

**Multi
Disciplinary
Crash
Investigations**

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In-depth Studies

September 25th, 2013
Genève



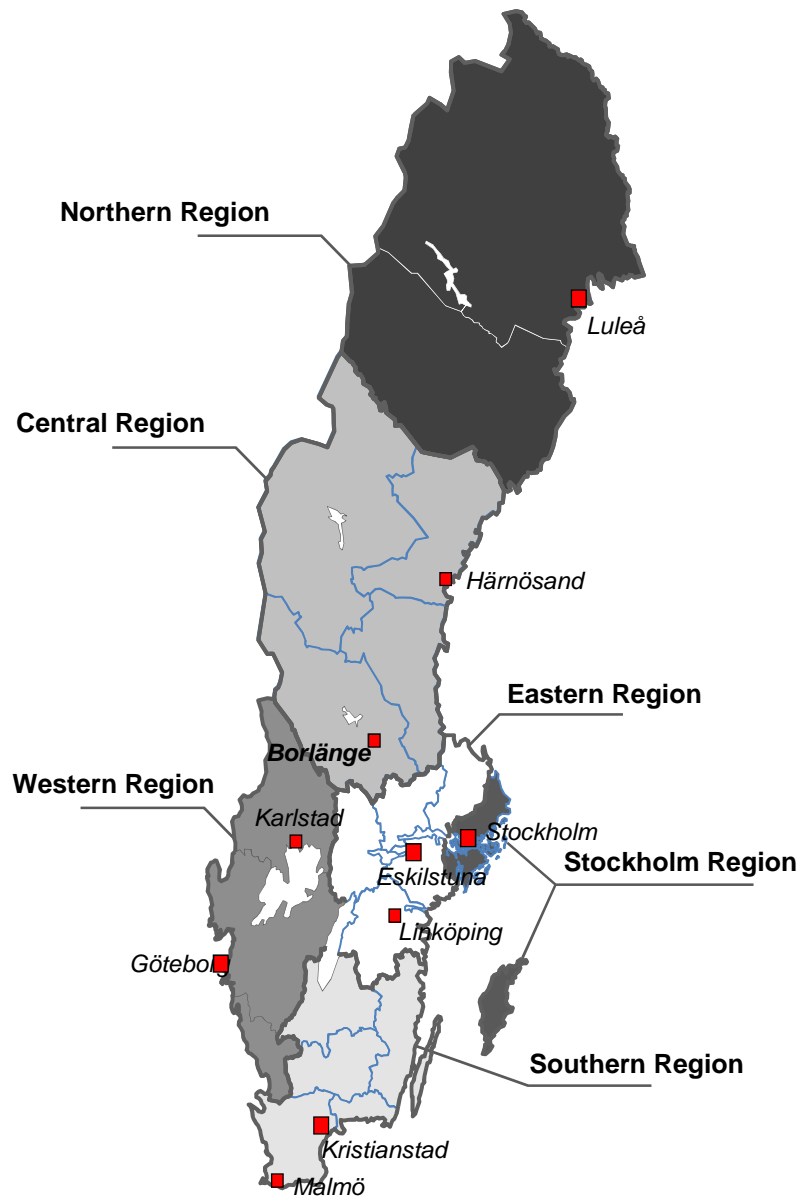
TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION

In-depth Studies: Accident Investigations

- Since 1997
- Vision Zero
- All fatal Road Traffic Accidents (RTA)
 - Death within 30 days of accident
 - All public roads

Purpose & Aim

- **Increase knowledge**
 - Accident occurrence
 - How fatal and severe injuries are sustained
- **Follow-up**
 - Number of killed in road traffic accidents yearly
 - Analysis of performance indicators
- **Improve safety in the transport system**



■ Location of Accident Investigators

Legal Aspects

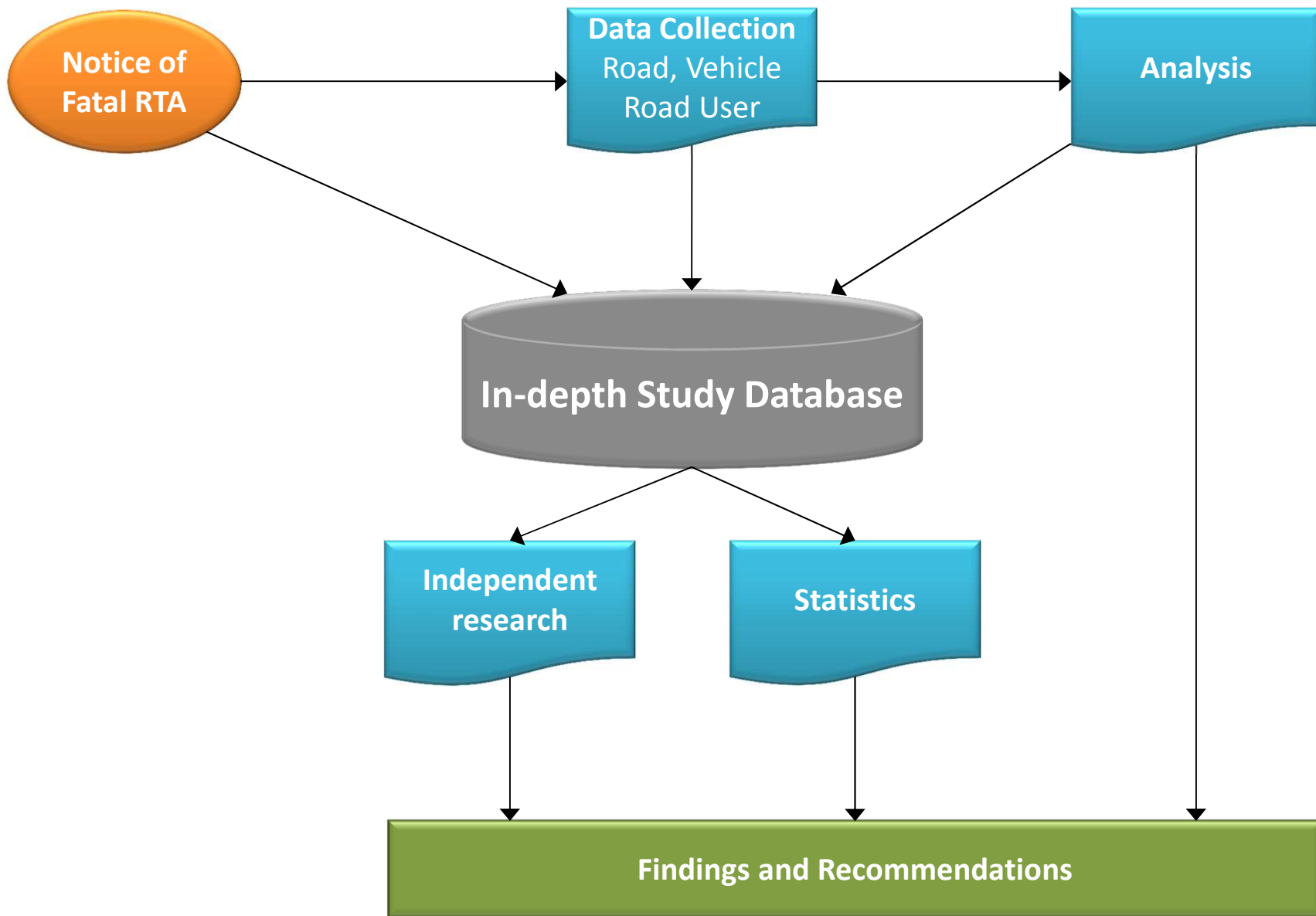
- Principle of Public Access
 - Entitles the general public and authorities to access official documents
- An In-depth study report is an official document
 - The Public Access to Information and Secrecy Act, SFS 2009:641 7§:
Secrecy is in effect for the STA in the field road traffic accident investigations

Supported by

- The Public Access to Information and Secrecy Law, SFS 2009:400 chapter 24 8§:
Secrecy is in effect regarding information about a persons personal or economic relations

Public Access to Information and Secrecy Act

<http://www.regeringen.se/content/1/c6/14/10/34/20793bb4.pdf>



Notice of
Fatal RTA

Access to Information Sources of Accident Occurrence

- Regional Traffic Control
- 112, Alarm Operator
- The Police

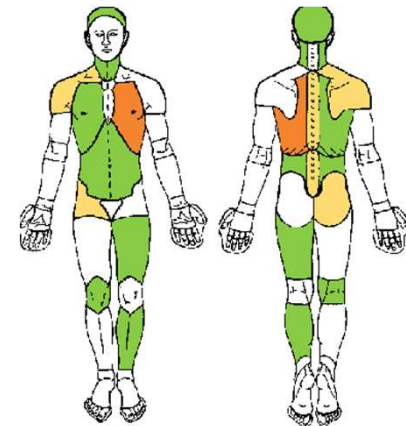
Access to Data Sources and Collection of Data Information



- Investigating the accident site
- The road owner



- Investigating the vehicle
- The Swedish Transport Agency



- The Police
 - National Board of Forensic Medicine
- The Swedish Transport Agency
- Rescue Service

Composition of the Analysis Group

Main Composition

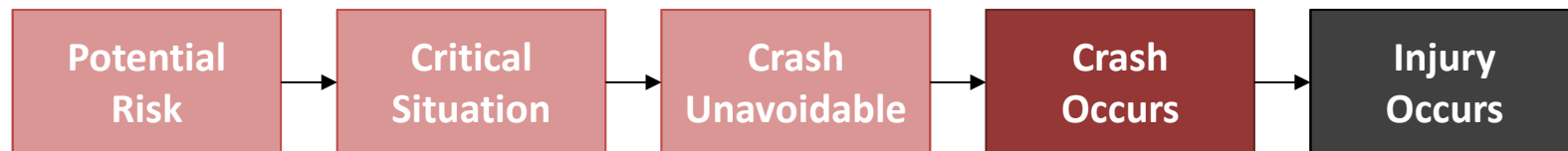
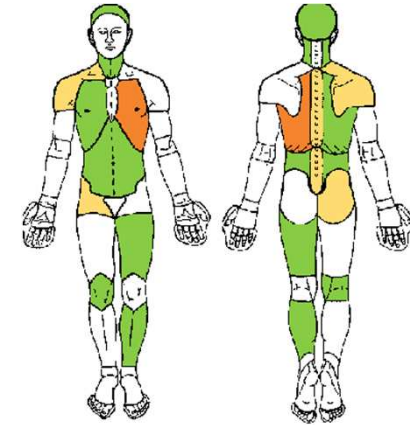
- Accident Investigator
- Road Safety Expert
- Road Designer
- Vehicle Engineer/Expert
- Behavioural Scientist
- Physician/Medical Expert

Additional Experts

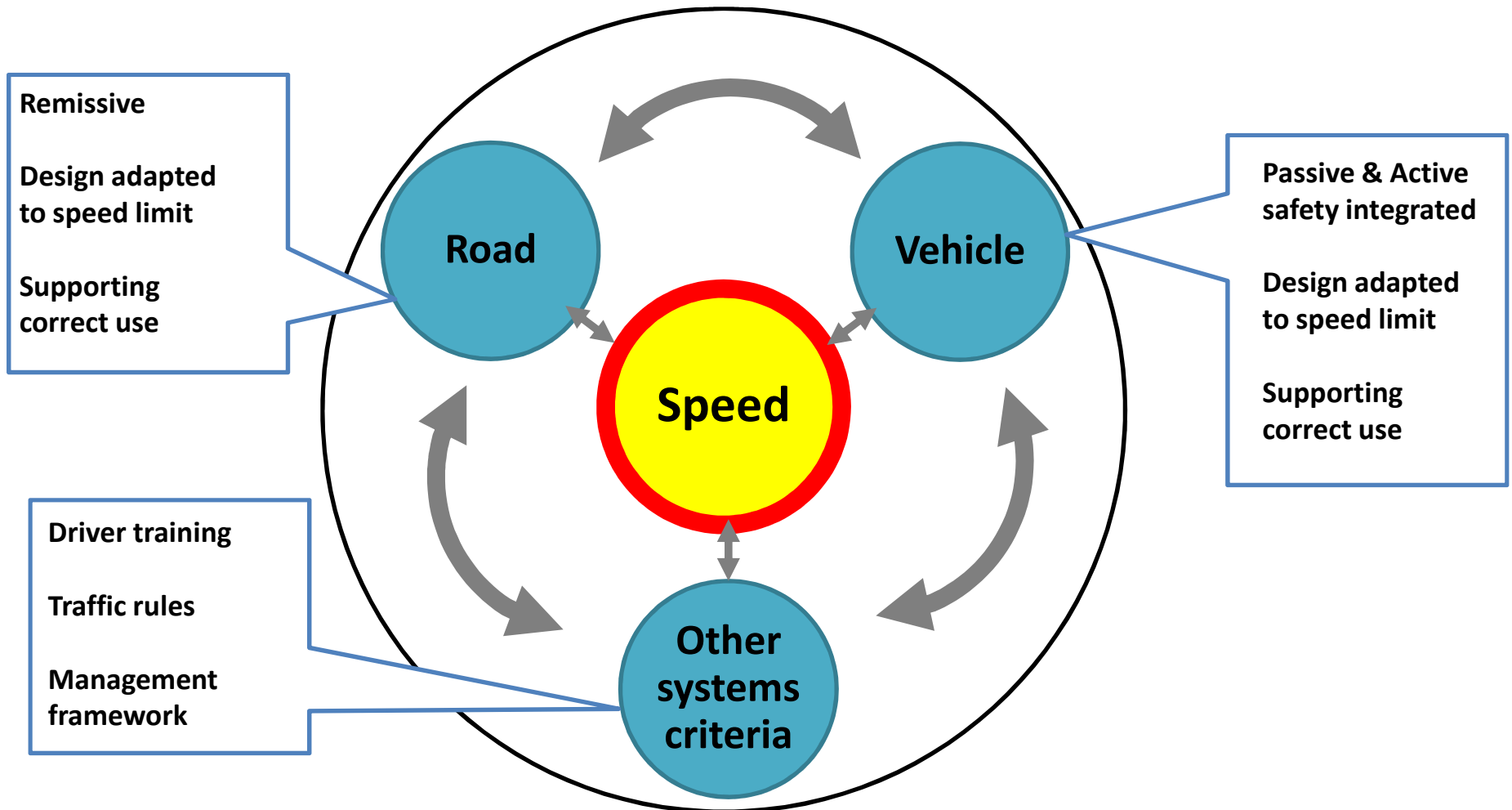
- Road Maintenance
- Road Keeper
- Police
- Rescue Service
- Road Rules & Regulations
- Vehicle Manufacturer
- ...

Analysis

Reconstruction and Analysis of the Accident and its Consequences



Model for Safe Road Traffic



Human Characteristics

- Mental and physical condition (Human Factors)
- Ability to withstand Impact Violence

Success Factors – My Experience

- Work from your own preconditions
- Be pragmatic and focus on problem solving
- Never lose sight of the aim and purpose!

Thank You for your Attention!

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