

**French Institute
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Economics and Management of Road Safety

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Economics of Road Safety

- Road accidents are costly (social costs of accident, statistical value of a humane live, medical spending, rehabilitation cost, spending for protection (airbags...))
- Road safety public policy involves also a cost : maintenance, standard for road infrastructure, police organization, emergency services (helicopter assistance...), communication, enforcement program, bureaus
- Business cycle, economic development and road fatalities and injuries



Economic approach of Road Safety

- Need to specify the notion of cost for understanding the economic framework of the road safety (material cost is a benefit for car repairer ; infrastructure standard as a cost or an investment ; marginal/average costs)
- Cost, a concept for understanding the driver behavior (deterrence, buying decision for an autonomous car) and the decision maker choice (ASE, manned control, self-funding measure)
- Always a trade-off is involved (costs but also benefits, optimum, mixed decision)



Road Safety management

- Evaluation is important to correct, improve, expand or stop a program
- Evaluation is a judgment of value on a process for reaching previously defined objectives
- Need to hierarchize: not everything is worth everything!
- Choosing at best but it requires criteria for action (cba, cea, other)



Thank you for your attention

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