

11.00-12.30

SS57 (EU)

IVSS (Intelligent Vehicle Safety Systems) – A public-private research programme supporting the safe driving of tomorrow

Organiser

Swedish Road Administration, Sweden

Moderator: Torbjörn Biding Swedish Road Administration


Speakers: Michael L.Sena MLS Consulting AB, Sweden
Håkan Edler SP Swedish National Testing and Research Institute, Sweden

Per-Olof Sjölander Swedish Road Administration

Anders Lie Swedish Road Administration

Ingrid Skogsmo Volvo Cars Safety Center

Invitation: **IVSS-Lunch Venue** North Gallery Room 18



Intelligent Vehicle Safety Systems

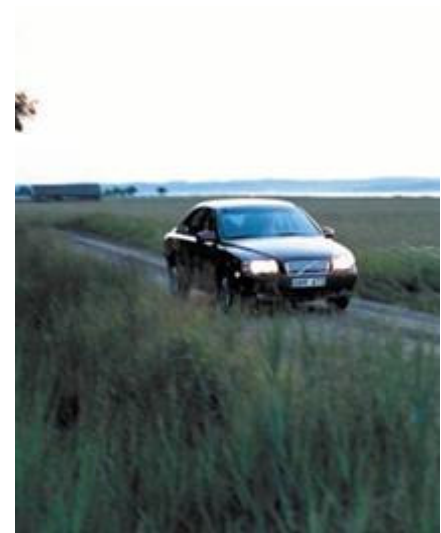
Supporting the safe driving of tomorrow

Torbjörn Biding
Program Director

What's in it for Europe

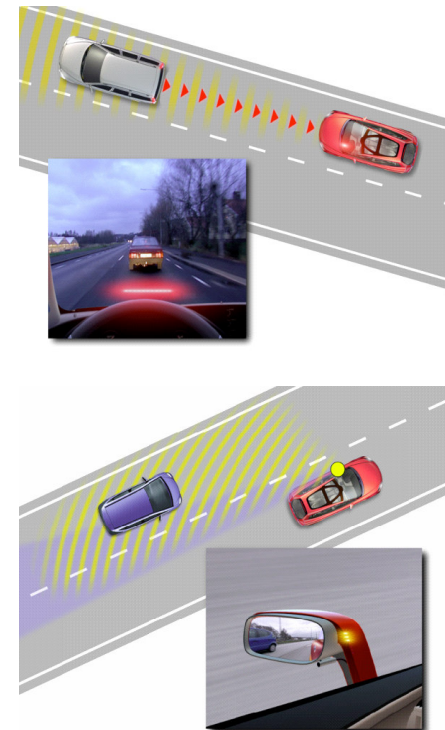
- **EU – yearly traffic injuries**
 - ✓ Fatalities: 43 000 people
 - ✓ Casualties: 1 500 000 people

- **EU – yearly cost of road accidents**
 - ✓ Medical costs: €12 billion
 - ✓ Society loss of income: €24 billion
 - ✓ 2% of the EU Gross Domestic Product

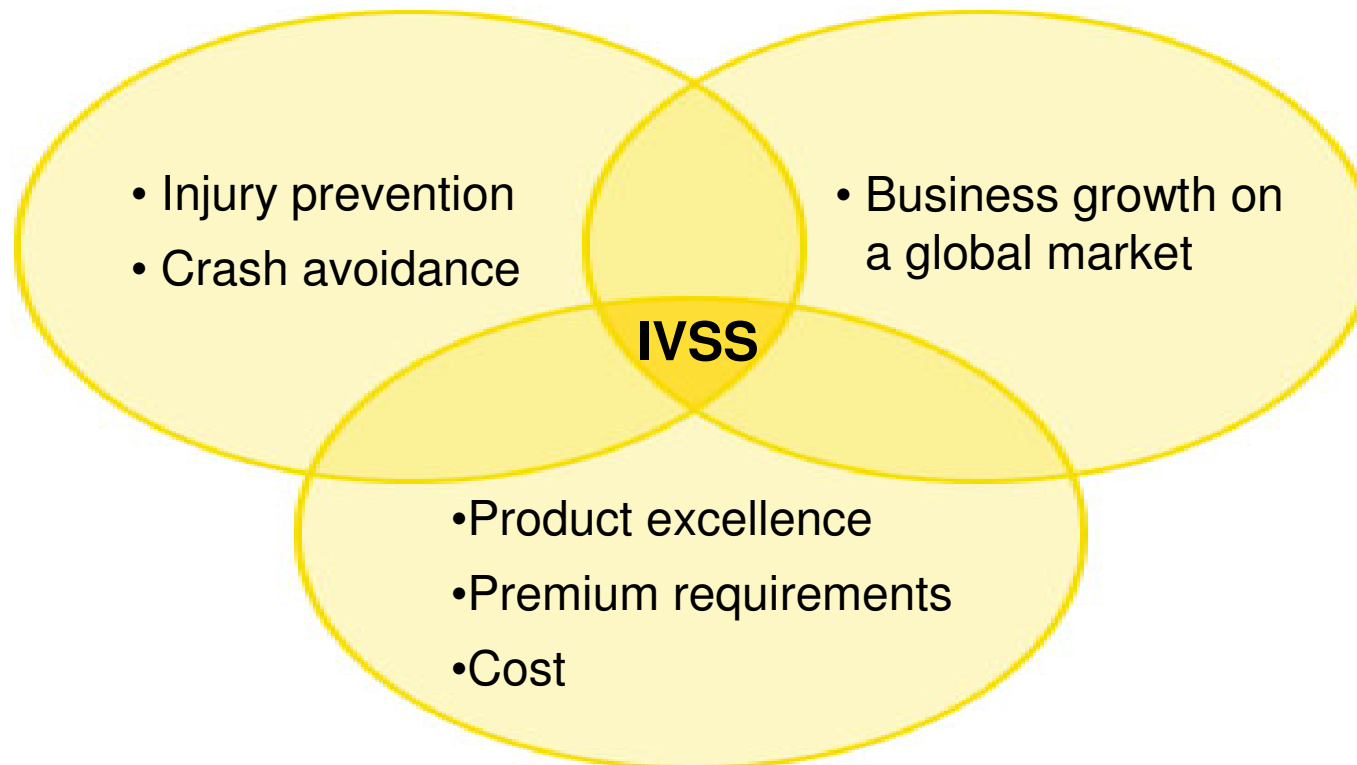


Emerging IVSS Sector









- Using IT and smart technologies to reduce fatalities and injuries
- Including infrastructure-dependent and vehicle-autonomous systems, and systems for improved safety for unprotected road users











IVSS Opportunity Areas



Partners and financiers

Authorities	Companies	Umbrella org.
  	   	

IVSS Program Budget in million € 2003-2008 (2010)

Authorities	Companies	Umbrella org.
  	   	
40 MEUR	30 MEUR	

Total 70 MEUR

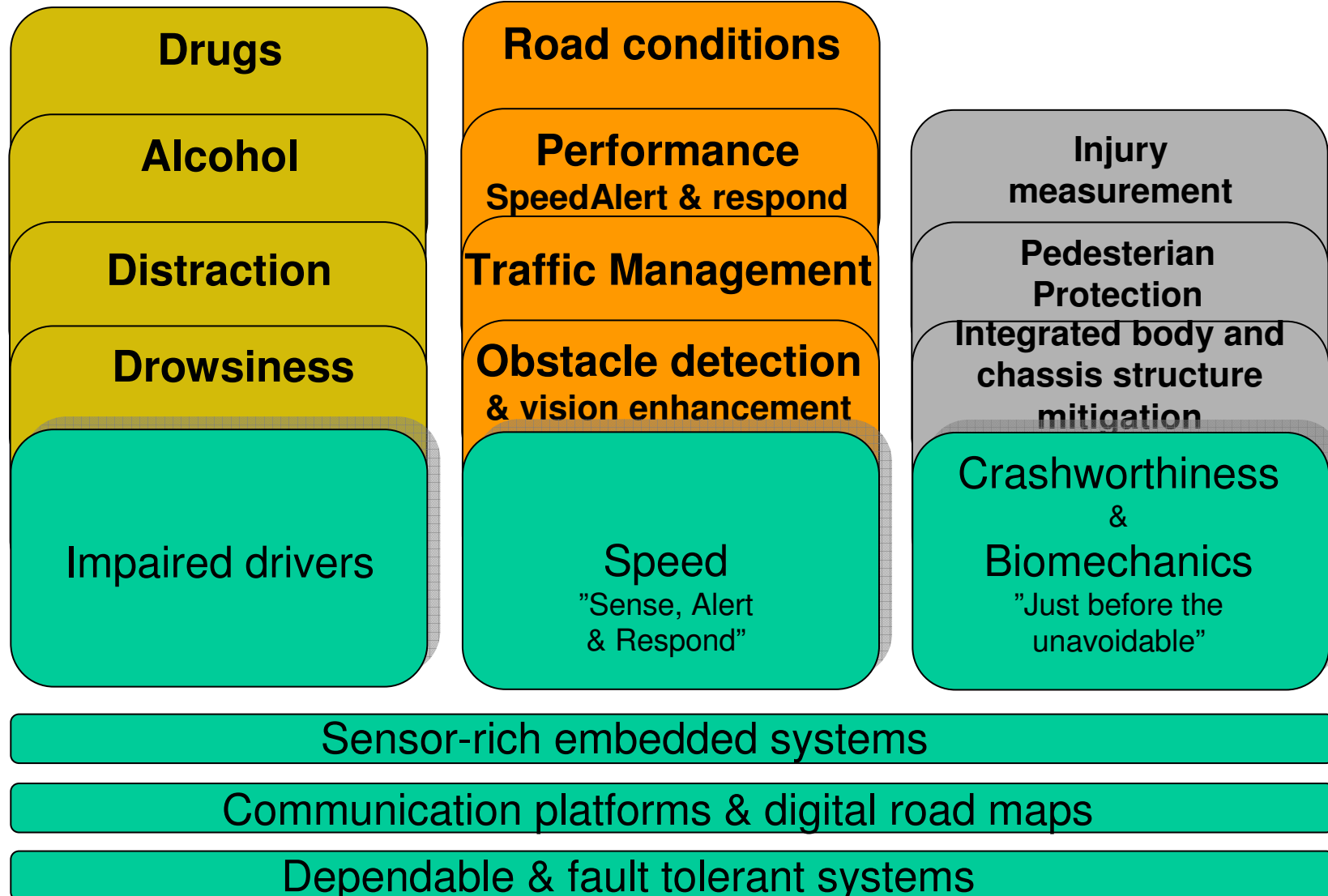
IVSS Project Portfolio - Subprograms

1. Communication platforms
2. Sensor – rich embedded systems
3. Driver support & HMI
4. Intelligent road infrastructure & telematics
5. Crashworthiness & biomechanics
6. Dependable systems
7. Vehicle dynamic systems



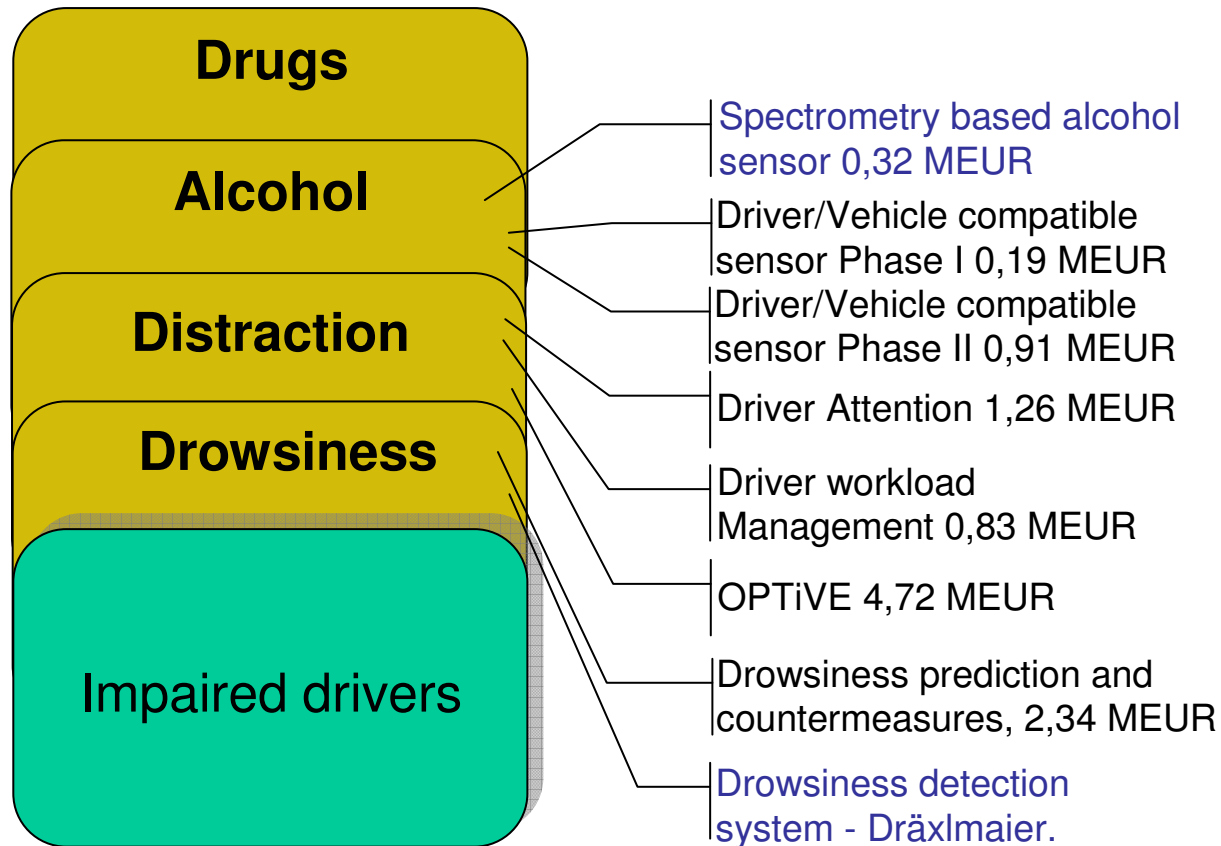
IVSS focus areas

A problem-oriented approach



IVSS focus areas

A problem-oriented approach



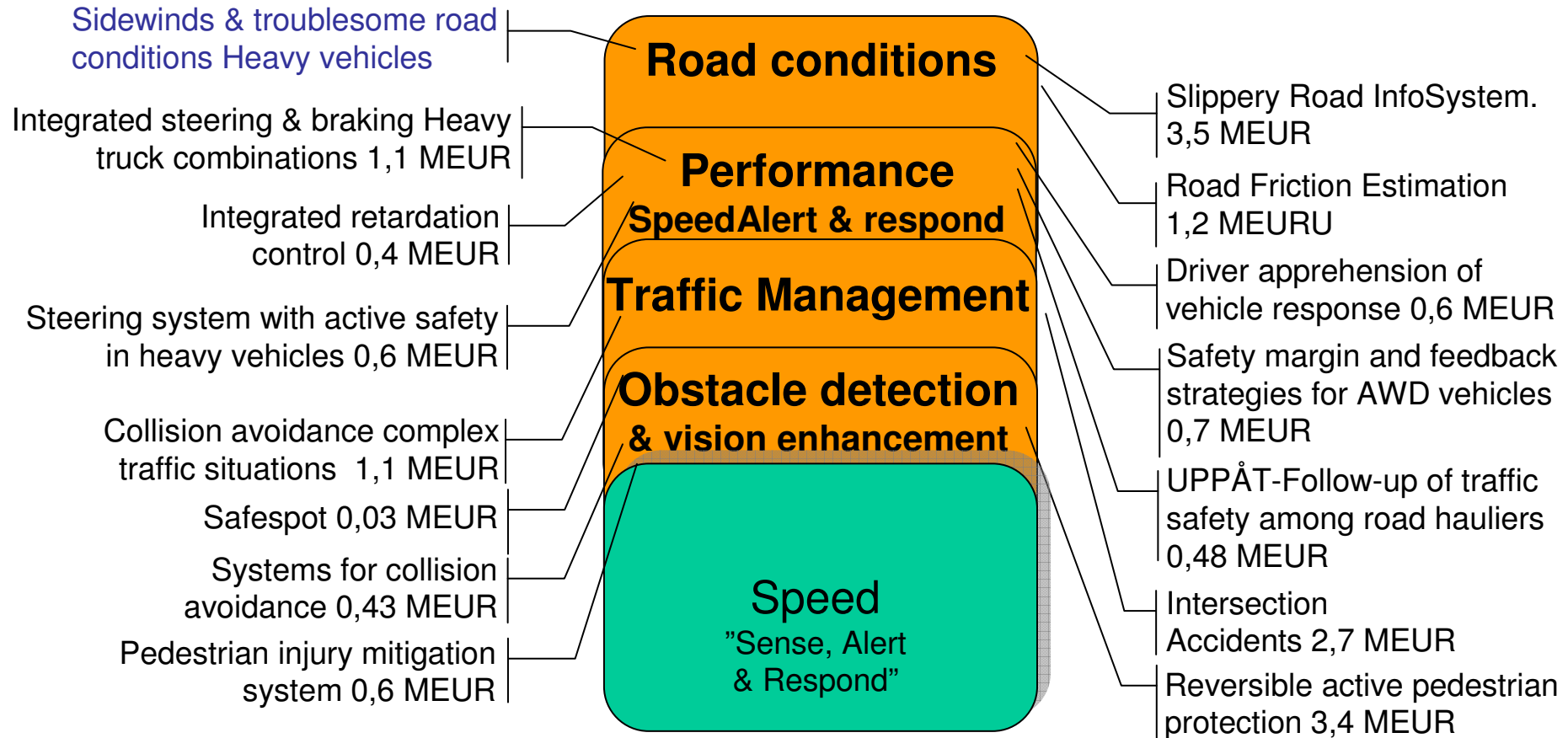
Sensor-rich embedded systems

Communication platforms & digital road maps

Dependable & fault tolerant systems

IVSS focus areas

A problem-oriented approach



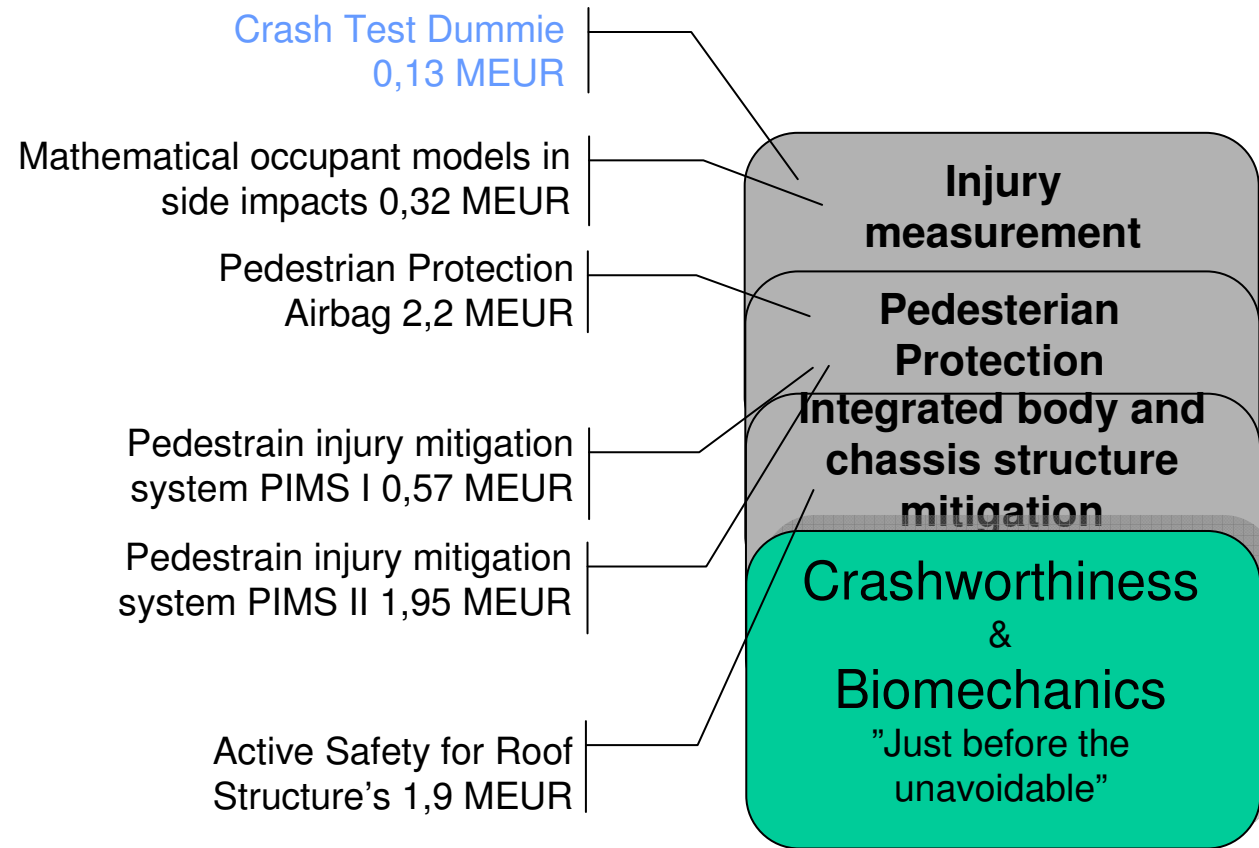
Sensor-rich embedded systems

Communication platforms & digital road maps

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IVSS focus areas

A problem-oriented approach



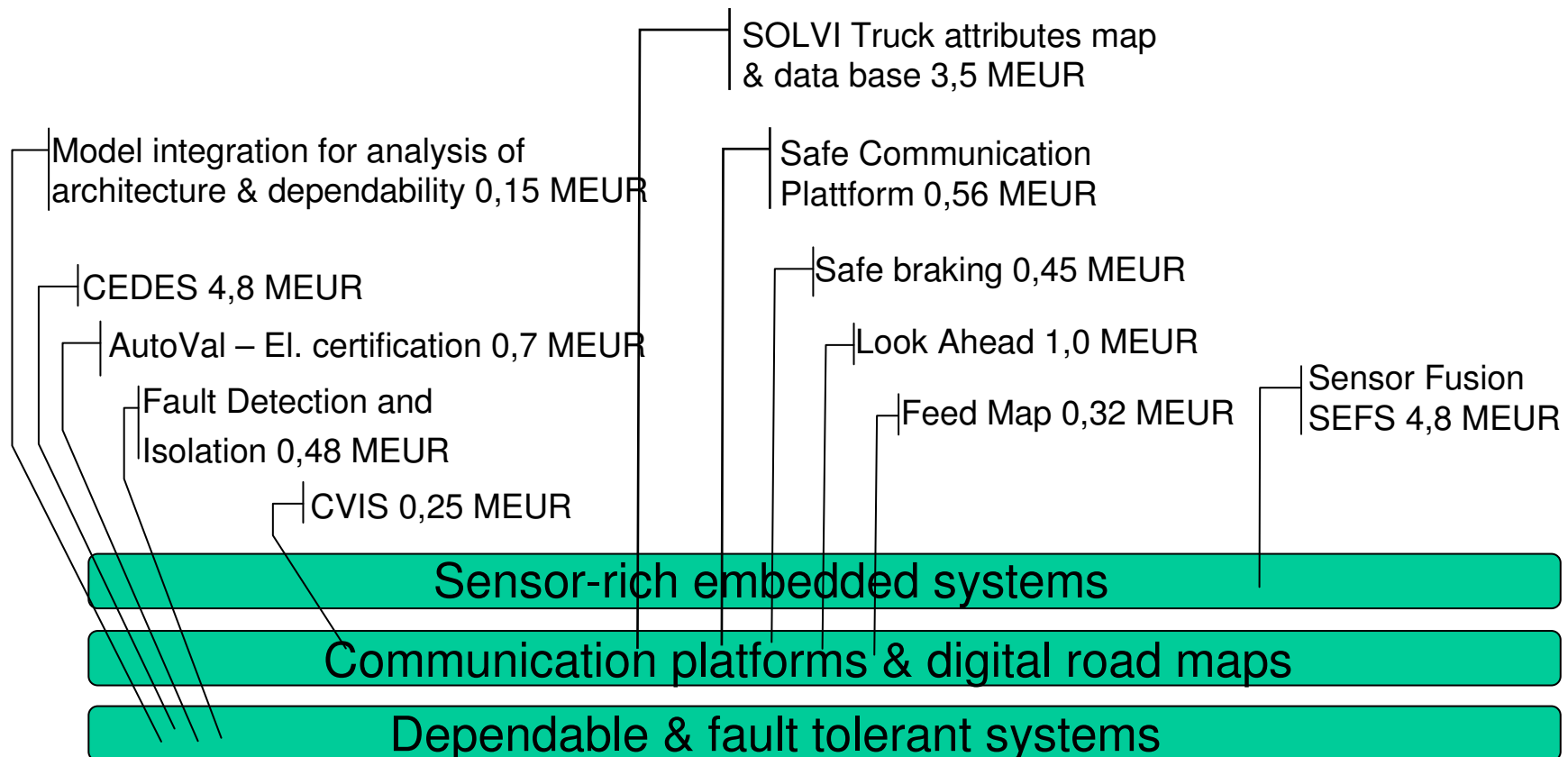
Sensor-rich embedded systems

Communication platforms & digital road maps

Dependable & fault tolerant systems

IVSS focus areas

A problem-oriented approach



IVSS Project Portfolio – Project budgets 2004-10

Approved IVSS projects

SEK 50 MEUR

whereof

Corporate finance

SEK 28,7 MEUR

Government support

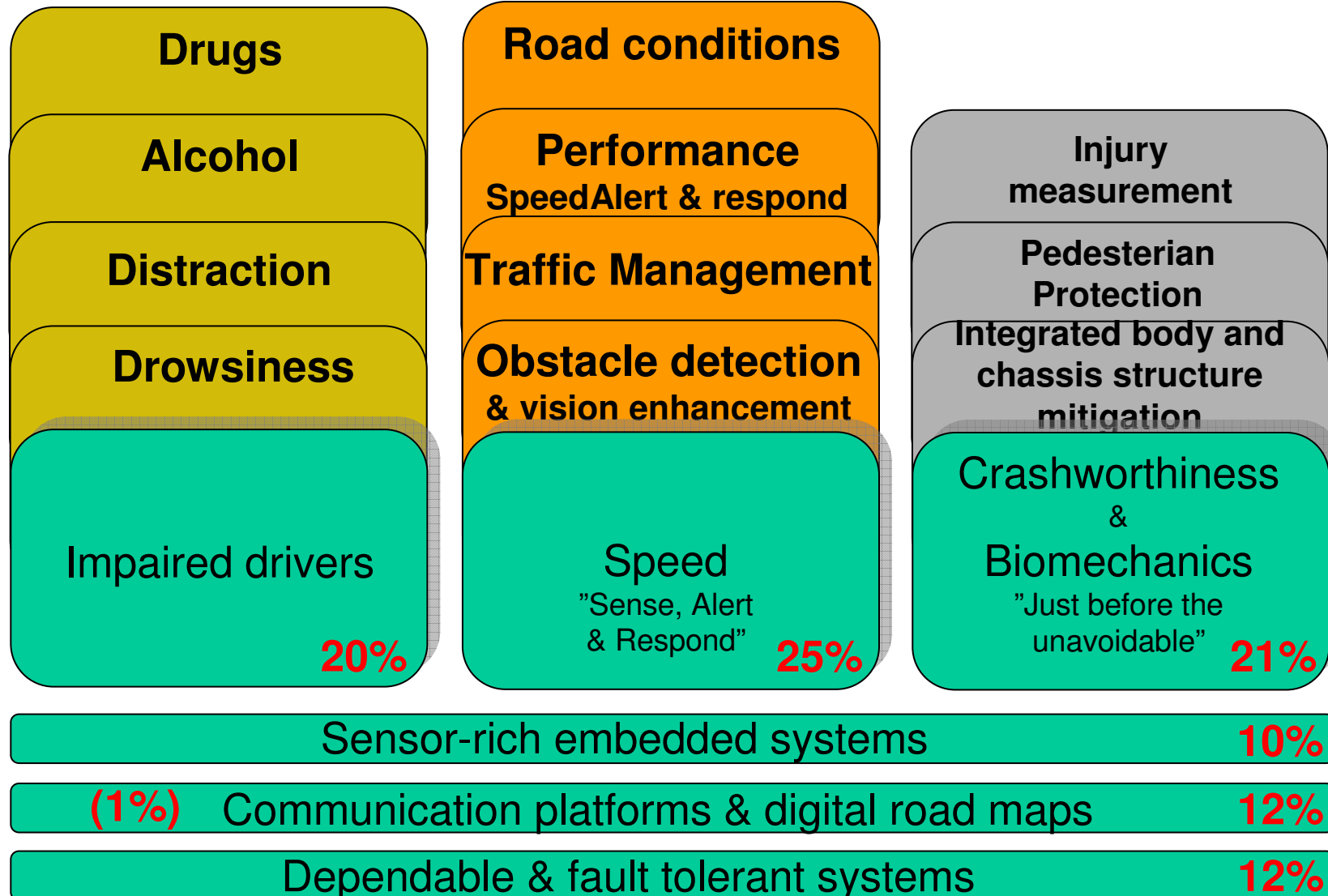
SEK 21,3 MEUR

Universities / Institutes

SEK 12,3 MEUR

IVSS focus areas

A problem-oriented approach



Thank you!

More information

www.IVSS.se

www.vv.se

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