Safety Overview for the Netherlands

- Status of Motor Vehicle Crashes/Fatalities/Injuries
- Status of Advances in Motor Vehicle and Infrastructure Safety
- Evolving Research/Rulemaking Strategy
- Status of Current Key Research Programs
Source: Institute for Road Safety Research (SWOV)

2017: 613 casualties, appr. 20,800 severely injured (of which 25% permanent impact)

- Casualties: 34% bicycles, 33% passenger cars
  72% of cyclists older than 60; 31% of cyclists older than 80
- Severely injured: 53% bicycles without motor vehicle, 11% bicycles with motor vehicle, 11% cars, 6% motorbikes, 13% scooters

The historical improvement seems to cease, figures are a bit worse than 5 years ago
### Fatalities: relation transport mode victim and counterpart

<table>
<thead>
<tr>
<th></th>
<th>Cyclist</th>
<th>Pass. Car</th>
<th>Van</th>
<th>Truck/Bus</th>
<th>Other</th>
<th>Singular</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pedestrian</td>
<td>2</td>
<td>36</td>
<td>10</td>
<td>10</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>Cyclist</td>
<td>11</td>
<td>64</td>
<td>19</td>
<td>19</td>
<td>9</td>
<td>17</td>
</tr>
<tr>
<td>Scootmobile</td>
<td>4</td>
<td></td>
<td>1</td>
<td>1</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td>light el. bycicle</td>
<td>9</td>
<td>1</td>
<td>7</td>
<td>7</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Moped</td>
<td>6</td>
<td>6</td>
<td>3</td>
<td>4</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Motorbike</td>
<td>7</td>
<td>18</td>
<td>6</td>
<td>2</td>
<td>6</td>
<td>20</td>
</tr>
<tr>
<td>Moped car</td>
<td>1</td>
<td></td>
<td>1</td>
<td></td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Passenger car</td>
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<td>42</td>
<td>6</td>
<td>29</td>
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<td>109</td>
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<tr>
<td>Van</td>
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<td></td>
<td>14</td>
</tr>
<tr>
<td>Truck</td>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

*Note: The numbers in the table represent the number of fatalities for each combination of transport modes.*
Fatalities and severe injuries: percentage related to age

**Fatalities**

- 47% under 15 years
- 22% 15-29 years
- 18% 30-49 years
- 10% 50-59 years
- 3% 60+ years

**Severe Injuries**

- 36% under 15 years
- 19% 15-29 years
- 21% 30-49 years
- 16% 50-59 years
- 8% 60+ years
Status of Advances in Motor Vehicle and Infrastructure Safety

- Extension of the prohibition to use a mobile device from car drivers to cyclists (due 2019)
- Campaign to switch off mobile devices while driving (“drive MONO”)
- Publication of Strategic Plan Road Safety

Vision how traffic safety can be improved until 2030

  - Higher priority
  - More and better collaboration between relevant organizations
  - Risk-based approach with proper statistical analysis
  - Integral approach
  - Monitoring the actual effects and adjustments when appropriate
Evolving Research/Rulemaking Strategy

- **2019 introduction of new “Experiments Law”**
  - Stimulating experiments with fully automated vehicles without driver
  - Ministry decides per request
    - RDW coordinates related organizations for the advice to the Ministry

- **Development of a strategy for admittance of innovative vehicles (e.g. e-step)**
  - Supporting innovation without compromising safety

- **Development of a Smart Mobility roadmap**
  - Together with relevant stakeholders (RWS, RDW, CBR, SWOV)
  - Horizon 4 years, including practical consequences
    - Covering safety, security and privacy
Status of Current Key Research Programs

- **National project “Vehicle Safety and Security Framework”**
  - Developing a method to assess safety and security
  - Already used with several OEM’s awaiting the UNECE requirements, includes more aspects than the UNECE requirements

- **National project “Vehicle Driving License Framework”**
  - Developing a method to assess the vehicle as driver when in automated mode, used for experiments on public roads
  - Approach is adjusted with other projects (Headstart, ...) and results may be used by UNECE working group Validation Method for Automated Driving
Status of Current Key Research Programs

- Development of ADAS covenant with all Dutch stakeholders to stimulate introduction and use
Thank you