

Discussion on road safety best practices Speed management and Enforcement

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What is a safe travelling speed?

Road types combined with allowed road users	Safe speed (km/h)
Roads with possible conflicts between cars and unprotected road users	30
Intersections with possible transverse conflicts between cars	50
Roads with possible frontal conflicts between cars	70
Roads with no possible frontal or transverse conflicts between road users	≥ 100

Safe travelling speeds according to possible conflicts between road users travelling on the roads. Source: SWOV, Advancing Sustainable Safety p.14

Reducing speeding

- No silver bullet for managing speed
- Police Enforcement
- Fixed and Mobile Safety Cameras
- Priority for High risk sites
- Self-explaining roads
- Intelligent Speed Assistance – now part of Safety ratings at EuroNCAP

Selection of roads for speed enforcement

- On roads with a bad safety record
- On roads with appropriate speed limit
- Roads with a subjectively high risk
- On all road categories

Effective Speed Enforcement

- Frequent, at irregular intervals and at different intensities
 - Variation in time and location
 - Both visible and invisible speed enforcement
 - Supported by publicity and information
-
- WHY? Cost effective: applying best practice in enforcement to the whole of the EU exceeds the costs by a factor of 4 to 10.



Speeding: ETSC proposes

- Combine automated and traditional methods
- Use stationary equipment at high risk sites
- Channel revenues back into the road safety
- Collect quarterly speeding rates for all roads
- Set a concrete target
- Introduce Owner Liability
- Incorporate speeding into penalty point systems.



Section Control

- mean speeds reduced to the posted speed limit or below, reductions in deaths and serious injuries.
- improvements in traffic flow, reduction in traffic noise and vehicle emissions.
- A fairer approach to speed enforcement.
- Used in: Netherlands, UK, Austria, Italy, France, Finland, Norway

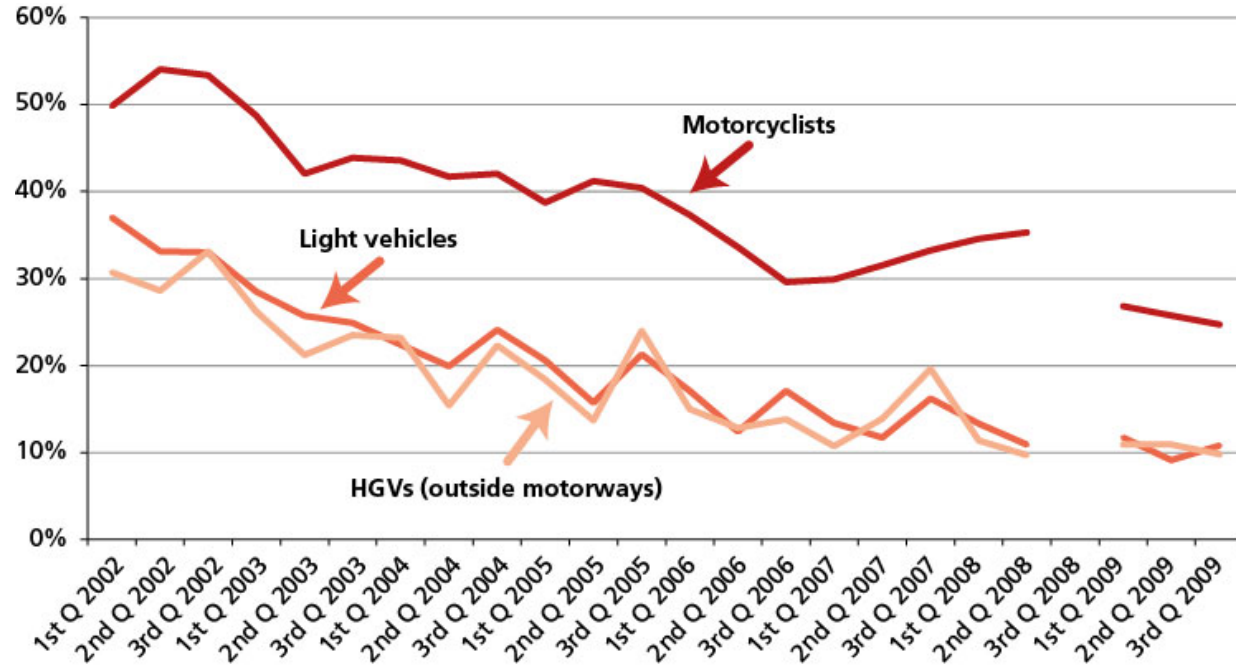
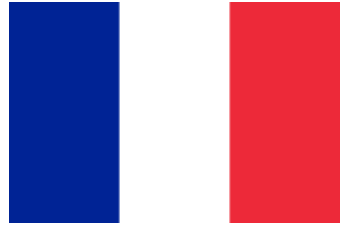


Public acceptance..

- ✓ Enforcement activities should be accepted by the road users as meaningful. The conviction that traffic rules have to be enforced is a basis for their compliance and guarantees a safe behaviour in traffic.

France

Automated methods saves lives



- **75%** of the massive drop in deaths can be attributed to improve speed management between 2002-2005.
- Vehicles travelling at 10 km/h and more above the legal limit decreased from **35% to 10%**.

% of vehicles travelling at 10km/h above the legal limit in France

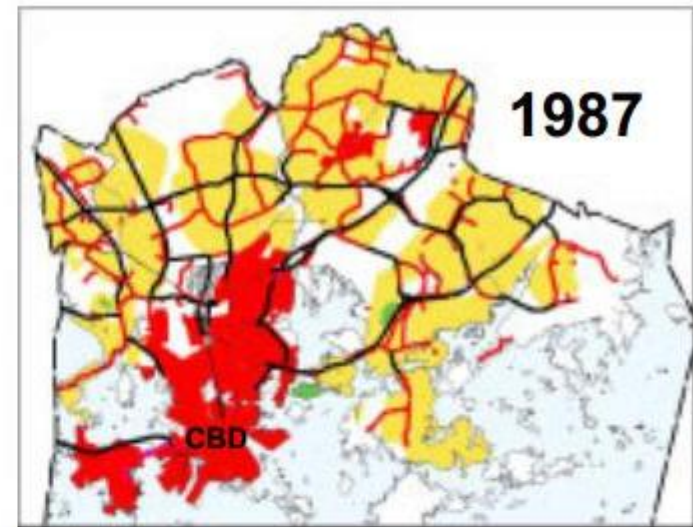
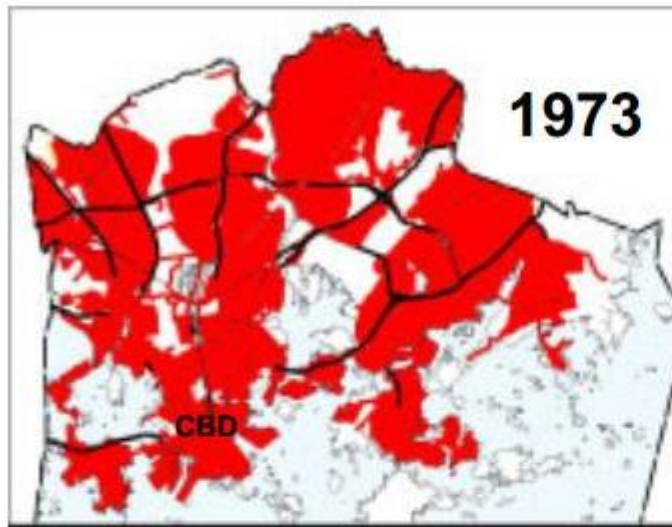
United Kingdom

- 6000 automated speed check devices
- Increasing section control
- “Netting off”
- Guidance for local authorities in setting speed limits
- Self explaining speed limits according to the roads – function, characteristics and traffic mix
- Increased 20 mph zones in urban areas
- Impact?
- Injury accidents 20mph zones reduced by an average of 60%

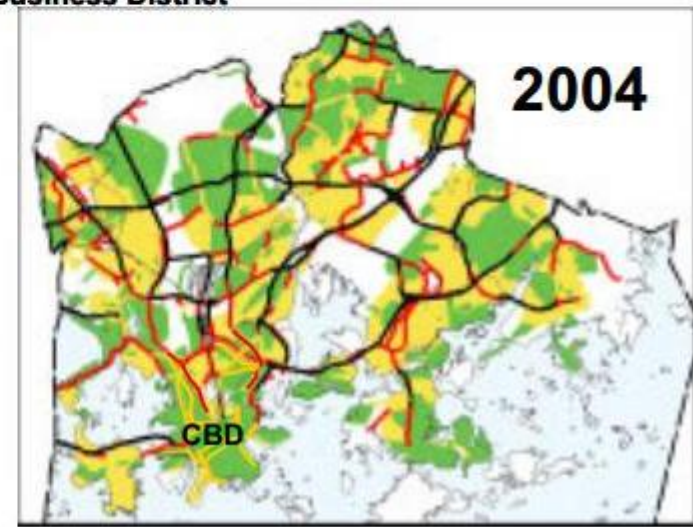
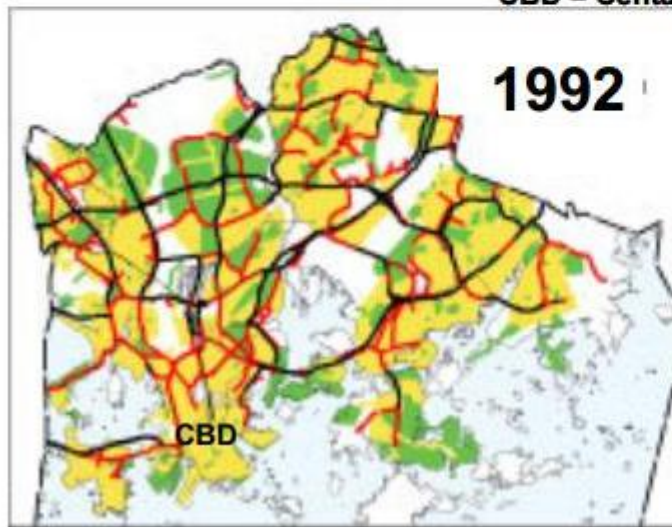
Softer approach to enforcement

- Training courses on road safety
- Option to receiving penalty points
- Money from the training goes back into road safety work
- Good practice example: Northamptonshire Police – Safer Roads Education Programme
- National Speed Awareness Courses for some speeding offences

Safer roads through lower speeds - Helsinki



CBD = Central Business District



Useful References

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Useful References

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