

# The Safe System Approach

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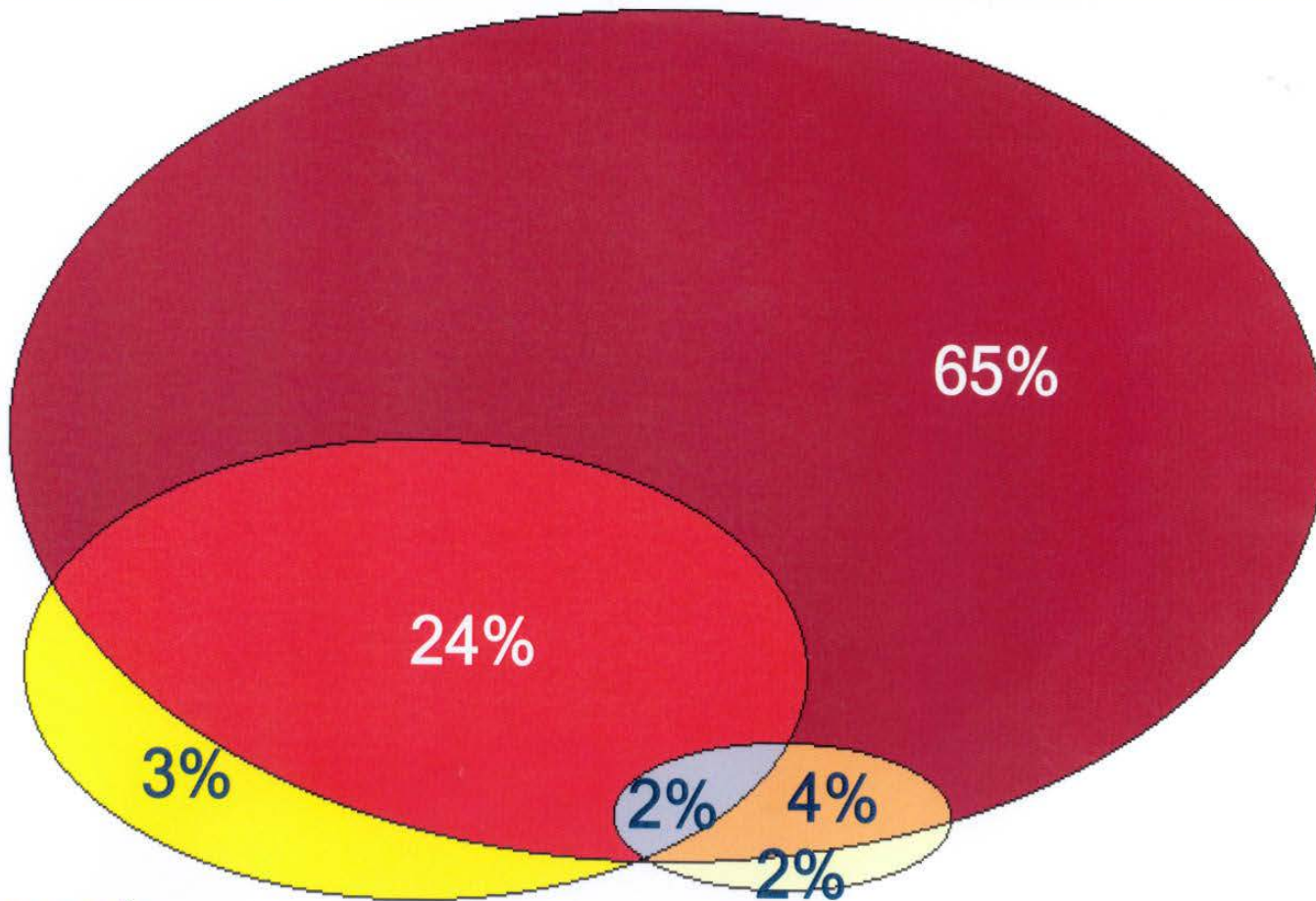
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# Accident Factors

Human factors (95%)

Road Environment factors (29%)

Vehicle factors (8%)



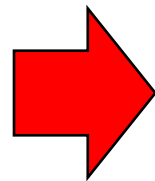
# Safety measures – person approach

Information

Education

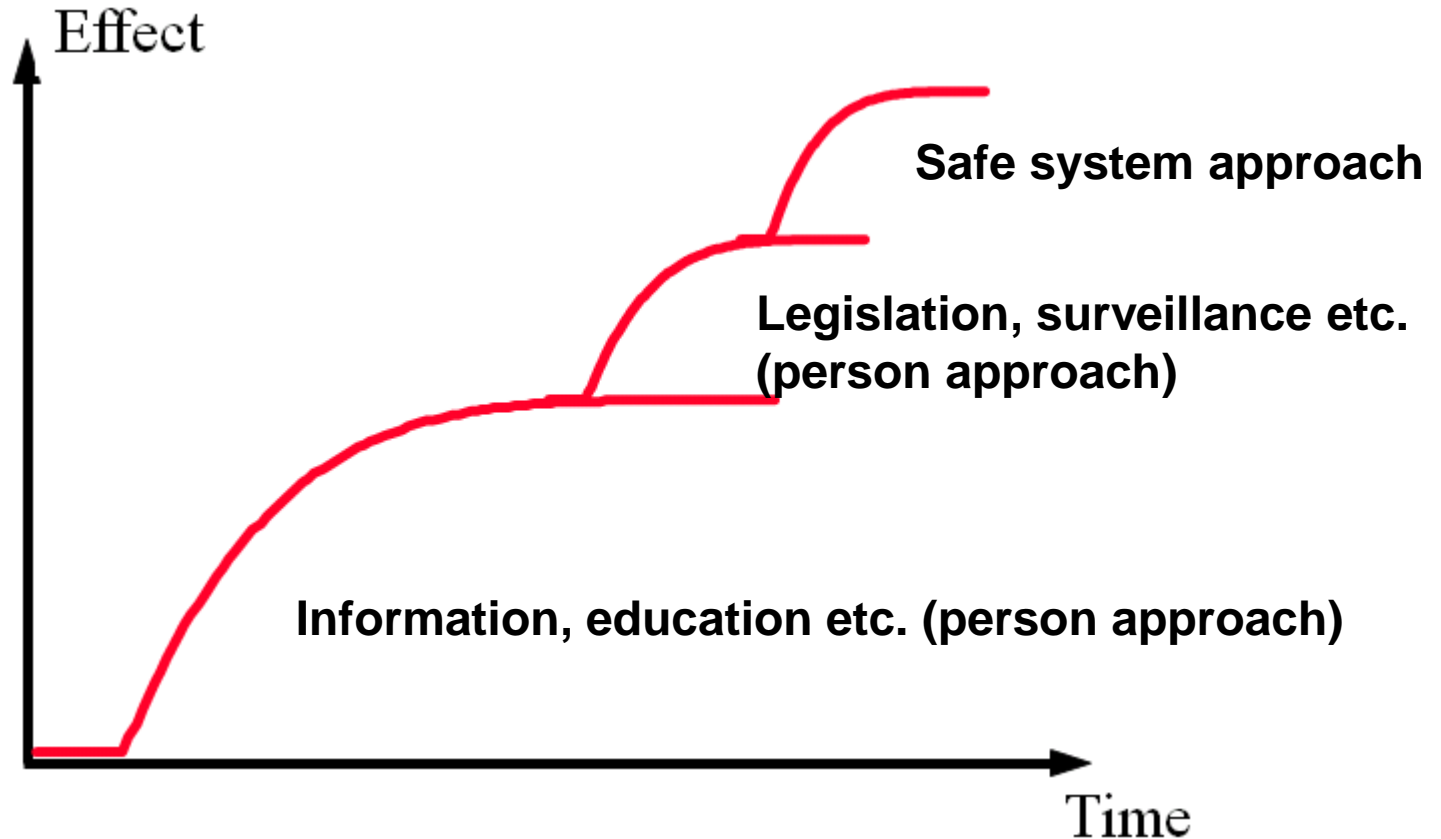
Campaigns

Surveillance



Make the individual road-user behave correctly in traffic (follow the rules)

# The need for new strategies



# Human Factors

- *Human capability*
  - Humans cannot physically, cognitively or psychologically always cope with the complex demands of socio-technical systems
- *Systems approach*
  - Human error is a systems failure, rather than solely an individual operator's failure
  - Accidents occur when components of a system interact with each other and these interactions are not possible to foreseen because of their complexity

# Basic principles of the Safe System Approach

- Humans make mistakes. Mistakes should not be punishable by death.
- The accidents themselves are not a problem; the severe consequences are.
- Road safety must be based on a systems approach where humans, technology and organisation must be seen as interacting parts which cannot be isolated from each other.
- Road safety is a shared responsibility.
- Life and health cannot be exchanged by other societal utilities.

# The integrated safety chain

