



**XXIV<sup>th</sup> World  
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# **A STRATEGIC APPROACH FOR SAFETY: Putting Knowledge into Practice**

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Strategic Theme C:  
Safety of the Road System

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# Reporting Countries

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- Austria
- Canada
- China
- Czech Republic
- Germany
- Hungary
- Ireland
- Japan
- Mexico
- Norway
- Romania
- Slovak Republic
- Spain
- Switzerland
- United Kingdom
- United States of America
- Vietnam

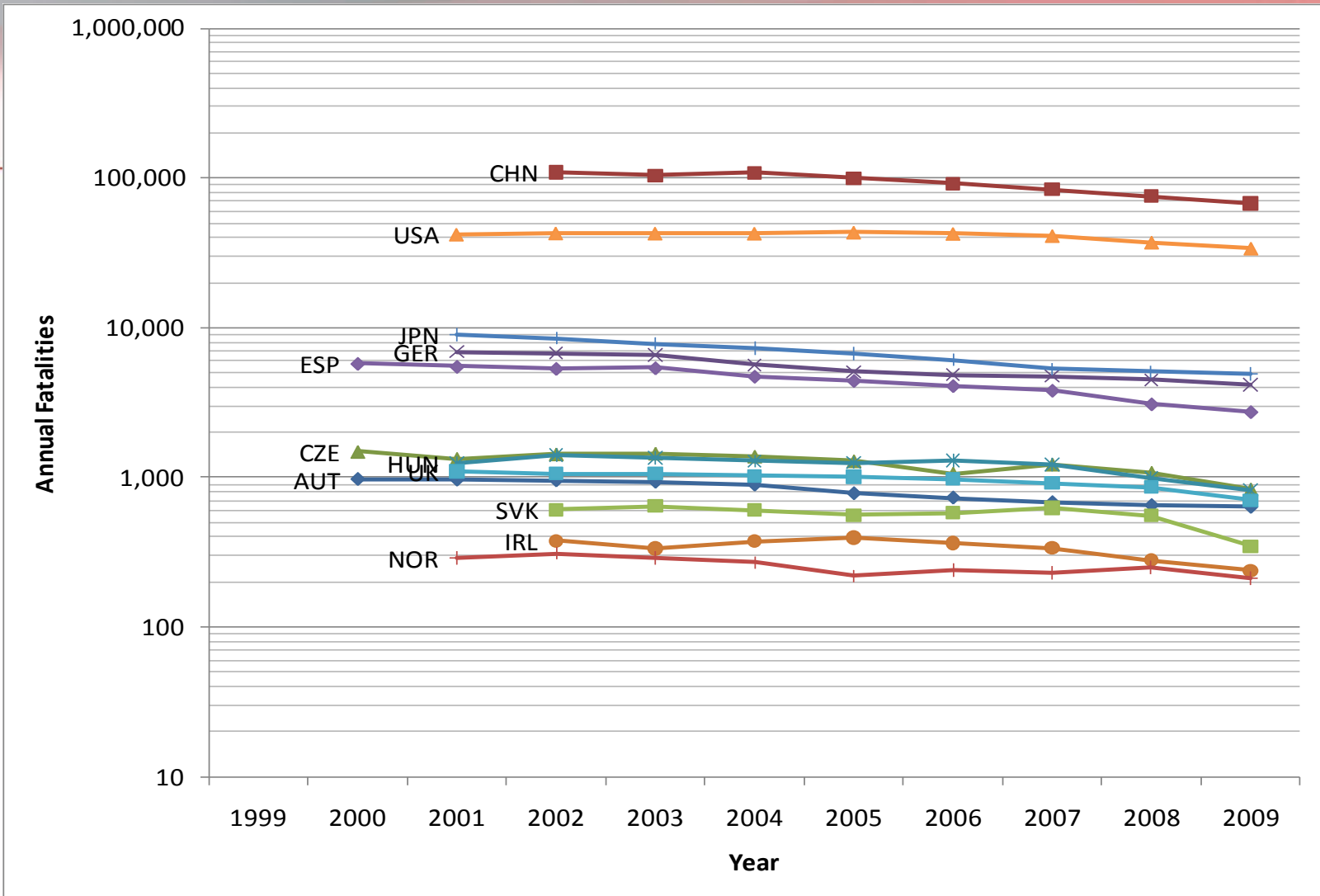


# Introduction

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- High level emphasis on reducing injuries and fatalities on the world's roadways
- Declines in fatalities/injuries on many nations' roadway networks in recent years
- Areas of concern remain, prompting road agencies to consider solutions





# Strategic Plans and Approaches

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- Comprehensive safety strategies
- Safety goals
- Measurements of success



# Comprehensive Safety Strategies

- Engineering
  - China: Bridge renovation program
  - Ireland: Village gateway traffic calming

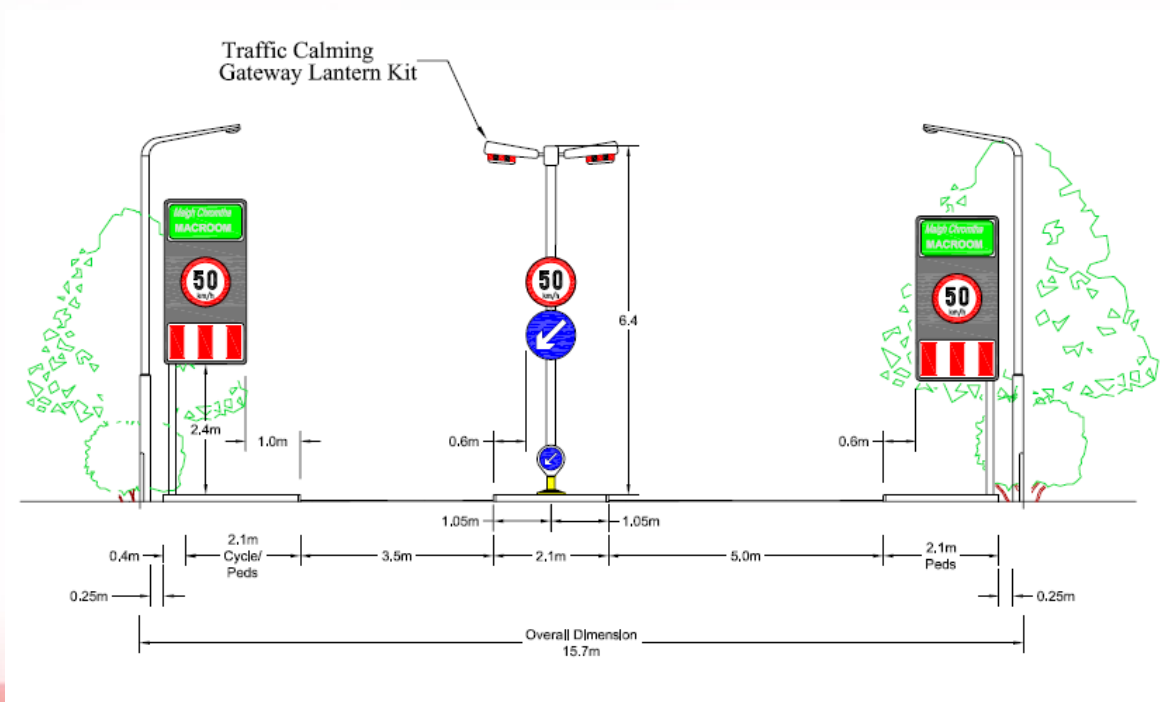


Image Credit: National Roads Authority, Ireland



# Comprehensive Safety Strategies

- Engineering
  - Czech Republic: Road safety audits and blackspot treatments
  - Vietnam: Improved access control



Image Credit: Directorate for Roads, Viet Nam



# Comprehensive Safety Strategies

- Enforcement

- Spain: Automated speed control system

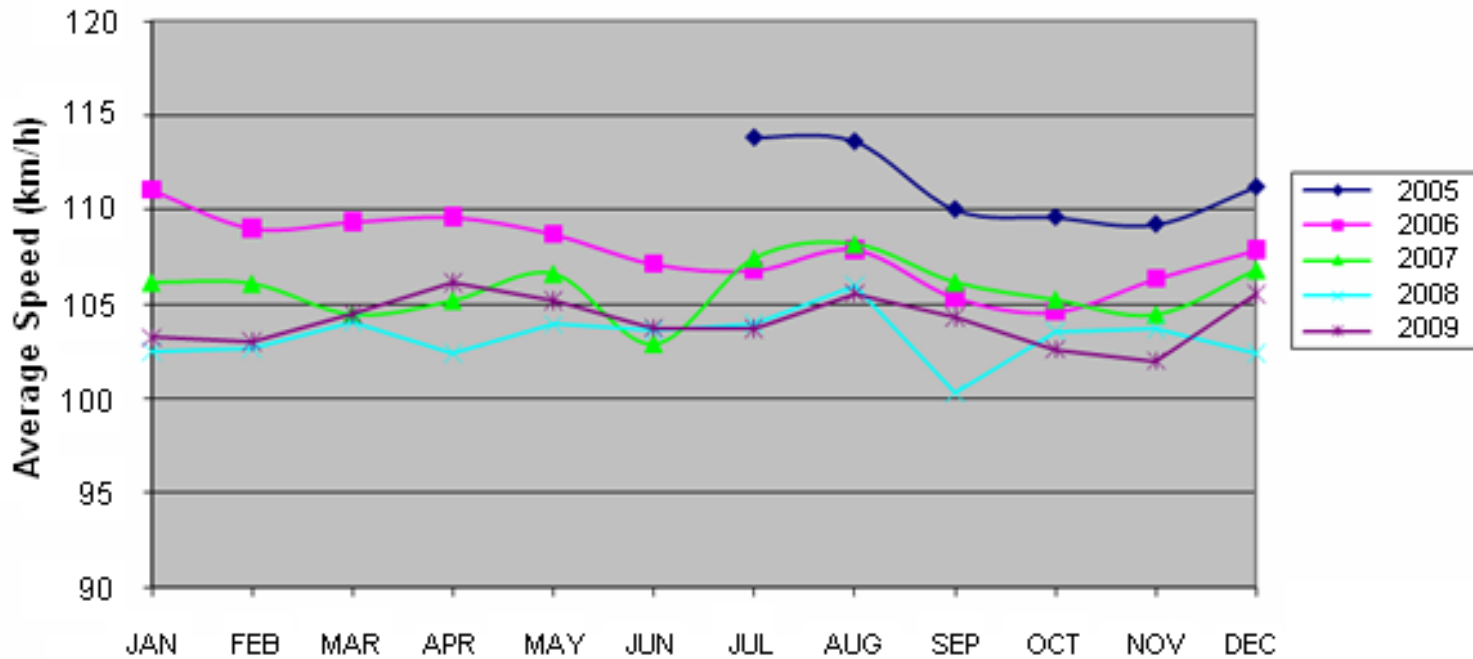


Image Credit: General Direction of Traffic, Spain  
English Translation: Marcus Brewer





# Comprehensive Safety Strategies

- Education
  - Mexico: Mass media campaign on compliance with alcohol limits, traffic signs, speed limits
  - Hungary: Targeted seat belt usage campaign

Az övet bekötni  
hátral is gyerekjáték.



[www.grsphungary.hu](http://www.grsphungary.hu)



GRSP  
MAGYARORSZÁG  
EGYESÜLET

Image Credit: Global Road  
Safety Partnership, Hungary



# Comprehensive Safety Strategies

- Policy
  - Austria: Road Safety Programme
  - United States: Toward Zero Deaths



Image Credit: Marcus Brewer



# Measurements of Success

- Reduction in fatalities and crashes
- Reduction in fatality/injury/crash rate
- Other measures

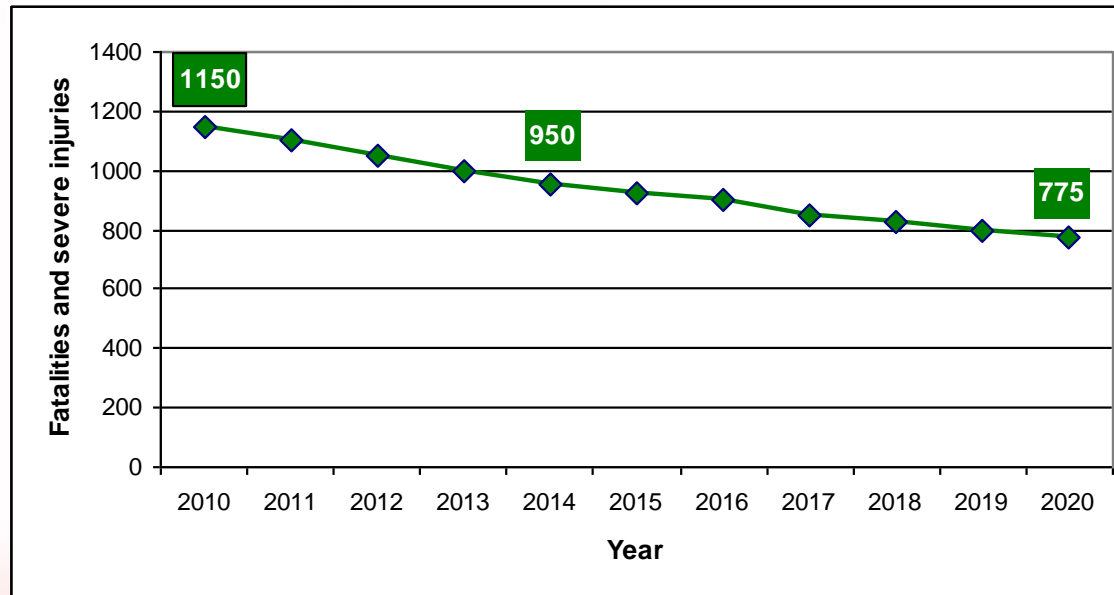


Image Credit: Norwegian Public Roads Administration



# Transfer of Knowledge Into Practice

- Innovation
- Dissemination of safety products to stakeholders
- Effective implementation of best practices and technologies



Image Credit: Kay Fitzpatrick



# Innovation

- United States - Every Day Counts Initiative (EDC)
  - National initiative -lead by FHWA- to foster innovation
    - Shorten Project Delivery Time
    - Speed deployment of new and proven technologies into the marketplace
  - Provides the transportation community with a better, faster, and smarter way of doing business



# Dissemination of Safety Products to Stakeholders

- New Manuals
  - Germany: Highway Safety Manual
  - Mexico: multiple manuals, including Geometric Design of Roads
- Development of Safety Action Plans
  - Switzerland: “Safety of the Road Traffic System and its Civil Engineering Structures”

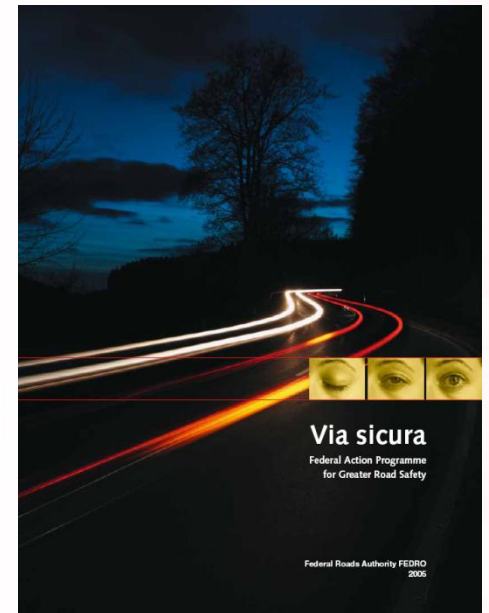


Image Credit: Federal Road Office (FEDRO), Switzerland



# Implementation of Best Practices and Technologies

- Spain: GIS database
- Germany: countermeasures for blackspot locations
- Slovak Republic: countermeasures for common crash types

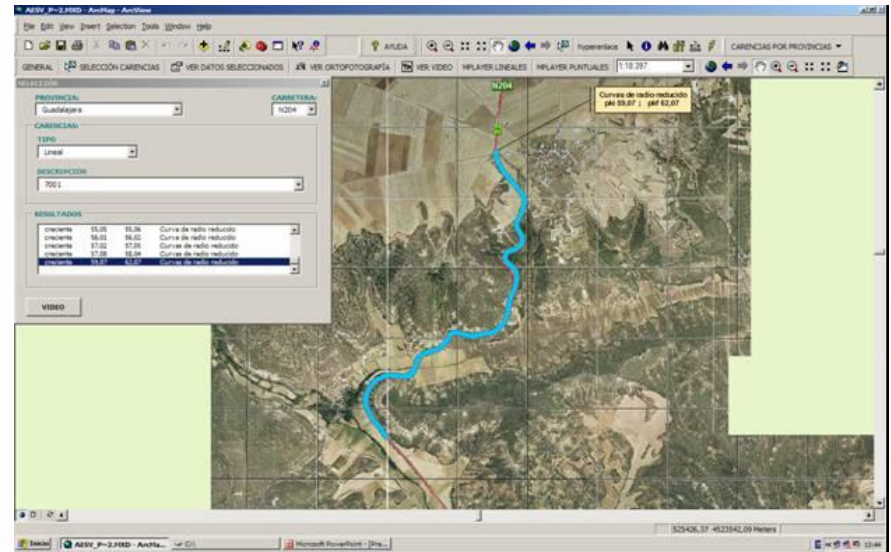


Image Credit: General Direction of Roads, Spain



# Conclusions

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- Countries are doing well, with room for improvement
- Make safety a priority
- Need minimum design and control standards
- Benefit of road safety education
- Apply methods and strategies that are effective

