If Road Safety staff don't understand each others knowledge and tasks, they have to <u>learn together</u> about each other by theory and practise.

Organizations and consequences



Interdisciplinary approach

Road Safety staff must have the basic knowledge of...

Medical conditions of driving, which depends on:

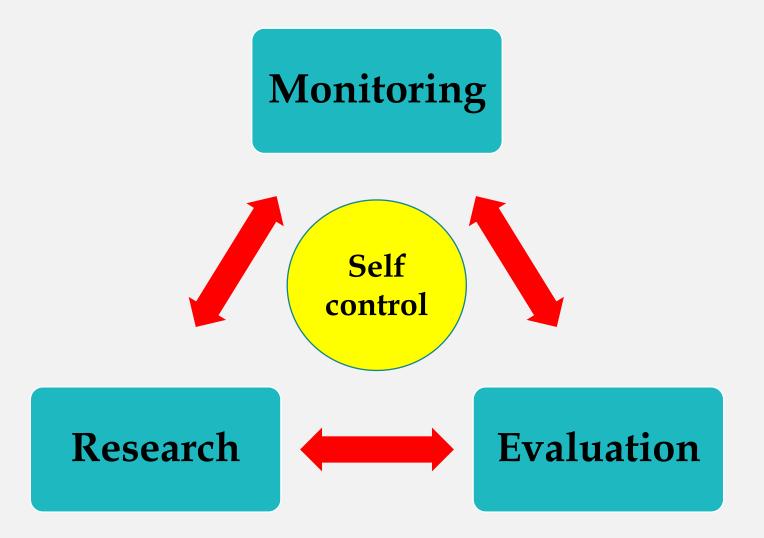
- 1. Vision and hearing.
- 2. Attention and concentration.
- 3. Memory and good reaction time.
- 4. Muscle power and control.
- 5. Cardiology, neurology, psychiatry, diabetes, substance misuse and dependence.
- 6. Especially senior and disabled drivers.

Interdisciplinary approach

Road Safety staff must have the basic knowledge of...

- Psychological conditions of driving, which depends on:
- 1. Insight and understanding of driving process.
- 2. Judgement and decision of driving.
- 3. Planning and organisation of driving.
- 4. Ability to self-monitor the driving abilities.
- 5. Sensation seeking and risky driving.

Interdisciplinary approach



Policing partners are ...





German Road Safety Council

Board

(honorary)

28 elected members, 6 Chair of committees

Committees

Adult Road Users

Children

Vehicles

Legal Advisory
Group

Infrastructure

Young Drivers

Traffic Medicine

Partners of the Social Accident Insurance



German Road Safety Association (DVW)

- Non-profit organisation for Road Safety
- Established since 1924
- Programmes are funded by
 - the German Federal Ministry of Transport and Digital
 - Infrastructure
 - members
 - sponsors





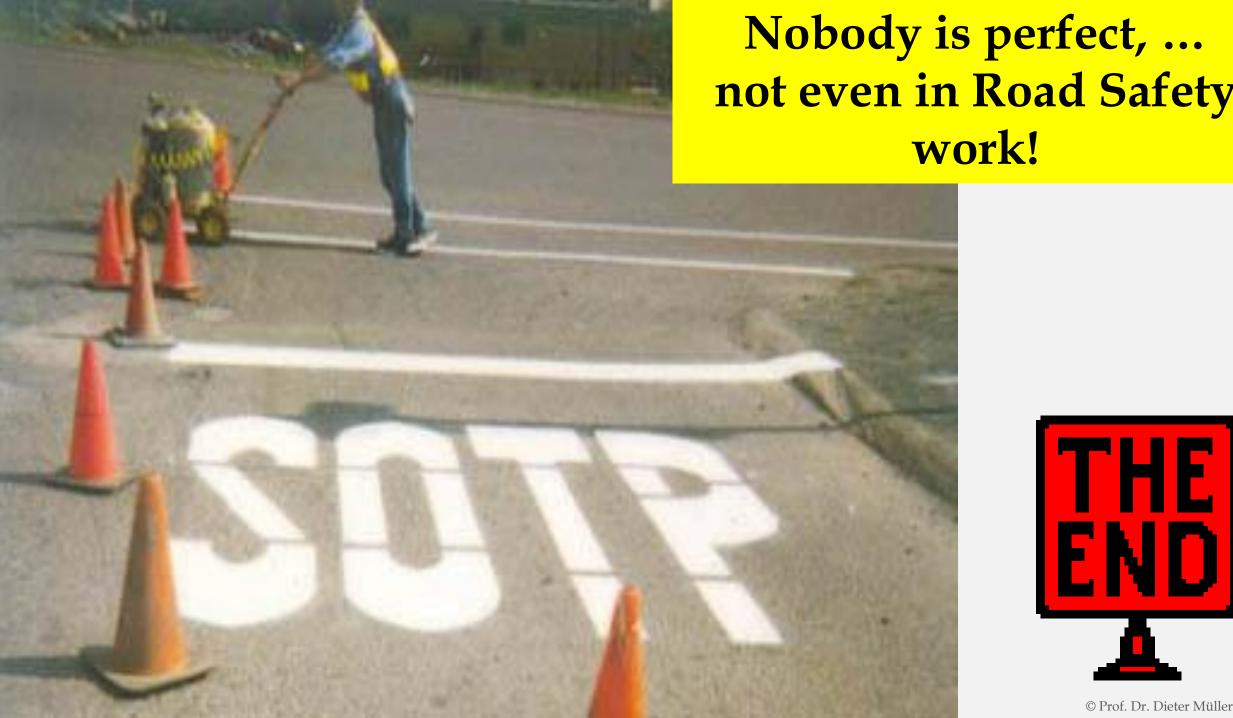


Your new campaign should be helpful ...

KIDS LOVE TO FLY, BUT NEVER IN CARS Child car seat save lives







Nobody is perfect, ... not even in Road Safety work!

Sources

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Your speaker

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Germany – Facts and Figures

Capital: Berlin

Federal states: 16

Population: 82,67 Mio.

Size:

230,082 km

357,021 sqkm

Passenger cars:

45,071,200

Police Officers:

250,000

Judges:

Roads:

15,000

Prosecutors: 5,200