

Monitoring Performance Indicators - A progress towards Vision Zero

Ylva Berg, Swedish Road Administration

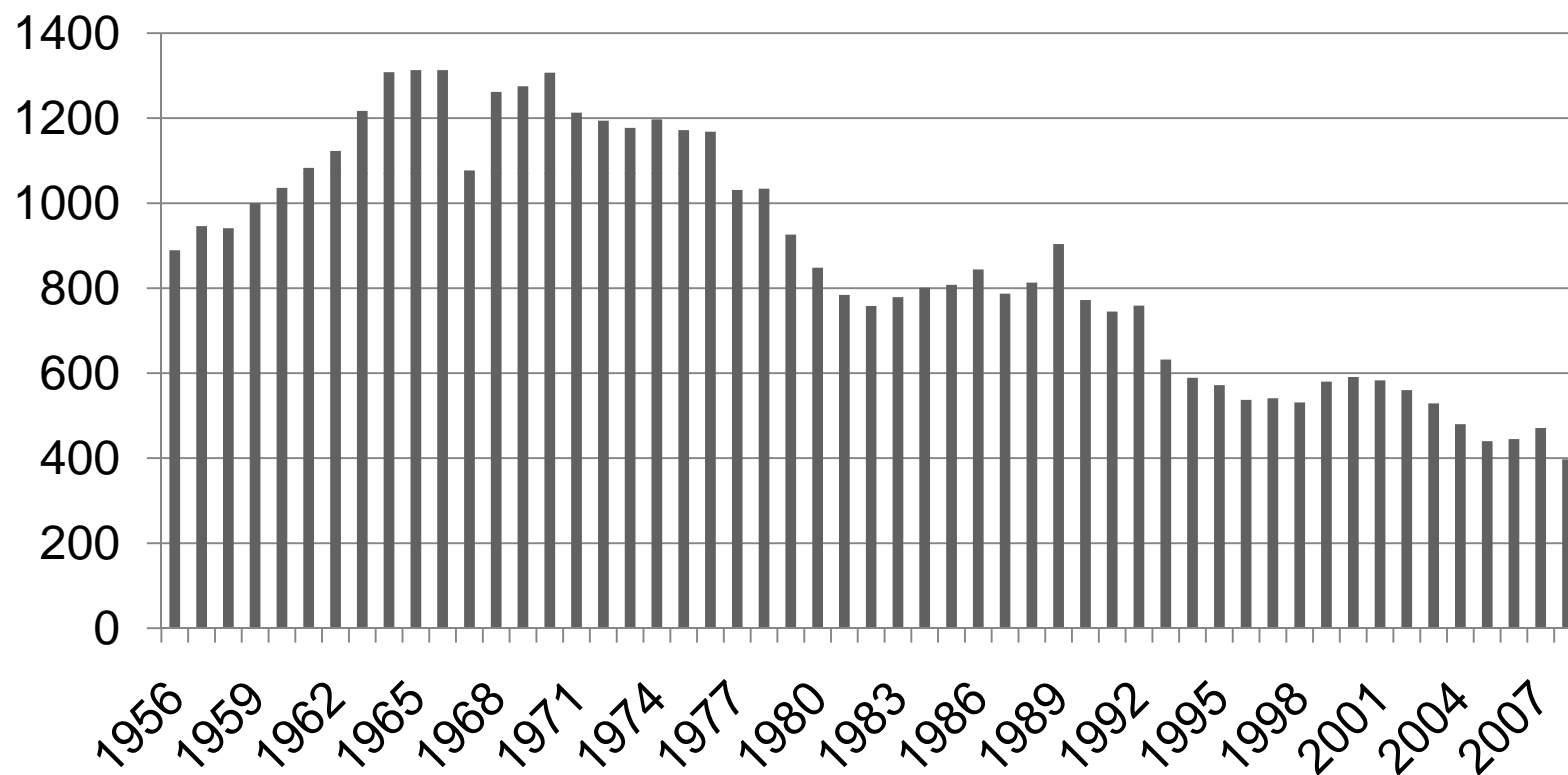
4th IRTAD CONFERENCE
*Road safety data: collection and analysis
for target setting and monitoring performances and progress*

Seoul, 16-17 September 2009

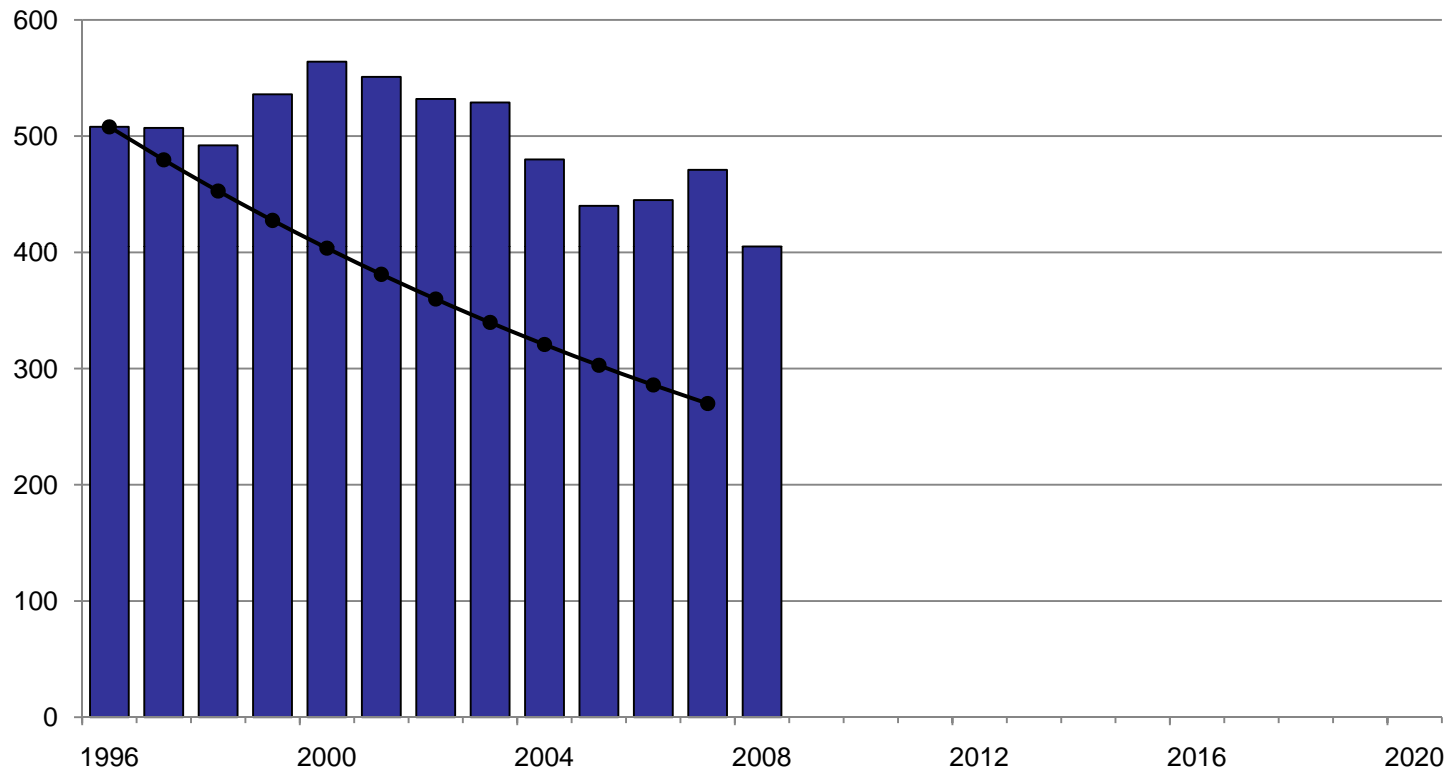




Killed in road traffic in Sweden 1956 - 2008



Failed interim target in 2007



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Management by objectives

- Collaboration
- Usage of RSPI:s for evaluation closer to activities
- Annual follow up

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Cooperation at conception

The Swedish Road Administration
The National Police Board
Sweden's municipalities and county councils
Toyota Sweden AB
Folksam
The National Society for Road Safety
Ministry of Enterprise, Energy & Communications
Swedish Work Environment Authority
Swedish Taxi Association
The Swedish Bus & Coach Federation
Swedish Association of Road Haulage Companies

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Obtaining numeric interim target

<u>Indicator</u>	<u>Objective</u>	<u>Start</u>	<u>Effect</u>
Speed	100 %	43 %	150 lives
Seat belt	99-100 %	96 %	40 lives
Car safety	100 %		40 lives
Rural roads		Undefined	50 lives
Urban roads	100 %	Undefined	30 lives
Drink-driving	0 %	0, 24 %	50 lives
Bicycle helmet	100 %	25 %	10 lives

(TOI report 930/2007)

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Obtaining numeric interim target (cont.)

<u>Indicator</u>	<u>Objective</u>	<u>Start</u>	<u>Effect</u>
1. Speed (rural)	80 %	43 %	88 lives
2. Speed (urban)	Increase by 86 %	Not defined	29 lives
3. DUI	99,9 %	99, 76 %	30 lives
4. Seat belt	99 %	96 %	40 lives
5. Bicycle helmet	70 %	25 %	10 lives
6. Car safety	100 %	60 %	90 lives
7. Heavy vehicles	100 %	0 %	25 lives
8. Rural roads	75 %	52 %	62 lives
9. Urban roads:1	Not defined	25 %	
10. Urban roads:2	Not defined	50 %	30 lives (9+10)
11. Emergency	Not defined	Not defined	
12. Fatigue	6 %	12 %	
13. Valuing of road safety			20 lives(11,12,13)

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Obtaining numeric interim target (cont.)

Reduction of number of fatalities at target fulfillment for all RSPI:s	-424
Adjustment for double effects (factor 0,6)	- 254
Fatalities 2005-2007, average	460
Possible goal level year 2020 (460-254)	206
Interim target by year 2020	220

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Parliament decision in May 2009

- Interim target: reducing the number of fatalities in traffic by 50 % until year 2020. (Base year 2006-2008).

Corresponds to maximum 220 persons in 2020.

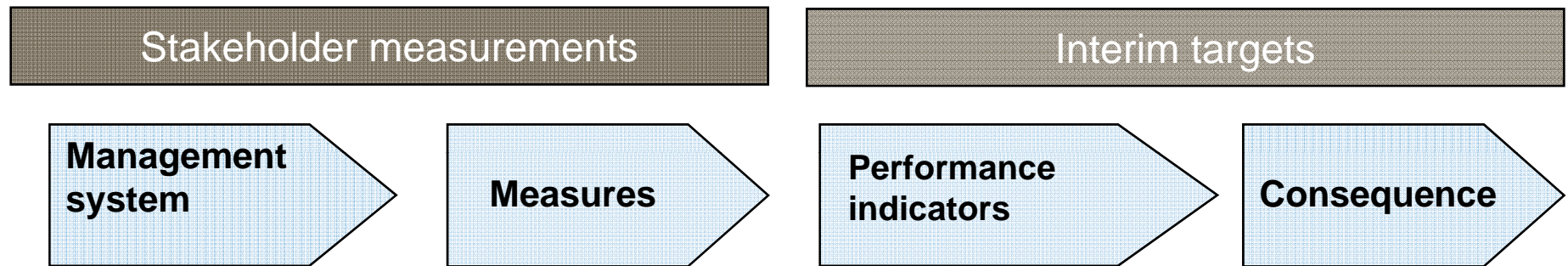
- Interim target: reducing the number of severely injured in traffic by 25 % until year 2020. (Base year 2006-2008).

Corresponds to app. Maximum 4 000 persons in 2020.

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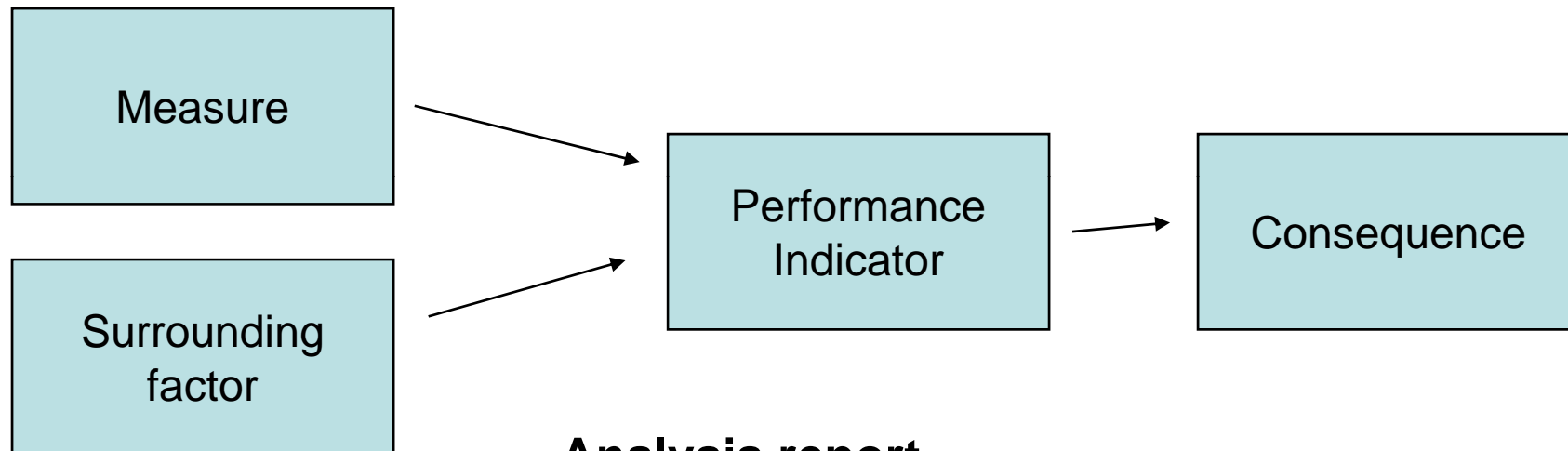
Systematic monitoring



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The analysis task



Analysis report

Swedish Road Administration

Swedish Transport Agency

The Swedish National Road and Transport Research Institute (VTI)

Swedish Institute for Transport and Communication Analysis (SIKA)

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Annual Result conferences

- Presentation of Analysis report
- Presentation of stakeholder activities
- Interim targets may be revised and adjusted

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International panel of experts

Chaired by Rune Elvik, Norway

Matti Roine, Finland

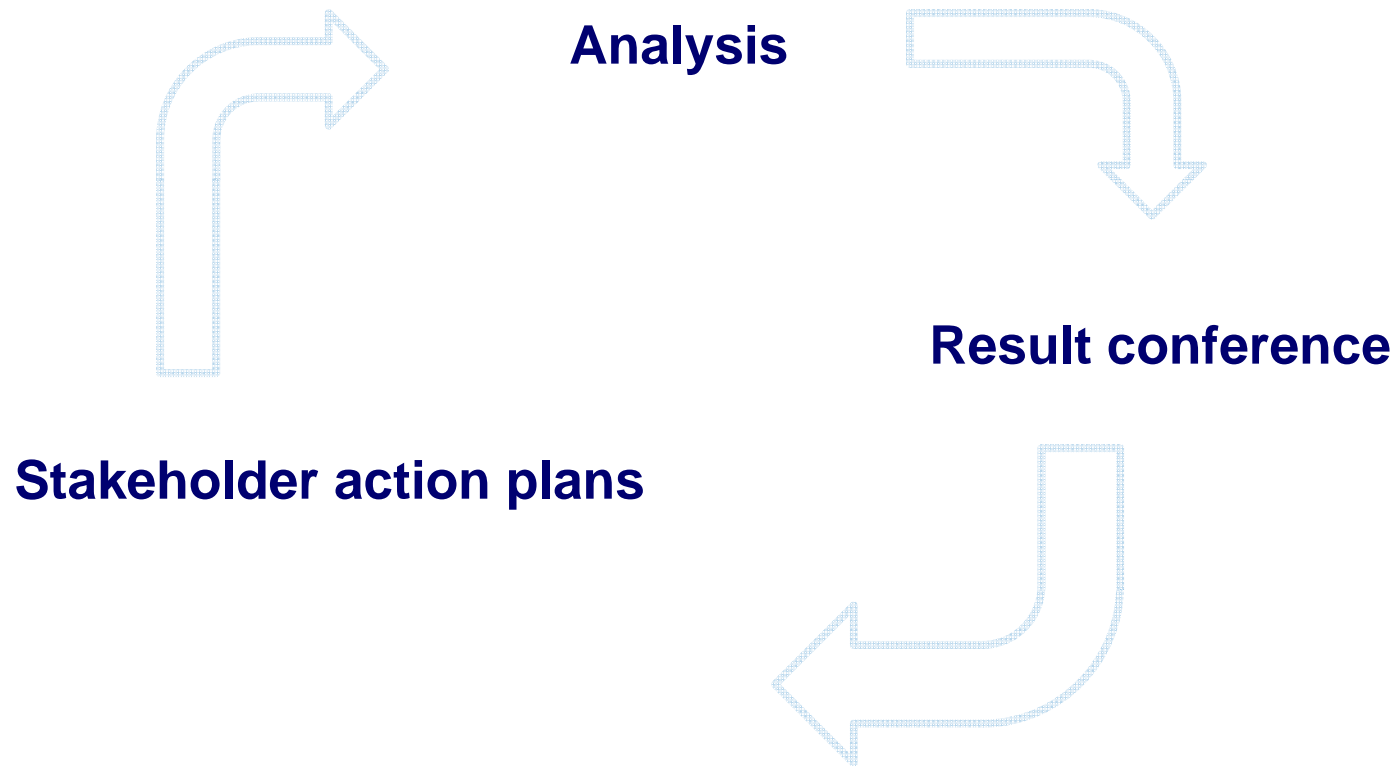
Harry Lahrman, Denmark

Jörg Beckmann, Germany

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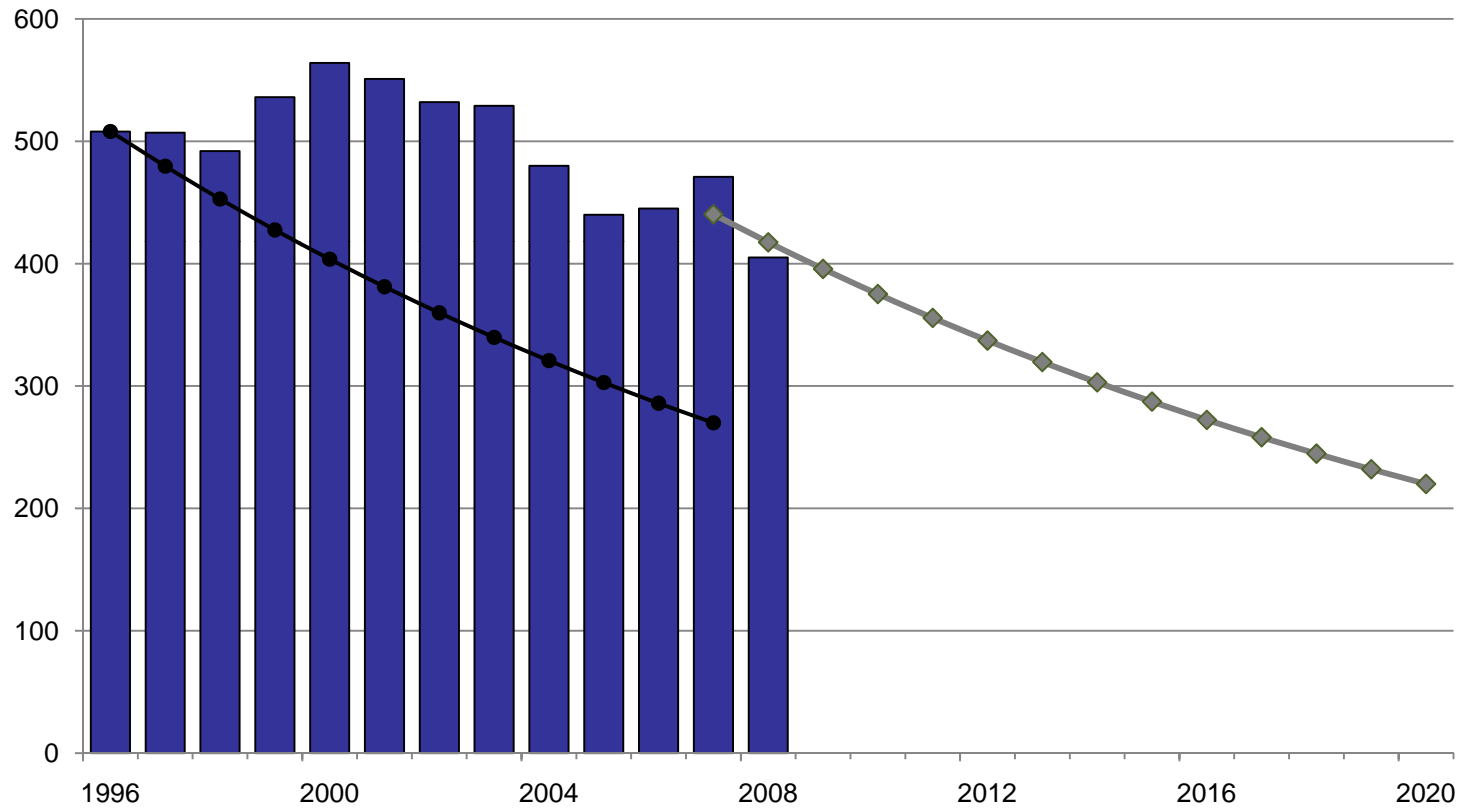
Systematic improvements



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The challenge for 2020



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