

**SMART policies for
tackling drink
driving.
Helsinki
5 October 2017**

***Swedish
experiences of
alcogates***



TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION

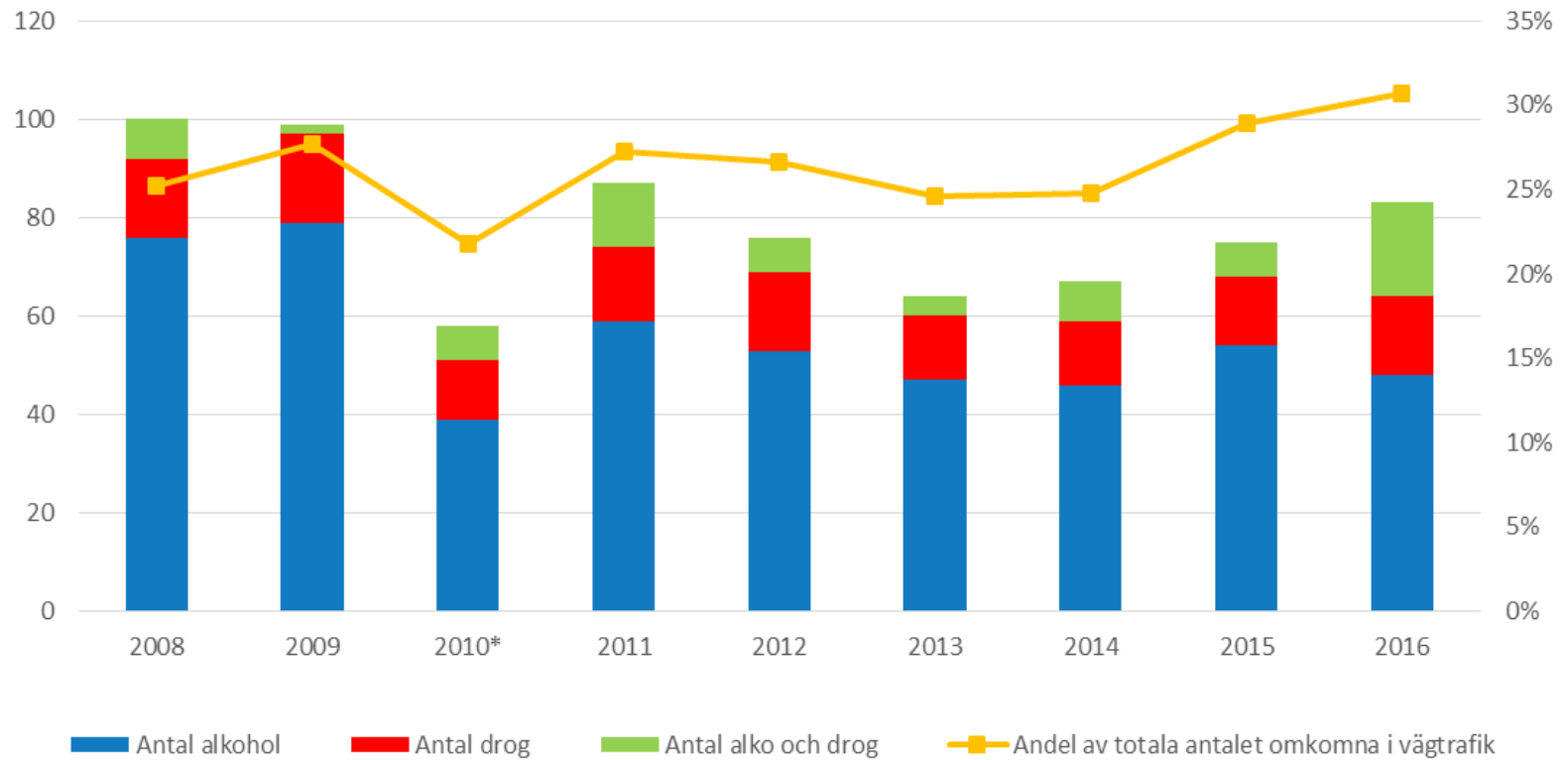
Liza Jakobsson

Data; fatal alcohol- drug related traffic accidents

Field tests and experiences

What's going on now in Sweden

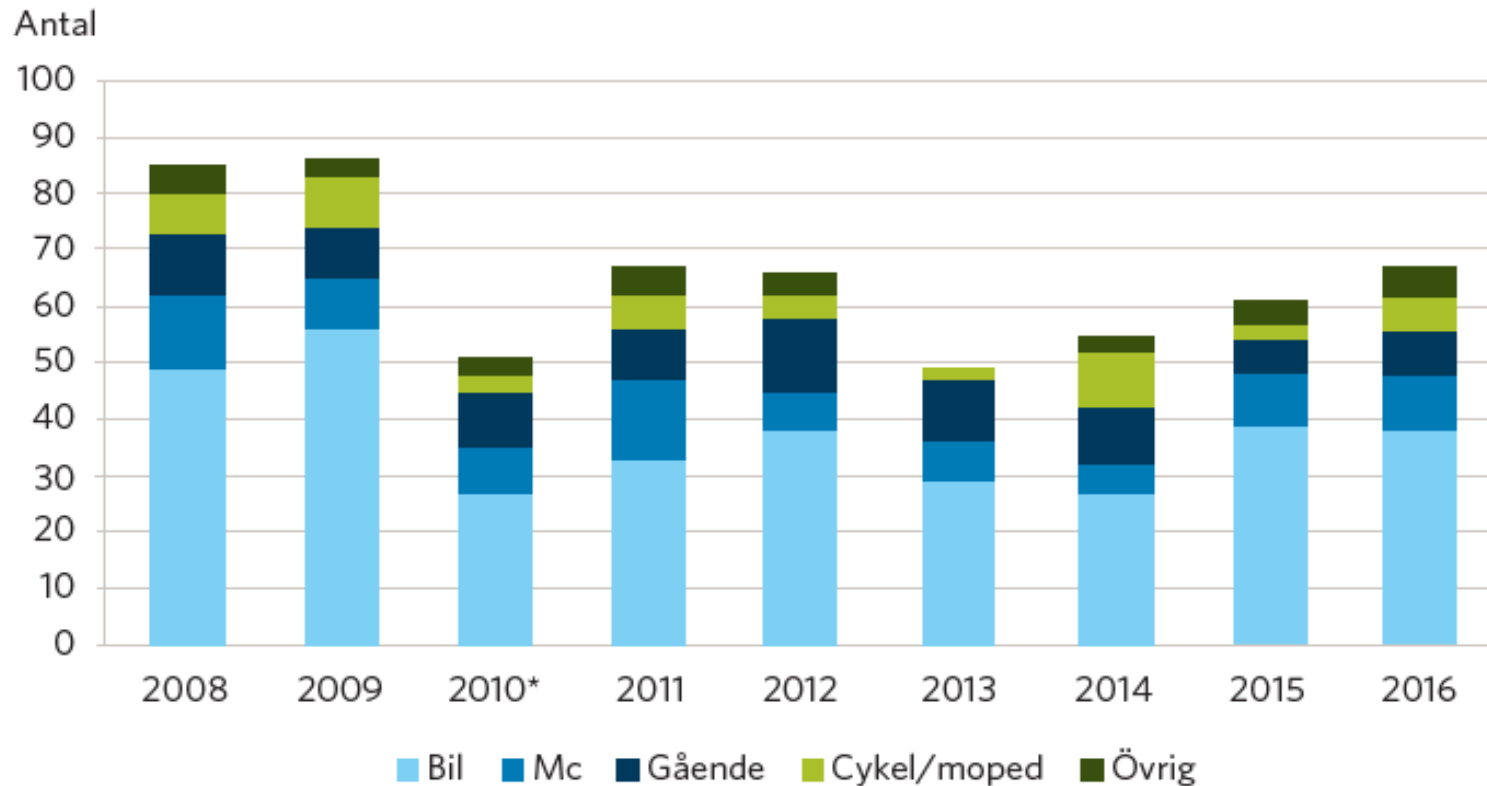
Number of persons killed in alcohol- and drugrelated road accidents. (Alcohol > 0,2 ‰.)



Number alcohol. Number drug. Number alcohol and drug. Share of drunk persons among all persons killed in road traffic

Source; Swedish Transport Administration's in-depth studies
 * From 2010 - excluding suicide

Number of individuals killed in alcohol-related accidents, divided by mode of transport 2008-2016

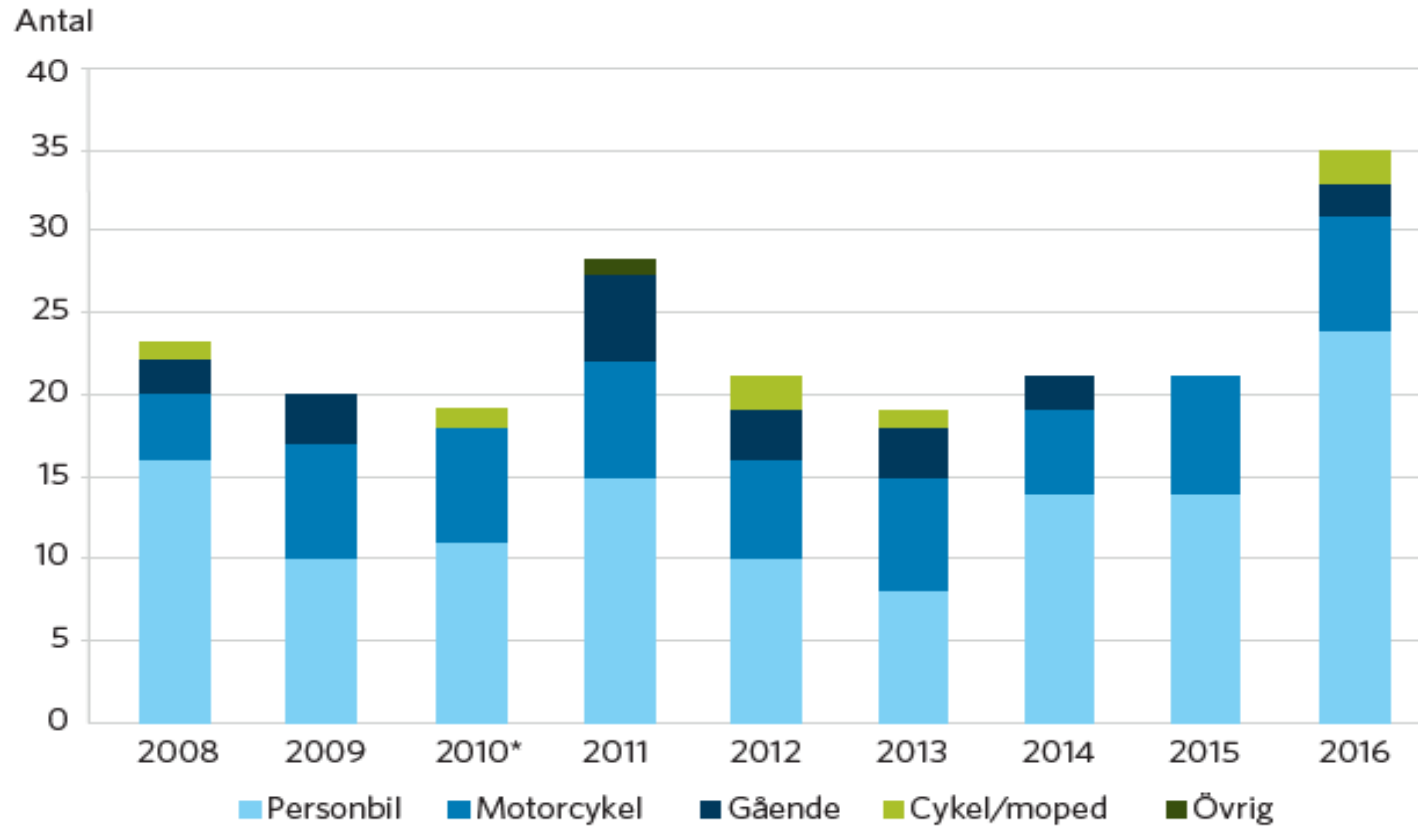


Passenger cars. Motorcycles. Pedestrians. Bicycles/mopeds, Other

Source: Swedish Transport Administration's in depth studies.

* From 2010 excluding suicide

Number of individuals killed in drug-related accidents, divided by mode of transport 2008-2016



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Alcogates

Two field tests in ports

- ✓ Gothenburg, 2013
- ✓ Stockholm, 2014/2015

Also installations in some trailer camping's.

Container ports and ferry ports have for a long time considered as risk environments as regards drunk driving.

The field tests has contribute a lot of knowledge butalso a lot of questions!

Police regulations - Need for special agreement (2013 --)

(The Swedish Police, The Swedish Customs, The Swedish Coast Guard and MHF)



Photo: MHF

Alcogates / Checkpoints

Gothenburg, 2013 – 20 weeks

8745 controls were made. 10 persons “blow red”, over legal limit.

The main purpose - to download experience

- to contribute knowledge – future discussions
- to ensure that nothing could stop field test (regulations)
- to find methods and forms of cooperation between the different actors
- by using IR-technique

MHF - project owner

(The Swedish Abstaining Motorist's Association)



Photo: MHF



Stockholm 2014/2015 – over 60 weeks

12469 controls were made. 87 persons "blow red", over legal limit

All installations more or less - unique solutions

Instructions in seven languages

The test procedure was supervised by an external management Centre



The facility was equipped with an automatic alarm, activated depending on circumstances e.g. failed test, too long before delivering a breath test,.....

Photos: Liza

Experiences “from ports”

The used alcosensor technique was stabile (IR-based)

Effective – stop driving under influence of alcohol.

*- But not, driving under influence of drugs. Either trafficking, smuggling
(Police-, Customs- or Coast Guard- controls)*

In these projects – most time no delay or queuing

Areas in ports often limited with logistic problems

Why only ports? Airport parking?

Mobile equipment – could compliment fixed. Traffic controls, festivals,

Hygienic aspects – need more R&D or other solutions.

100% working or limited random operation?

Needs personal resources – (national regulations, daily cleaning or other support, monitoring)

Communication and information are necessary (several language)

So far unique built solutions - a need of more business development and manufacturing



Photo: MHF

What's going on now in Sweden?

Mission to install alcogates in ports (and other relevant places)

One installation in operation, July 2018.

Combined installations, fixed and mobile solutions

Final report to the Ministry of Enterprise and Innovation – December 2020

Project NYKTRA, 2017-2021

“A new concept for controlling sobriety and supporting sobriety in the road traffic environment”

More user friendly, more mobile solutions and operations with limited need of authority resources”.

Three sub-projects; establishment, technology and legal issues

Cooperation between The Swedish Police and Swedish Transport Adm.

Alcosensors in DriveMe vehicles in Gothenburg

≈ 50 alcosensors installed



Euro N´CAP (*European New Car Assessment Programme*)
Cooperation between car manufacturer, authorities, organisations

“Star system”

Purpose: safer traffic, less personal injury in case accidents

In the next time plan; 2025 Roadmap

Testing and rating of systems detecting impaired driving are included.

Driver Monitoring

Thank you
for your attention!

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