



STARS

Students Acting to Reduce Speed



Ilyas Daoud

Introduction to ETSC

A science-based approach to road safety policy

- Bringing together **43 organisations** from across Europe to promote science based transport safety measures at EU level.
- More than **200 international experts** contributing to ETSC's Reviews, Policy Papers, Newsletters, Positions, Press Releases, etc.
- **A non-profit making Brussels based secretariat** doing its utmost to insert the knowledge of ETSC members and experts into EU transport safety policy-making
- The European Commission, member organisations, member states and corporate sponsors are funding our work.

ETSC Activities



Ranking EU countries' performances



Road Safety Performance Index (PIN)

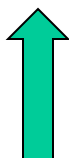


Developing EU projects on priority areas

Praising Best Practice in Road Safety 'At' Work and 'To' Work



Monitoring EU transport safety policy



*Promoting best practices
Developing a number of recommendations*

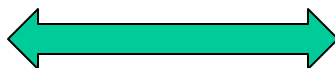


Preventing Drink Driving

Speed Programme



Targeting key audience



Roads to Respect: Infrastructure Safety

Background

Almost 35 000 road deaths

2-3% GDP
economic losses
(200 B. Euros)

Major cause of
premature deaths

Life-time probability
of new-born to die
in a road crash is
1/150, get seriously
injured 1/19

Aggravating
congestions and
CO2 emissions

Non-quantifiable
pain and suffering

EU ambition: road safety/CO2 Targets

EU targets

Cut by 50%
yearly road
deaths between
2001-2010

Reduce by 20%
green house
gas emissions
by 2020



The EU is off Target

**35,000
people
were killed
in 2009**

Targets
not to be
reached
on time

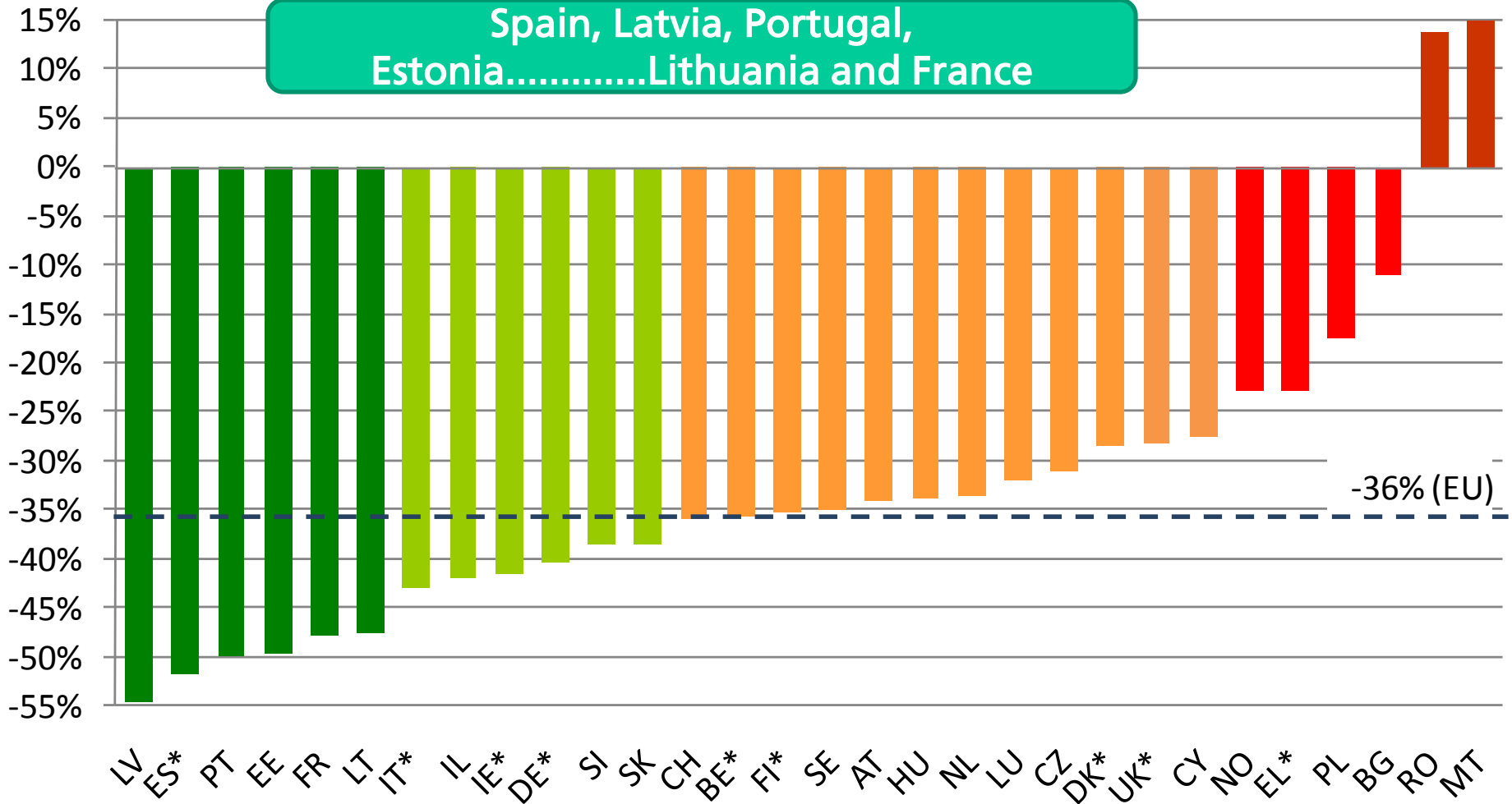
Greenhouse
gases
decreased by
5% between
1990-2004

**Emissions
from road
transport
rose by 26%**



Best progress 2001 - 2009

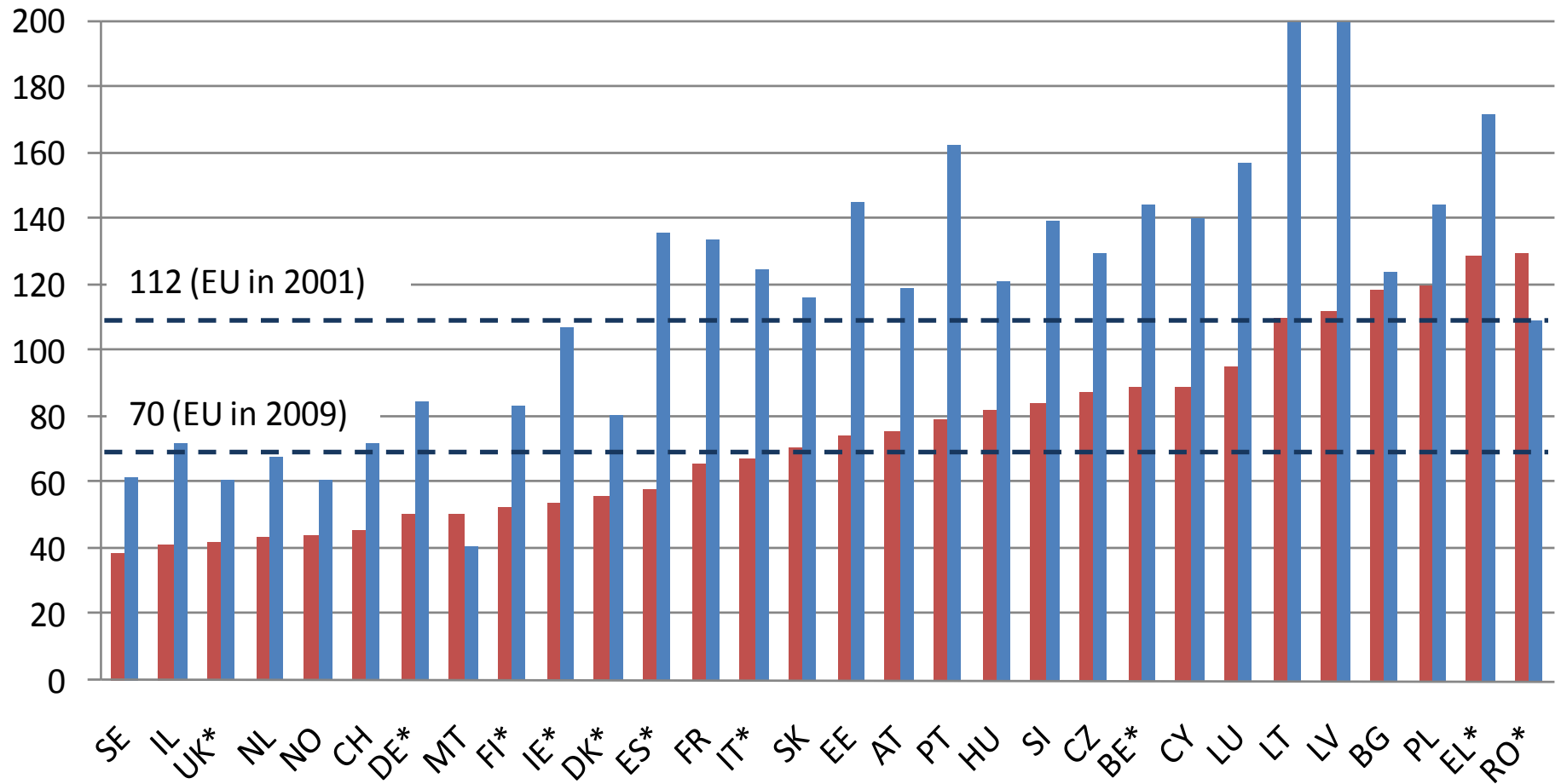
Percentage change in road deaths between 2001 and 2009



Road deaths per population 2009

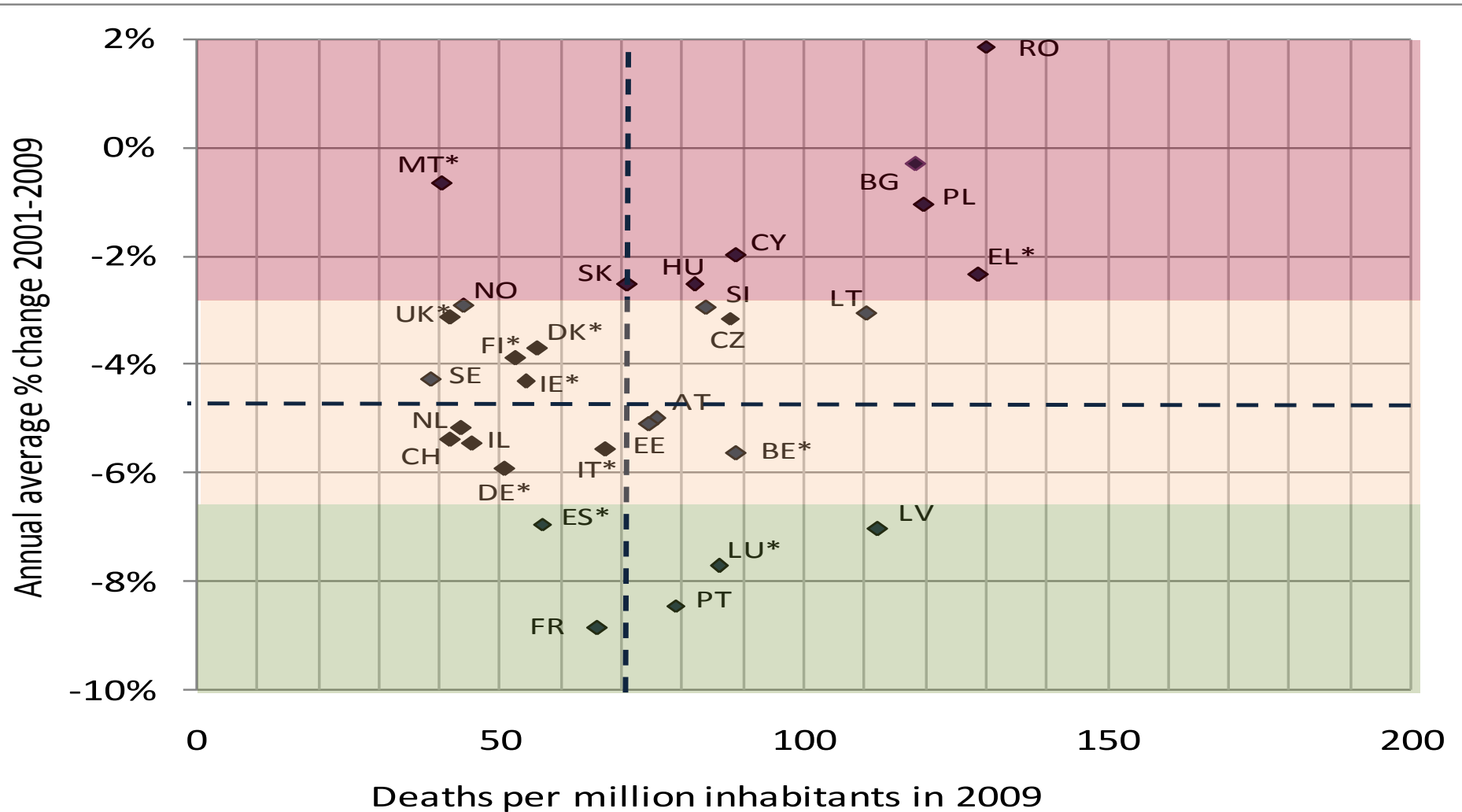
Still big differences between MS

But no more country with more than 150 road deaths per million population

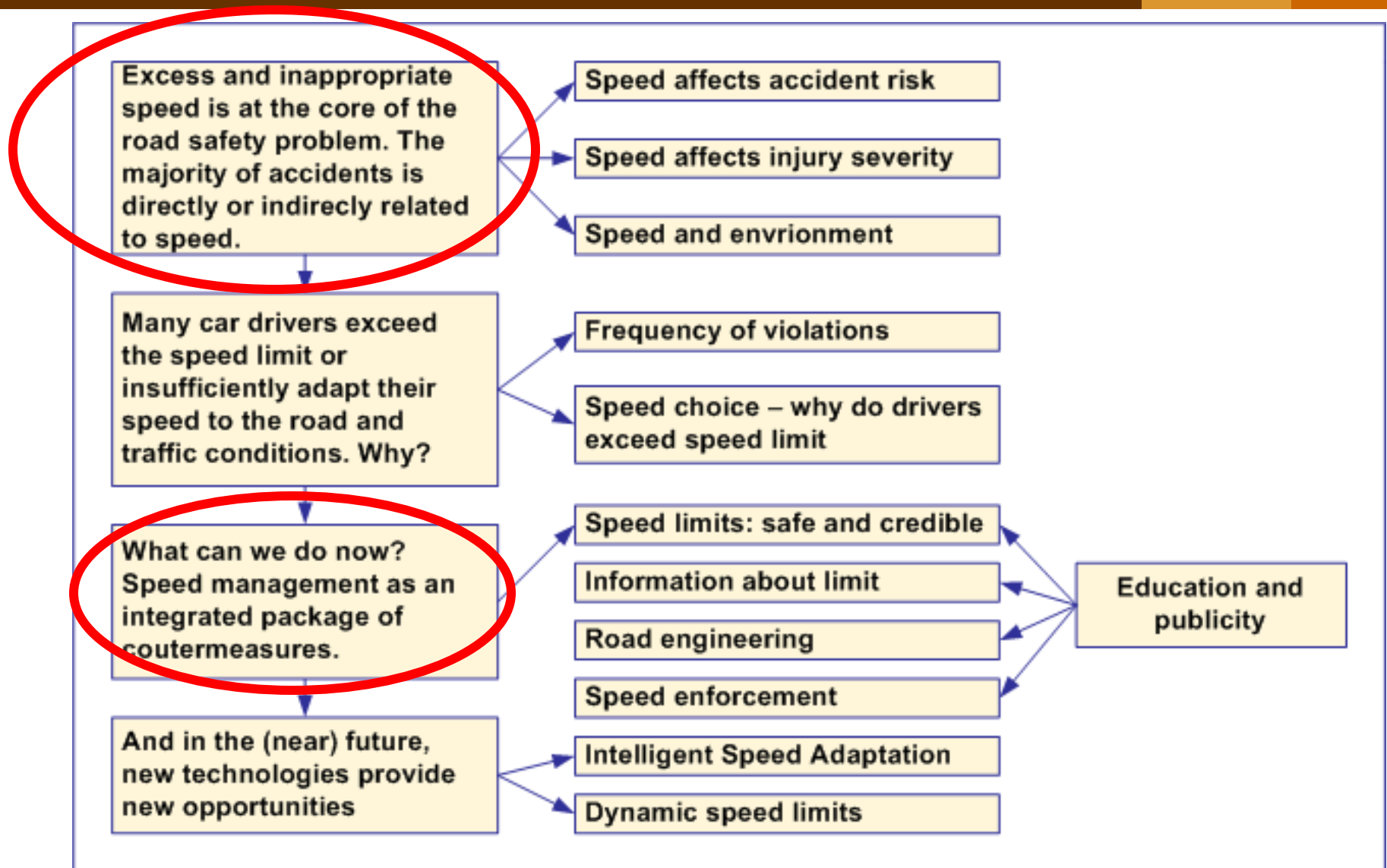


Mortality versus reduction

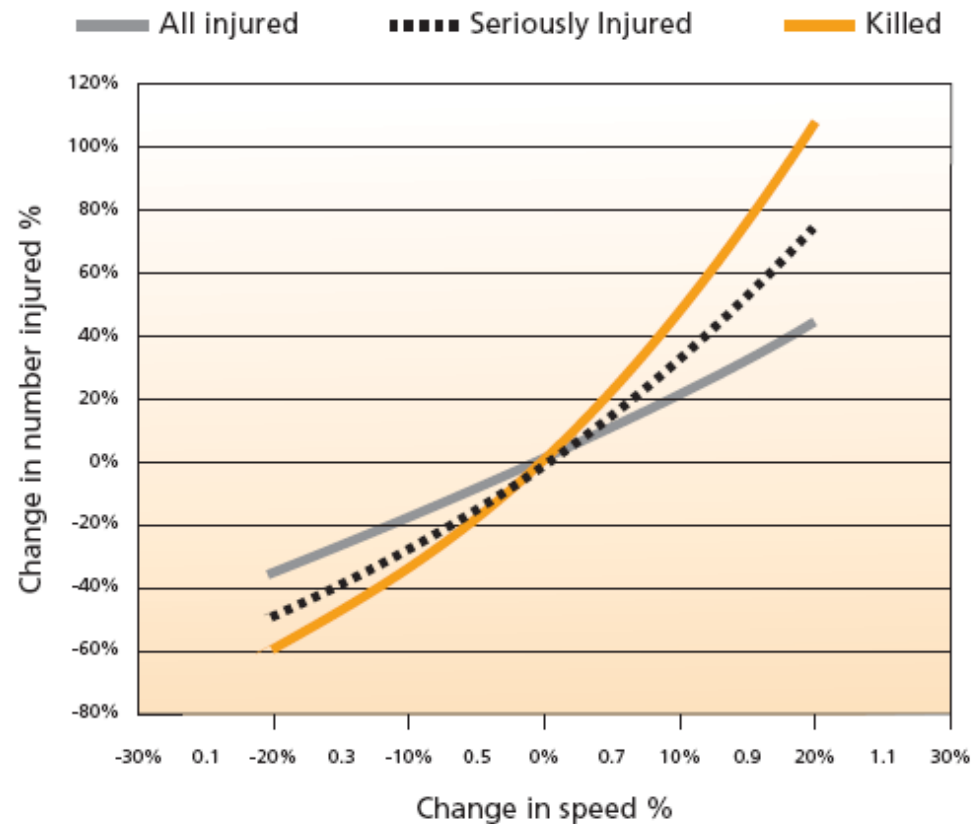
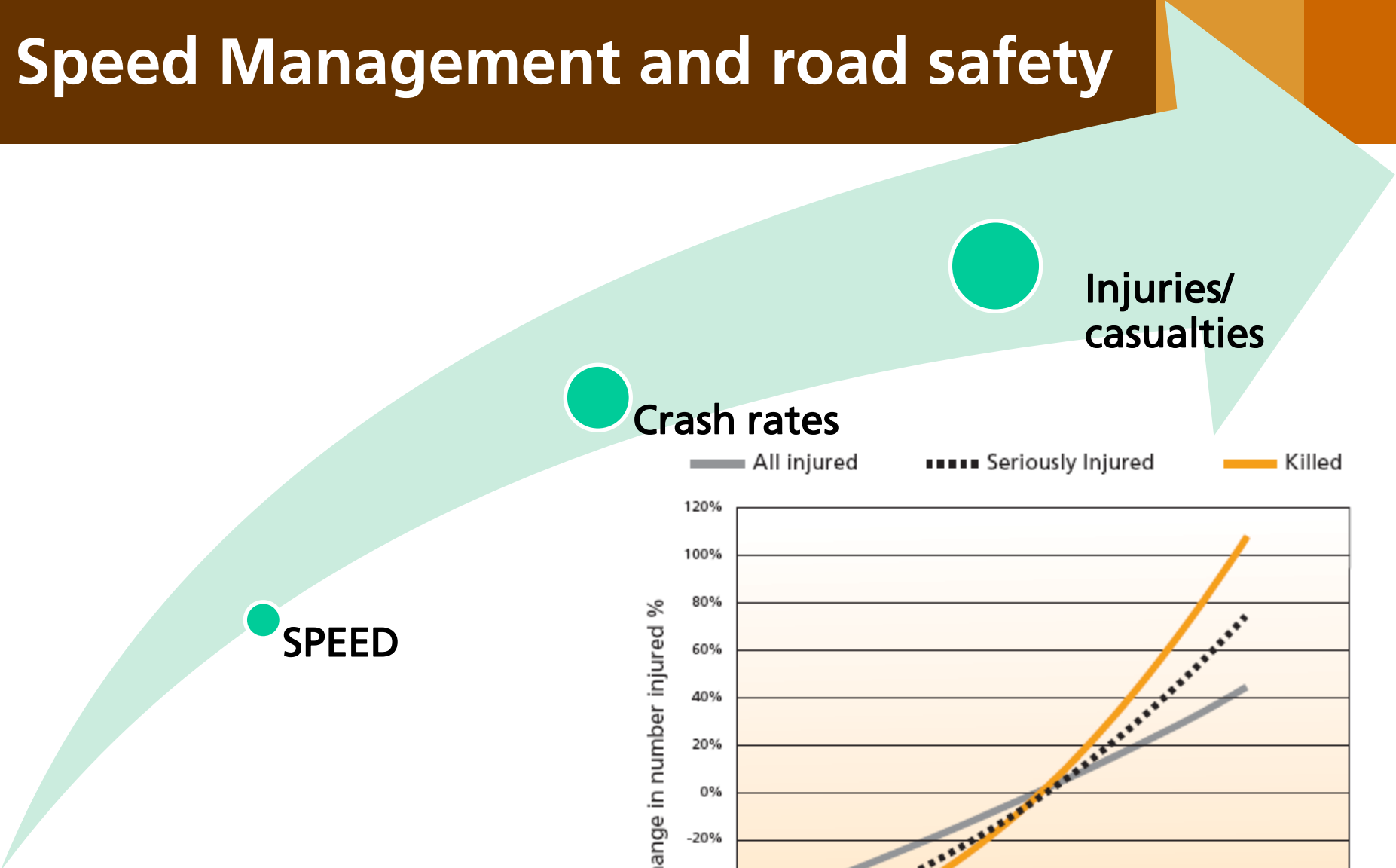
Road mortality in 2009 plotted against the percentage change in road deaths over 2001-2009.



Speed: 30% of fatal road accidents



Speed Management and road safety

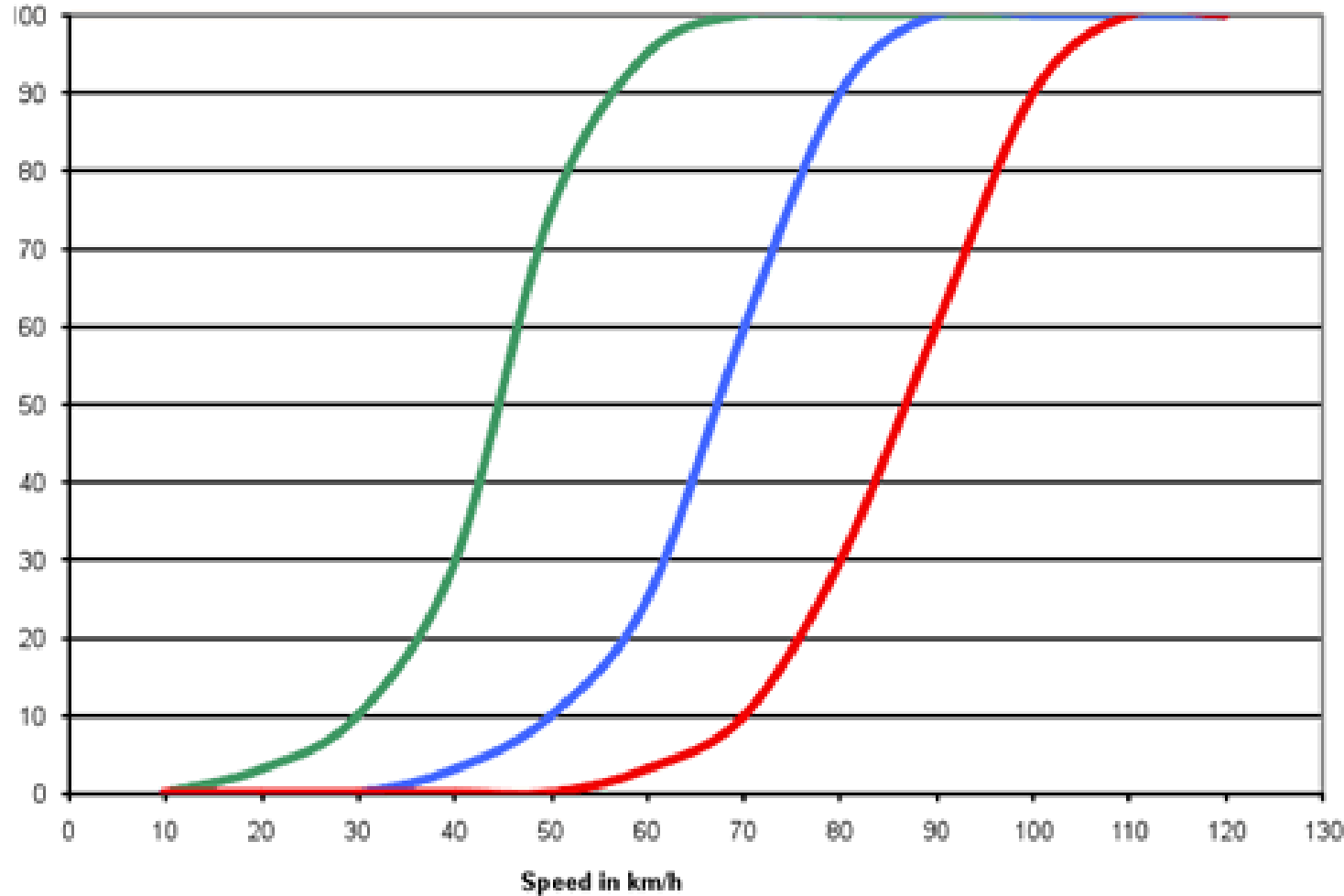


Increase in Speed = Worst Accident Outcome

approximate risk of being killed for different crash speeds and crash types

Different crash types:

(Green = unprotected; blue = side impact; red = head on).

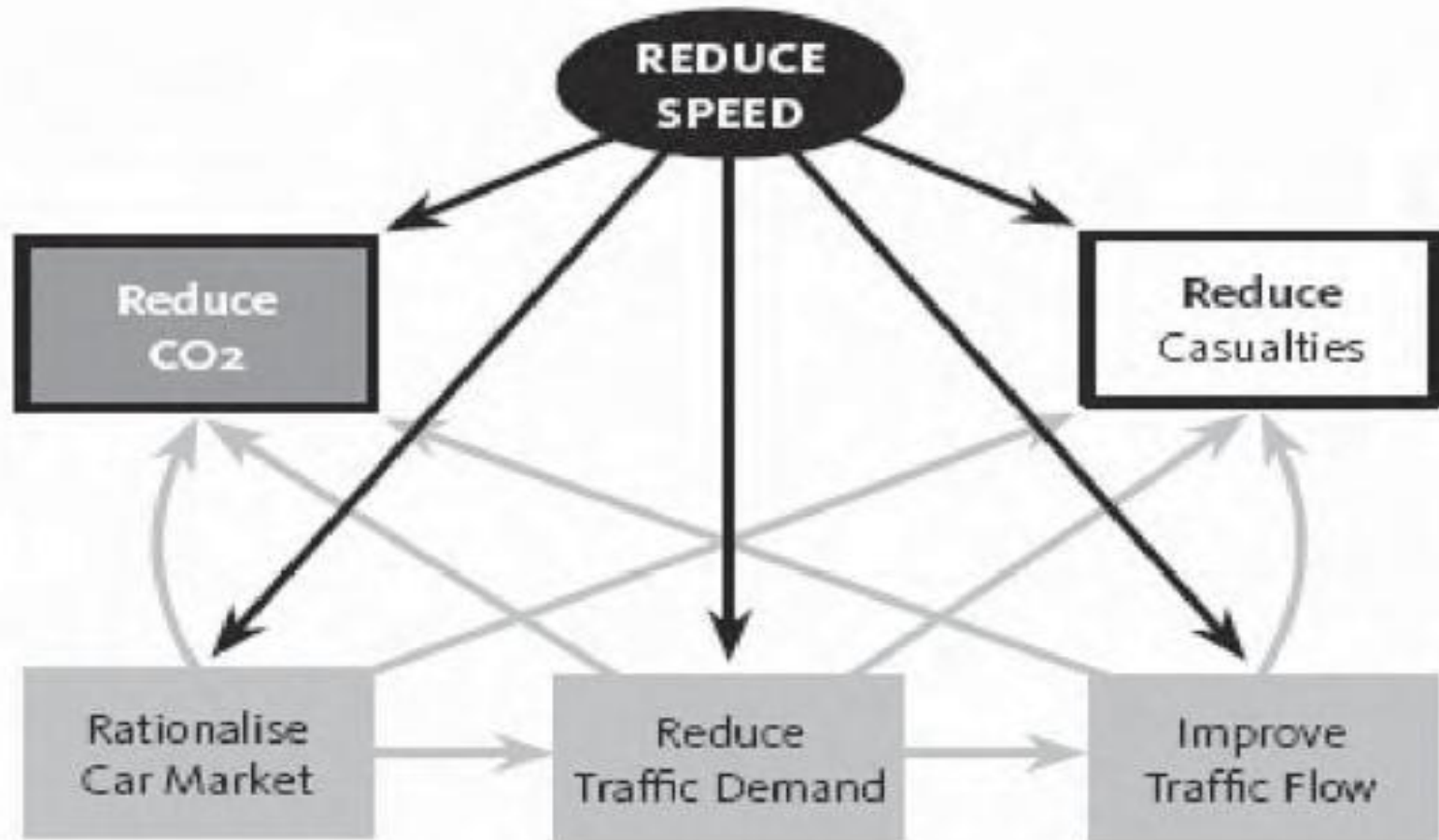


Speed Management and climate change

Fuel consumption and CO2 emissions are in great part a function of speed. Many studies recognise compliance with speed limits as a very effective carbon abatement policy.

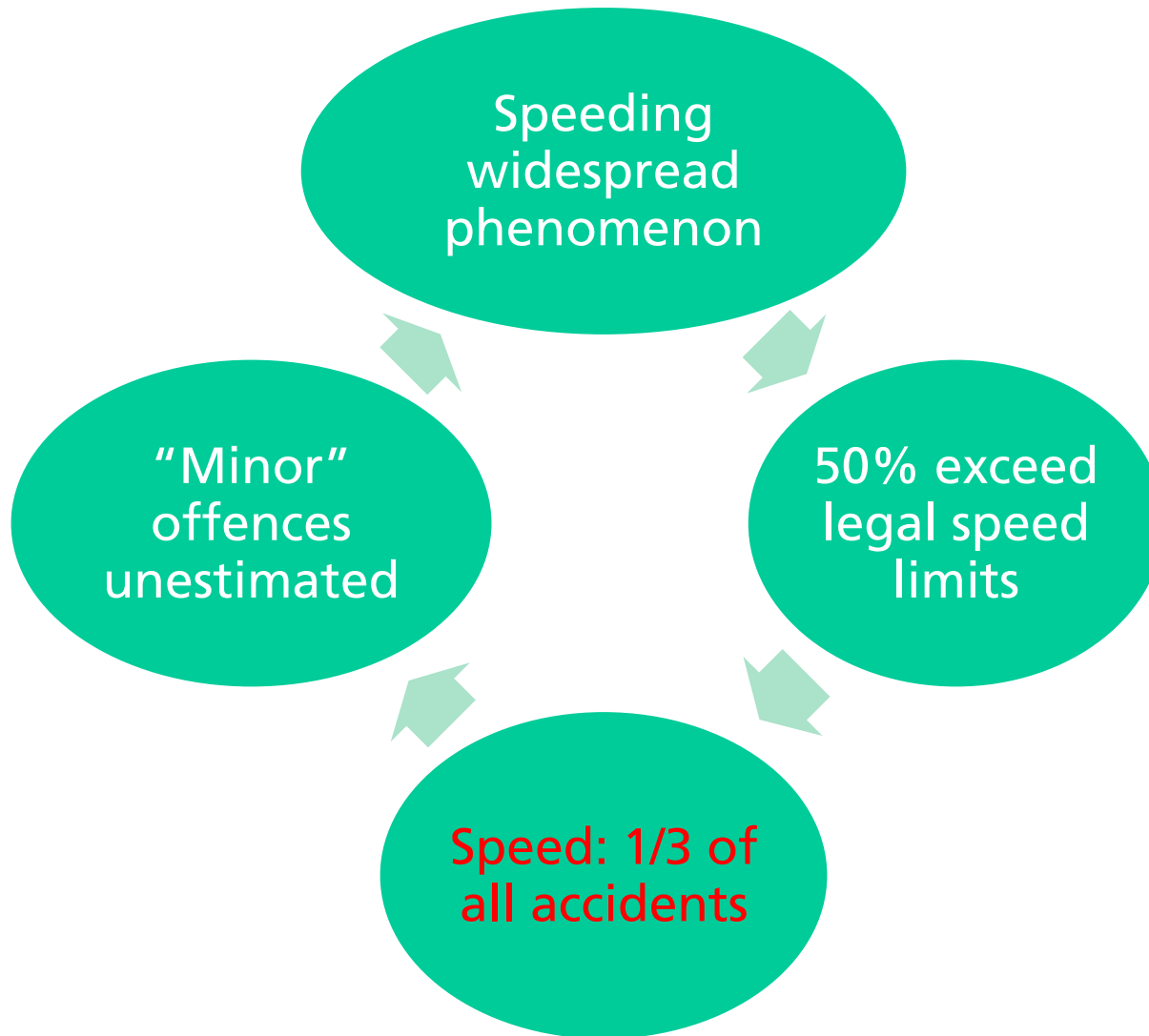
Measures	Reductions 2010 (Mt CO2.eq.)	Pilot	Horizon
Reduction in emissions relating to action on vehicle engine technology	3.0	Ministry of Transport	2008
Application of the directive on biofuels	7.0	MINEFI	Gradual up to 2010
Clear information on energy consumption (Energy Label)	0.2	Ministry of Transport	2005
Bonus/surcharge for vehicle purchase	1	MINEFI/Ministry of the Interior/MEDD	As soon as possible
Compliance with speed limits	3.0	Ministry of Transport	Gradual since 2002
Awareness of the effect of a less aggressive driving style as a topic in the driving test	0.7	Ministry of Transport	2005
Development of collective urban transport systems	0.2	Local municipalities	2005
Improvement in company logistics	0.5	ADEME	2005
Rail freight		Ministry of Transport	Gains after 2010: 0.7 Mt
Hight speed train network		Ministry of Transport	Gain after 2010: 0.6 Mt
Maritime Highways	0.2	Ministry of Transport	2006
Air transport	0.5	Ministry of Transport	2007
Reminder: Air conditioning			
Total sustainable transport	16.3		

Speed Management and climate change



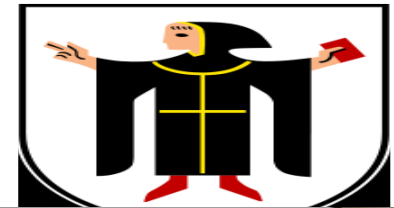
relationship between speed enforcement and CO2 reduction (Anable et al., 2006)

State of play



What is STARS?

An 18 months ETSC pan European project taking actions against speeding on our roads through the work of students!



- 6 Participating countries
- Germany
- France
- Romania
- Czech Republic
- Greece
- Spain



How does 'STARS' Work?



1. University lecture tour to recruit students



2. Students apply online to take part in STARS



3. Challenge: after returning to their home country **students in pairs carry a speed management activity** with the support of ETSC and its partners



4. European Award Ceremony: Best projects receive award (March 2011)

What should the Students do?



Run a local
speed
management
action



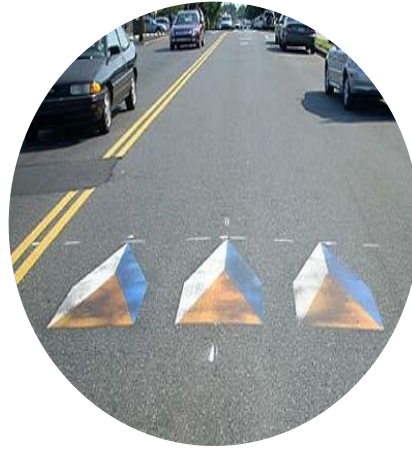
Best projects need to involve a
local authority/ company

Knowledge from
the STARS camp
and support
given by ETCS



Low cost and
easy to
implement

Examples: a lot can be done!





ShLOW_Final_Report Jose.pdf

Bookmarks

Pages

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TELEPRENSA.ES

PRIMER PERIÓDICO DIGITAL DE ALMERÍA



“ Manuel Ángel Blanco,

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PUEBLO A PUEBLO | CAPITAL | PROVINCIA | SOCIEDAD | ECONOMÍA | CULTURA Y OCIO | DEPORTES | MOTOR

» Almería » Provincia » Albox apoya un proyecto que reducirá la velocidad...

Sábado, 09 de Enero 2010

ALMERÍA

TITULARES: » Al-Attayah reduce diferencias con u

Albox apoya un proyecto que reducirá la velocidad de los vehículos en la Avenida de la Igualdad

08-01-2010 10:44



López Sánchez con el alcalde

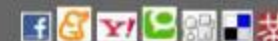
ALBOX.- José López Sánchez, estudiante de Ingeniería de

COMPARTIR ESTA NOTICIA

COMENTAR

IMPRIMIR

ENVIAR POR EMAIL



Ed
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El e
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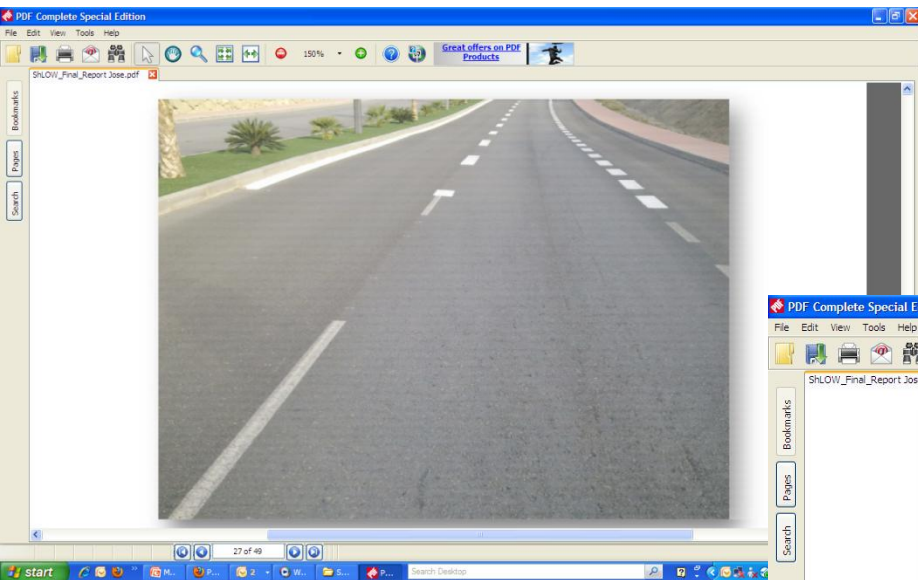
Níjar cede una parcela para la ubicación de una

AGENDA

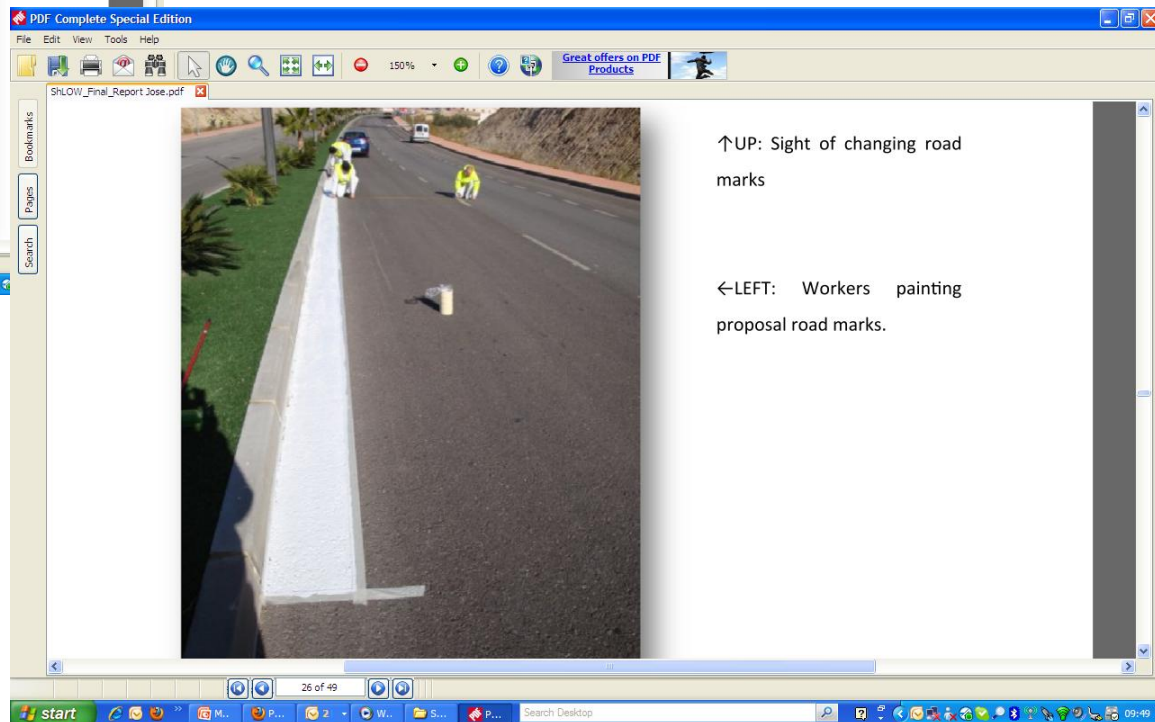
MAS L

Spanish winner 2009

Before



After



Swedish winner 2009


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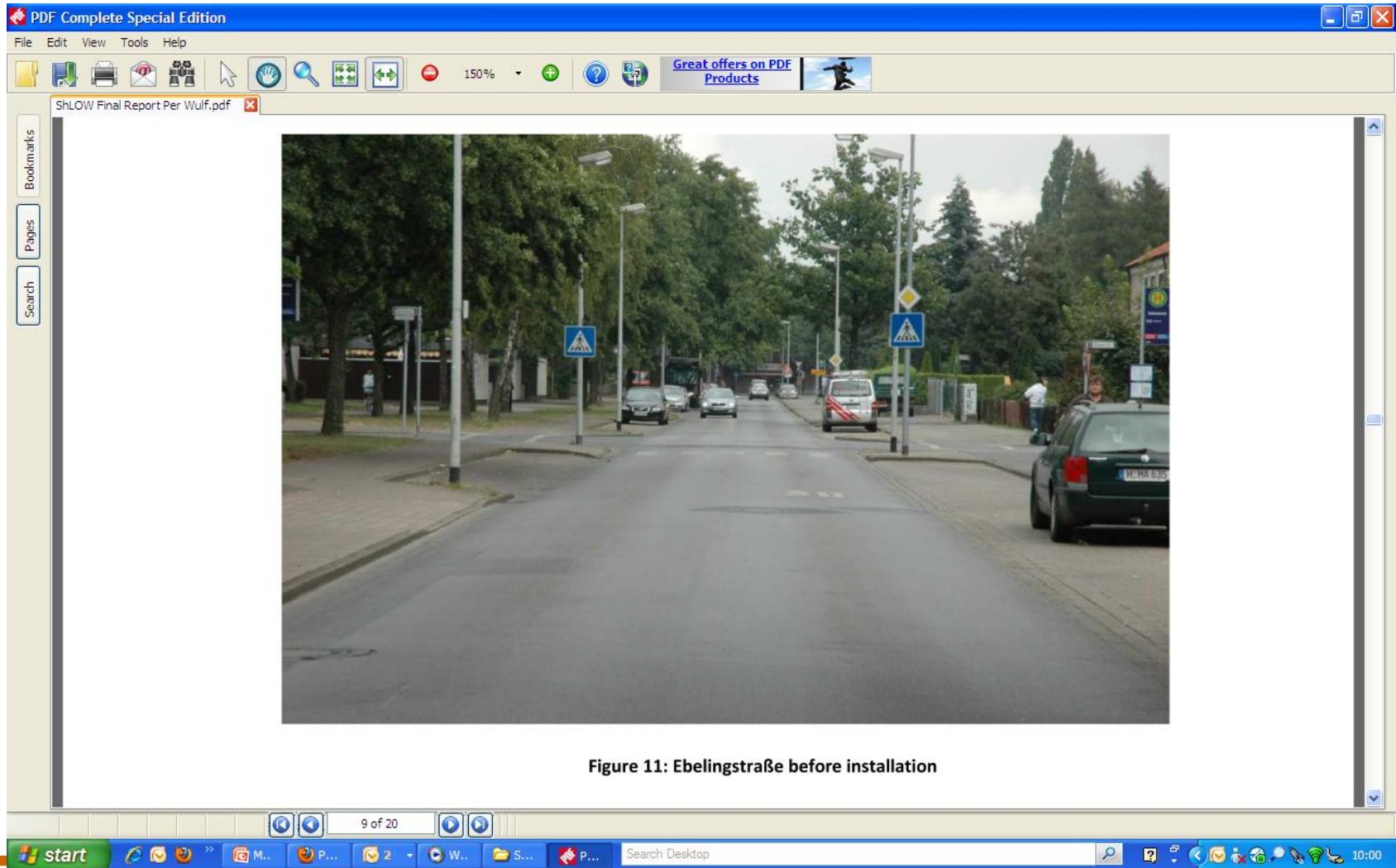
start M... P... 2 W... S... P... Search Desktop 09:57

European Transport Safety Council

The image displays a PDF viewer window titled 'ShLOW Sweden Posten Project Report.pdf'. The viewer interface includes a menu bar (File, Edit, View, Tools, Help), a toolbar with various icons, and a sidebar with 'Bookmarks', 'Pages', and 'Search' buttons. The main content area shows a grid of six photographs: two women in winter gear, a man and woman with documents, a yellow truck at night, a fleet of yellow trucks, a truck in a parking lot, and a group of five people indoors. The Windows taskbar at the bottom shows the Start button, several open applications, a search bar, and system icons including the clock showing 09:57. The text 'European Transport Safety Council' is visible in the bottom left corner.

German winner 2009

Before



German winner 2009

After implementation

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ShLOW Final Report Per Wulf.pdf



FARBIGE HINGUCKER: Die Markierungen auf der Fahrbahn sollen auf Tempo 30 und den Fußgänger-Überweg hinweisen. Foto: Schaarschmidt

Unfallforschungsprojekt: Rot-grüne Warndreiecke sollen Fußgängerüberweg sicherer machen

VON MICHAEL KRISCHE

HANNOVER. Über diese Fahrbahnmarkierung wundern sich die Autofahrer auf der Bothfelder Ebelingstraße: Ein schlankes rotes und ein schlankes grünes Dreieck, Spitze auf Spitze, warnen vor dem Fußgängerüberweg an der Ecke Tollenbrink.

Ein Unikat – das Zeichen gibt es kein zweites Mal. „Ein Projekt der MHH-Unfallforschung für mehr Verkehrssicherheit in Zusammenarbeit mit uns“, so Peter Freiwald vom städtischen Fachbereich Tiefbau. Hintergrund ist ein europaweiter Wettbewerb im Rahmen des EU-Projekts „Slow“ (zu Deutsch „langsam“).

„Ein Modellversuch zur Erprobung von innovativen Methoden der Geschwindigkeitsreduzierung“, so der Leiter der MHH-Unfallforschung, Professor Dietmar Otte, zur NP. Die langgestreckten Warndreiecke hat sich der MHH-Student Per Wulf ausgedacht. Ort: Die Länge von 14 Metern ist darauf ausgelegt, dass ein Auto rechtzeitig vor dem Überweg zum Stehen kommt.“ Die Stadt begleitet das auf etwa zwei Wochen ausgelegte Experiment mit vergleichenden Geschwindigkeitsmessungen. Nachgewiesen werden soll, ob sich durch die Markierungen das Tempo der Autofahrer tatsächlich vermindert hat. Vorgeschrieben ist im Bereich des Überwegs Tempo 30. Der Überweg in Bothfeld wurde ausgewählt, weil er von Schulkindern benutzt wird und von der MHH aus schnell zu erreichen ist. Vielleicht bleibt es ja nicht beim Modellversuch. Otte: „Es könnte sein, dass sich diese Idee als geeignet auch für andere Stellen herausstellt.“

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start M... P... 2 W... S... P... Search Desktop 10:02

Why should I Apply?

An opportunity today:
Use your concrete knowledge to solve a serious problem

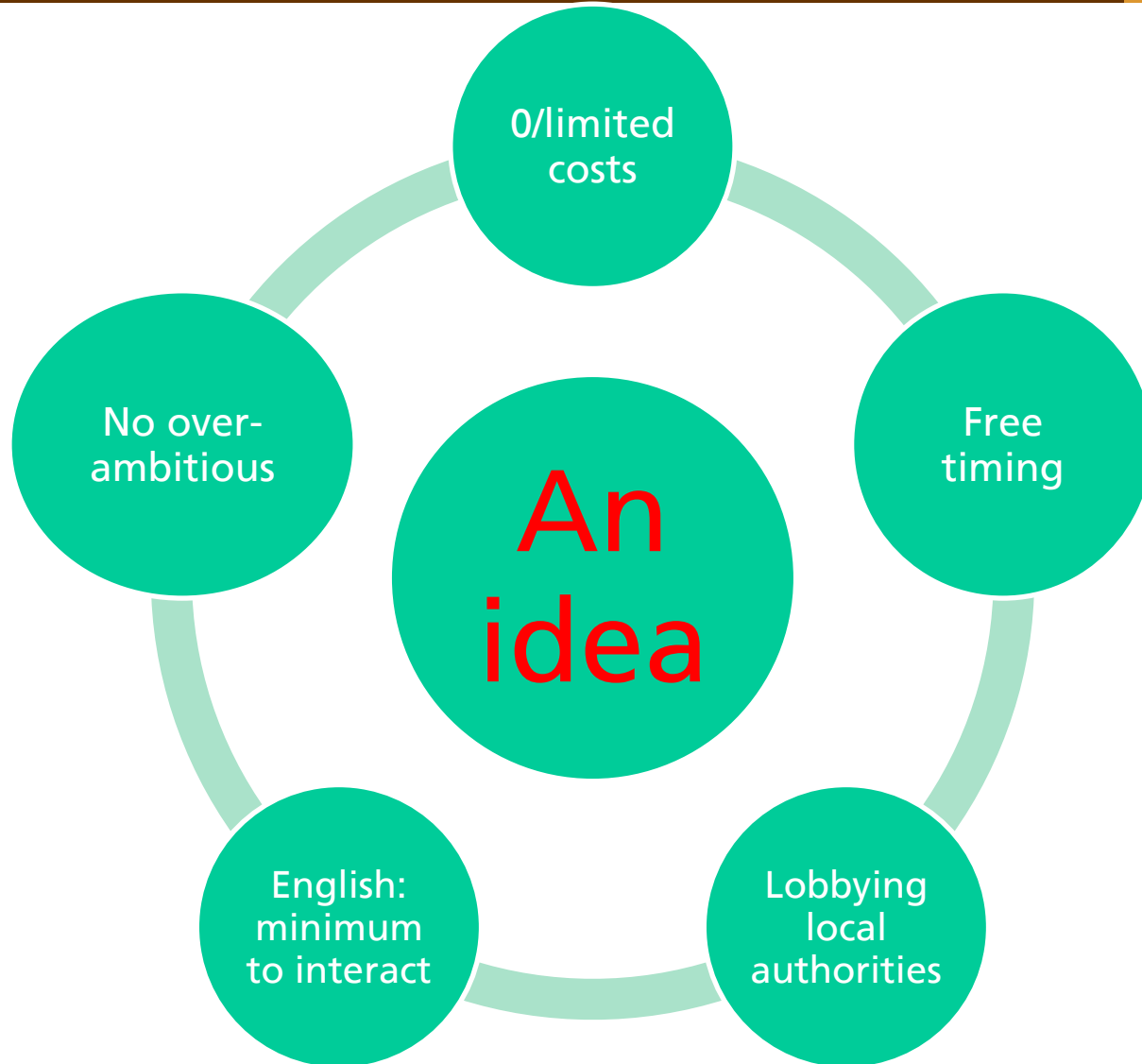
An opportunity for the future:
STARS can be a significant gateway for future careers opportunities



An opportunity to learn:
Free training on both technical safety matters and on road safety campaign from international experts

An opportunity to win:
You will receive a substantial award if you do your best in STARS given by a recognised international body

To sum-up



How can I Apply?

- Online: go to
 - [Http://www.surveymonkey.com/s/etsc](http://www.surveymonkey.com/s/etsc)
- Before 15 July 2010

The form includes:

- Personal details
- Motivation
- Speed management activity idea
- Any other thoughts

Thanks for your attention!
For more information on
European Transport Safety Council
www.etsc.eu

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