Speed Management in Greece

George Yannis, Professor, Anastasios Dragomanovits, Research Associate
Department of Transportation Planning and Engineering
National Technical University of Athens, Athens, Greece
Q1 - Review of speed limits

<table>
<thead>
<tr>
<th>Vehicle Type</th>
<th>Speed Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Car</td>
<td>130</td>
</tr>
<tr>
<td>Bicycle</td>
<td>130</td>
</tr>
<tr>
<td>Truck</td>
<td>80</td>
</tr>
<tr>
<td>Car</td>
<td>110</td>
</tr>
<tr>
<td>Bicycle</td>
<td>110</td>
</tr>
<tr>
<td>Truck</td>
<td>70</td>
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<td>Car</td>
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<td>Truck</td>
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<td>Car</td>
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</tr>
<tr>
<td>Bicycle</td>
<td>50</td>
</tr>
<tr>
<td>Truck</td>
<td>50</td>
</tr>
</tbody>
</table>

Built-up areas

Your Road Safety is on our RADAR.
Q1 - Review of speed limits

- Lower speed limits can be defined by relevant **signage**
- **No advisory speed limits** in Greece. Posted (or maximum) speed limit is the maximum legally allowed speed
- In some motorways, lower speed limit is defined for wet pavement, mainly for sight distance reasons
Q2 - Review of gathering speed data and methods for speed analysis

- No central speed database
- Speed data generally not available
- Traffic Police collects data on speeding, originating from the enforcement controls
  - Data not accessible
  - Data not analyzed
  - Privacy issues
Q3 - Review of methods for speed management

• National guidelines for setting speed limits since 2005

• Speed limits are taken into account for road design

• Road designers often rely heavily on local reductions of the speed limit, to address poor geometric characteristics of roads
Q3 - Review of methods for speed management

Traffic calming methods:

• Speed humps
• Zones of road surface reflector studs
• Transverse rumble strips
• Roundabouts

No studies in Greece analyzing the effect of traffic calming devices.
Q3 - Review of methods for speed management

• Fixed speed cameras installed mostly on motorways - no information available on their number

• Speed controls mostly performed using manually operated mobile equipment

• Approximately 210,000 violations per year reported by the Traffic Police

• Section control not implemented
Q4 - Case studies

• In 2007, the maximum speed limit on motorways was increased from 120 to 130km/h

• Diploma Thesis by NTUA – E. Georgiadou examined the effect on road accidents.

• Data of road accidents (period 2005-2010) on motorway sections:
  – Athens – Thiva
  – Athens – Tripoli
  – Sections of the Egnatia Motorway
Q4 - Case studies

- **Method:** “before” and “after” statistical analysis of accidents with control group with $x^2$ and odds ratio controls

- **Results:**
  1. Athens – Thiva: statistically significant increase in the number of deaths only for the first year – later not statistically significant
  3. Egnatia Motorway: no statistically significant change
Q5 - EC Safe System implementation: speed KPI

• Greece is **not issuing KPIs** for speed

• Hellenic Ministry of Infrastructure and Transport has the **intention to develop and use** KPIs in compliance with the European definition
Q6 - Vehicle safety and automation

- **Micro-mobility** on city streets has brought in important safety implications mainly for the **vulnerable road users**
- **New ITS technologies** are expected to assist in more effective speed management
- **Until 2022** new safety technologies will become **mandatory** in European vehicles
Q6 - Vehicle safety and automation

• Extensive usage of **telematics applications** is expected in the future for **speed management** practices

• **Fully autonomous vehicles** may eliminate the need for speed enforcement

In Greece, there is **no legislative framework** for autonomous vehicles yet.
Q7 - Ideas and recommendations for Greece

- **Speed limits setting:**
  revision of guidelines & systematic implementation

- **Speed limits consistency:**
  homogenous speed limits for similar road types must be defined, eliminating local speed limit reductions
Q7 - Ideas and recommendations for Greece

**Speed enforcement:**
- implementation of section control
- minimization of the obstacles in violation processing procedures

**Speed data collection:**
- systematic collection of speed data
- development of anonymized speed data base
- more detailed information by the Police, regarding speed violations
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