WELCOME TO SAFER.
WE RESEARCH TO SAVE LIVES,
PREVENT INJURIES AND ENABLE
SAFE MOBILITY.
TOGETHER.
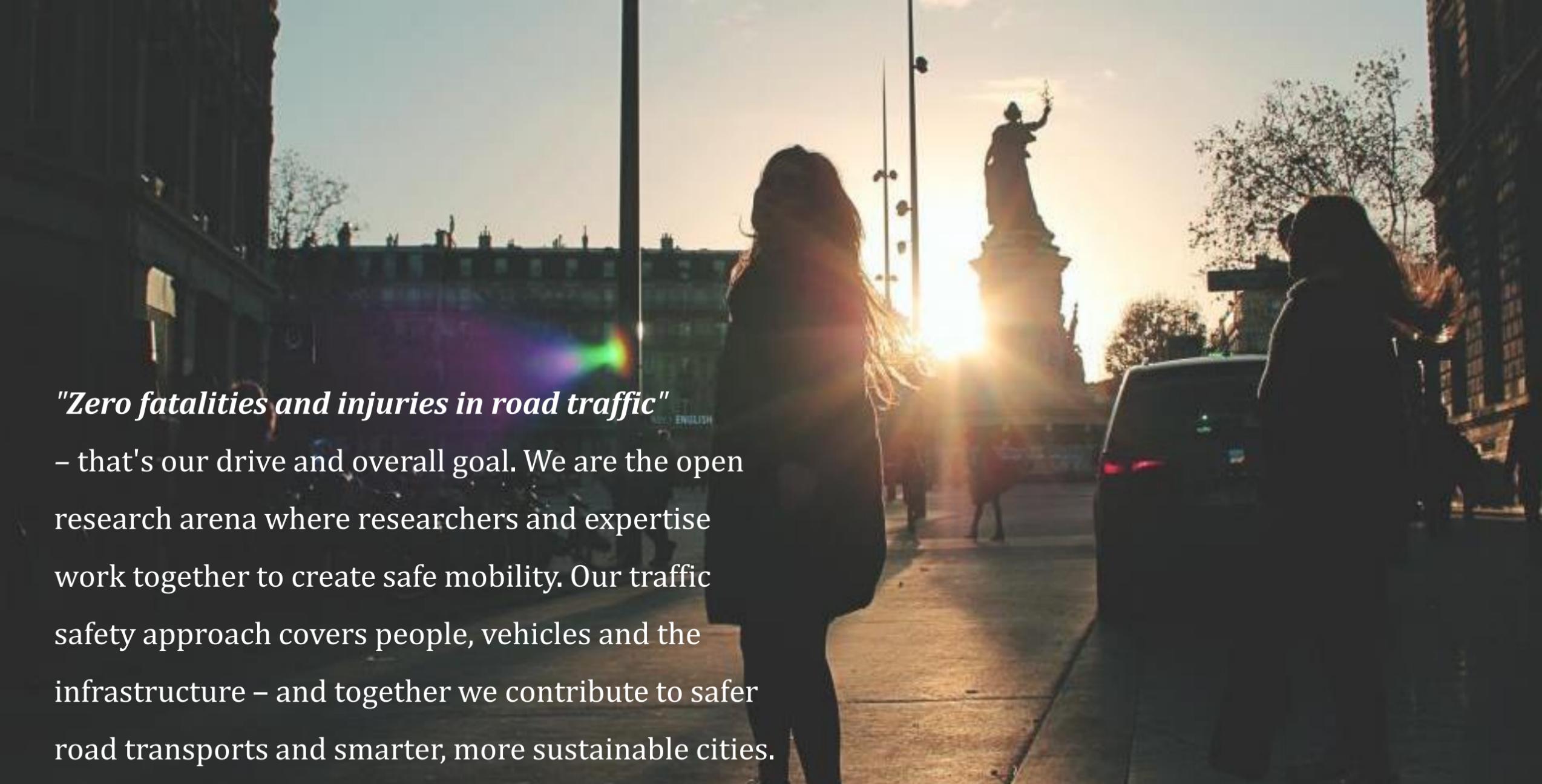
"Zero fatalities and injuries in road traffic" – that's our drive and overall goal. We are the open research arena where researchers and expertise work together to create safe mobility. Our traffic safety approach covers people, vehicles and the infrastructure – and together we contribute to safer road transports and smarter, more sustainable cities.

SAFER

OUR MISSION: TO ENHANCE TRAFFIC SAFETY

SAFER's approach:

- Create, transform and transfer knowledge

- Serve as an open innovation arena

- Be a base for international collaborations

Our Vision:

SAFER provides excellent inter-disciplinary research, innovation and collaboration to secure close to zero accidents and injuries in traffic and enable Sweden to hold global leadership in the new paradigm where traffic safety is a key factor for implementing a sustainable, connected automated traffic system.

SAFER
VEHICLE AND TRAFFIC SAFETY CENTRE AT CHALMERS

THIS IS SAFER – KEY FACTS

SAFER is part of a bigger societal project: the design and realisation of smart, sustainable transport systems in the cities and beyond.

- A world leading **competence centre** for vehicle and traffic safety.
- Performs **collaborative excellent multi-stakeholder research** with 38 partners from the industry, the academia and the society.
- **Creates knowledge and value** beyond what a single partner can achieve on its own.
- Contribute to the creation of a **safe, sustainable, connected and automated traffic systems**, where traffic safety is the key.
- An **open innovation arena** where partners can meet and share research and knowledge.
- Gives access to the **unique traffic safety research competence** within the SAFER network.
- Eleven years of successful research:
    - Over 350 fullfiled projects
    - More than 800 publications
    - About 350 active researchers

SAFER's "GOLDEN EGGS"

Our existing strengths to create excellent, relevant inter-disciplinary research, together.

Data collection, management, analysis

Diversity, networks and common interests

Real world tests and verification

Research platforms and test facilities

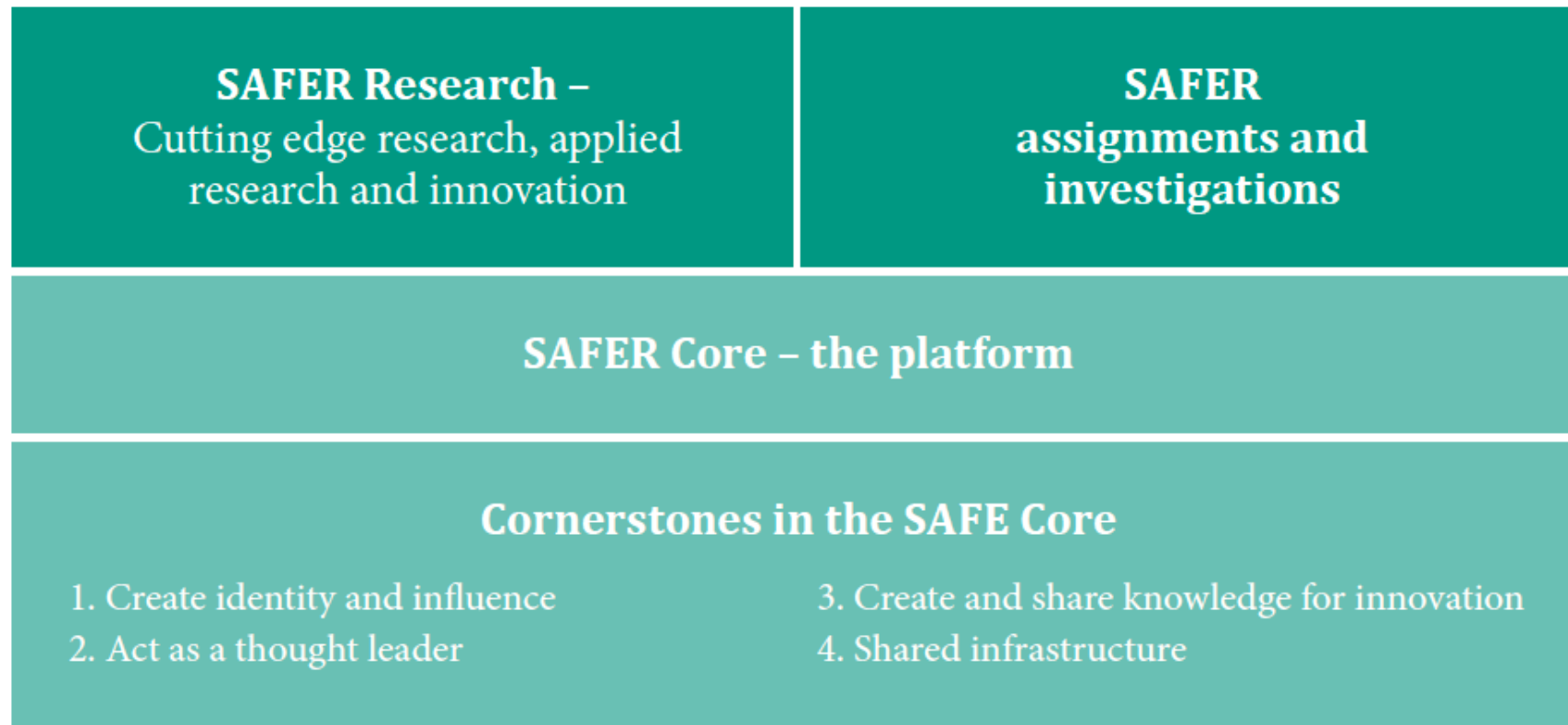**Protection principles for in-vehicle occupants**

Driver modelling and behaviour assessment

Human Body Models

OUR STRATEGY AND FOUR CORNERSTONES

To realise our vision of becoming a world leader in traffic safety,
our strategy is based on four interlinked cornerstones that direct our actions:

SAFER Research –
Cutting edge research, applied
research and innovation

SAFER
assignments and
investigations

SAFER Core – the platform

Cornerstones in the SAFE Core

1. Create identity and influence
2. Act as a thought leader

3. Create and share knowledge for innovation
4. Shared infrastructure

SAFER
VEHICLE AND TRAFFIC SAFETY CENTRE AT CHALMERS

OUR SAFER PARTNERS IN STAGE 4

Together for safe mobility.

Society

- City of Gothenburg
- Swedish Transport Administration
- Swedish Transport Agency
- Region Västra Götaland - *financier*

Academy & Institutes

- *AstaZero*
- Chalmers University of Technology
- Halmstad University
- Institute of Transport Economics (TØI)
- KTH Royal Institute of Technology
- *Jönköping Univeristy*
- RISE (Research Institutes of Sweden)
- Swedish National Road and Transport Research Institute (VTI)
- University of Gothenburg
- *Mälardalen University*
- *University of Borås*
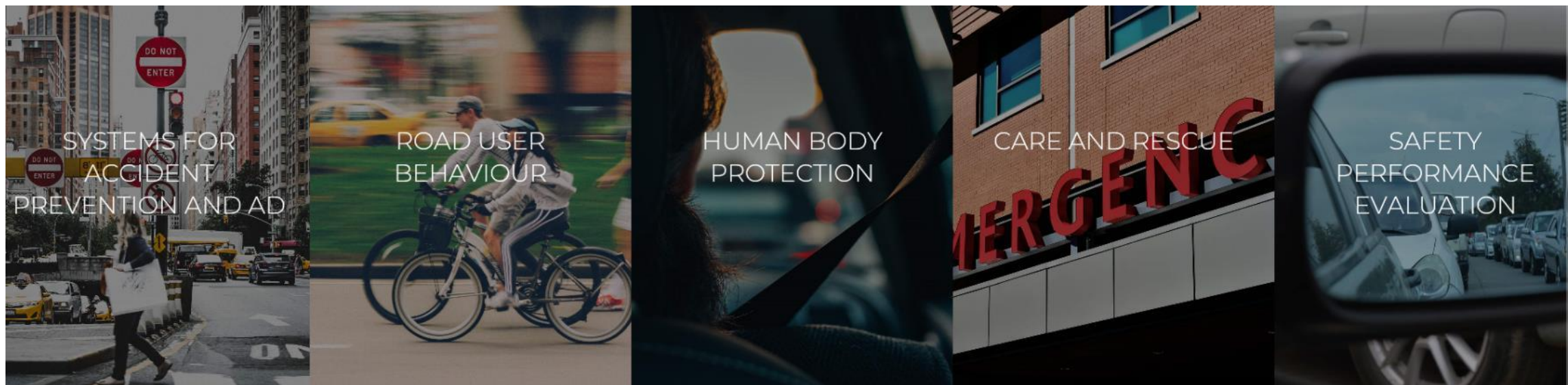- *University of Skövde*
- *University of Umeå*

Industry

- *Aptiv*
- Autoliv Development
- Combitech
- Cycleurope
- Folksam
- *HiMinds*
- If Insurance
- Lindholmen Science Park
- *Malmeken*
- *Mediamobile / V-Traffic*
- NEVS
- Scandinavian Automotive Suppliers (FKG)
- Scania
- *Smart Eye*
- *Svanberg & Svanberg AB*
- *Trivector*
- *Uniti*
- Veoneer
- Volvo Car Corporation
- Volvo Group
- *Zenuity*
- *ÅF*   *Cursive: members / associated partners*

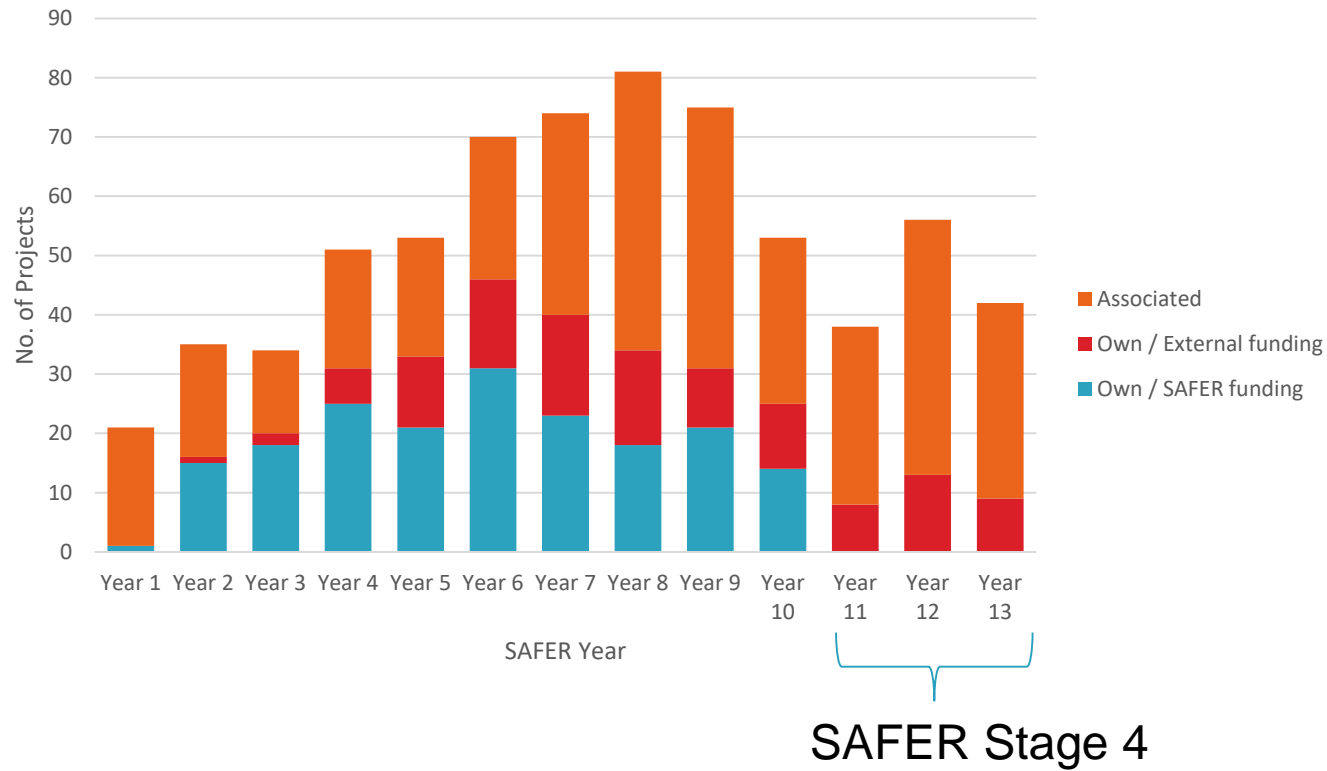SAFER
VEHICLE AND TRAFFIC SAFETY CENTRE AT CHALMERS

SAFER RESEARCH AREAS

One mission, five research areas. *Our five research areas represent world-class, multi-disciplinary research – all with the single-minded vision to save lives, prevent injuries and enable safe mobility.*

SYSTEMS FOR ACCIDENT PREVENTION AND AD

ROAD USER BEHAVIOUR

HUMAN BODY PROTECTION

CARE AND RESCUE

SAFETY PERFORMANCE EVALUATION
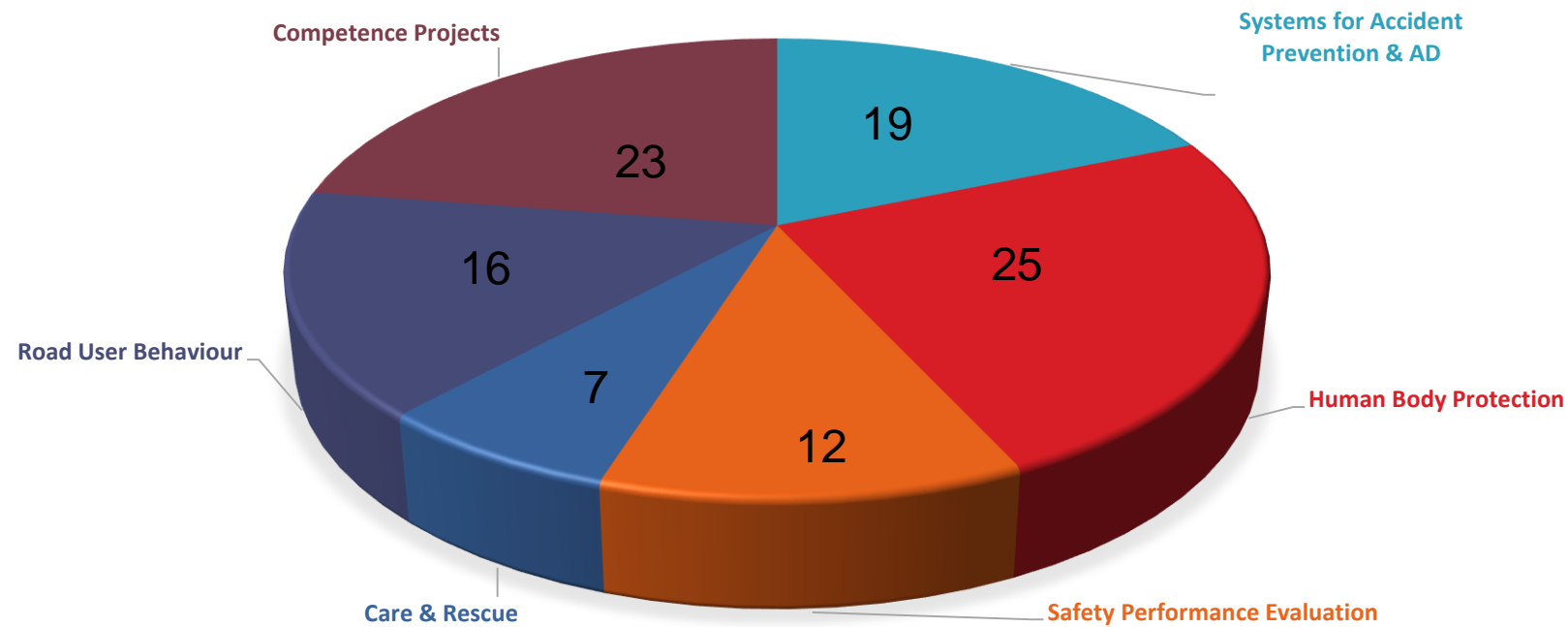
SAFER

SAFER'S PROJECT PORTFOLIO IN STAGE 4

KEY FIGURES

- More than **350** projects from start in 2006

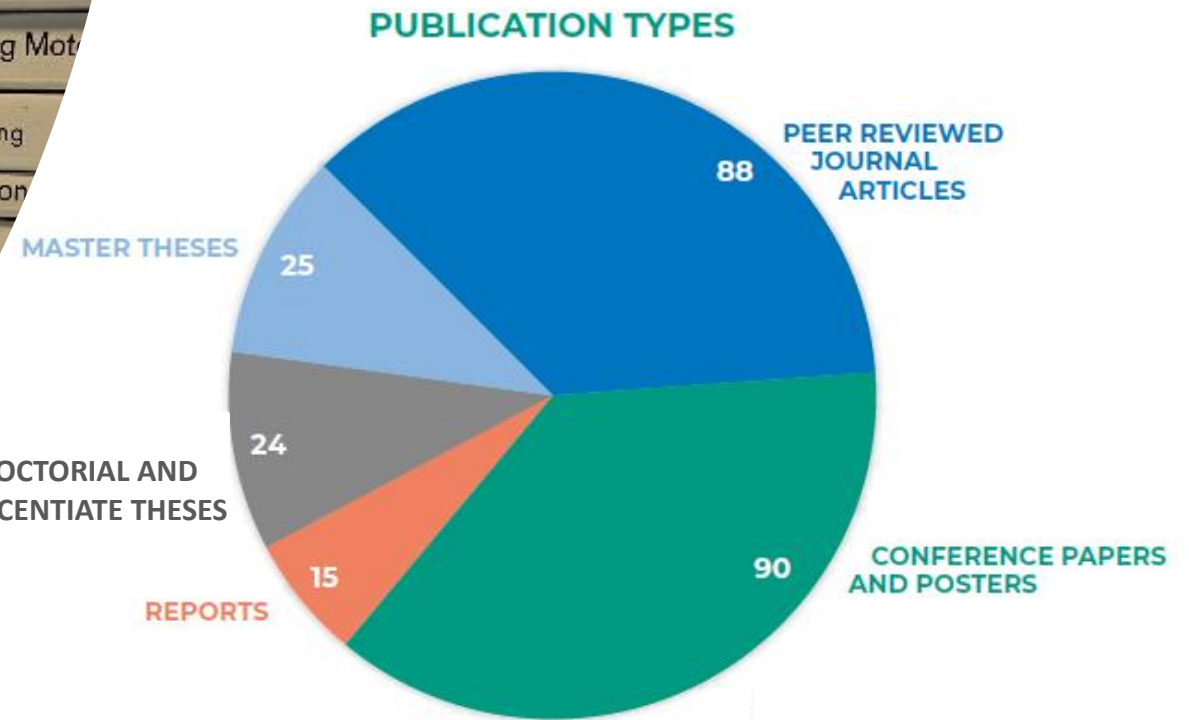- **102** ongoing projects in Stage 4
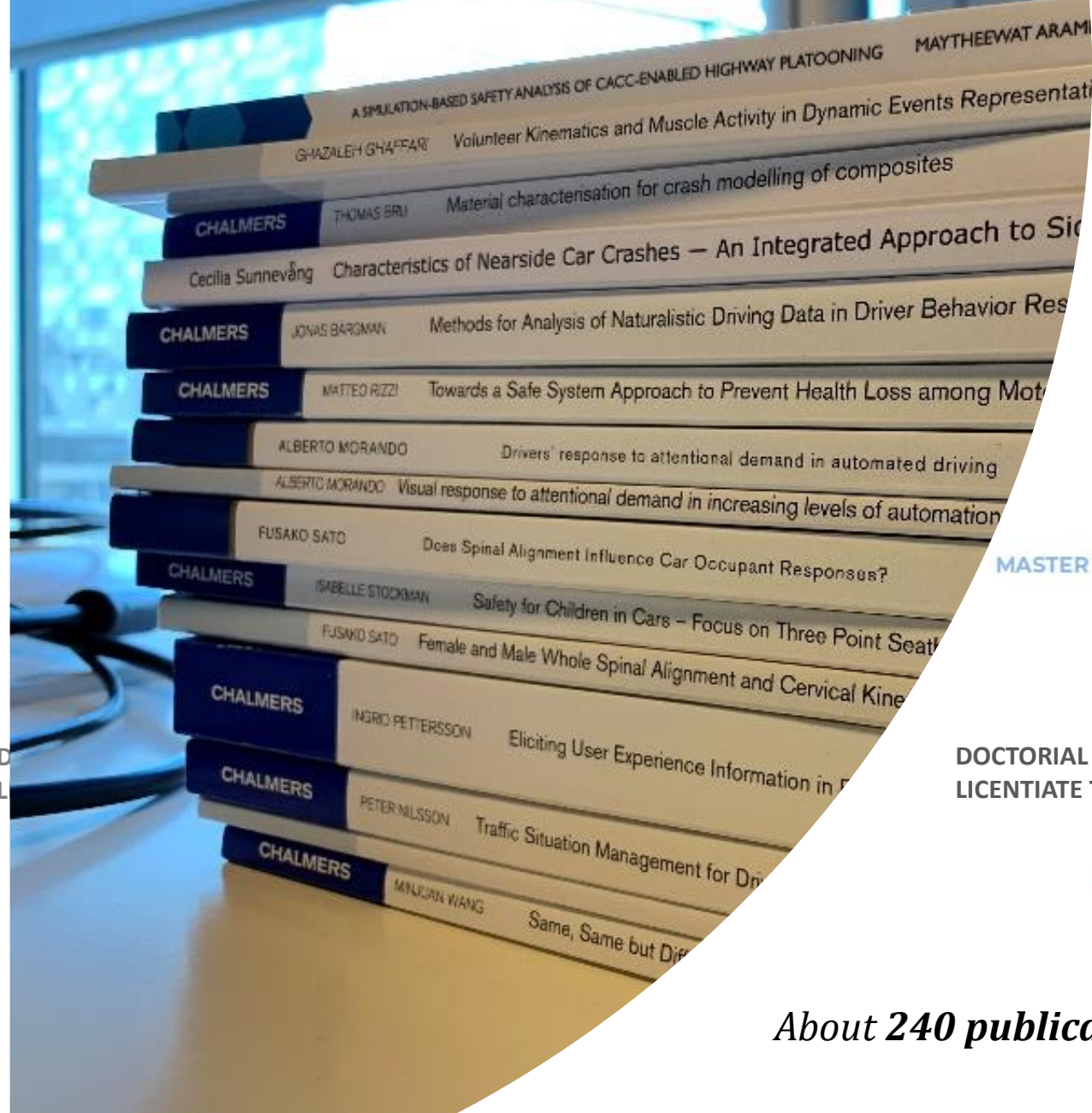
- **57** new projects in Stage 4
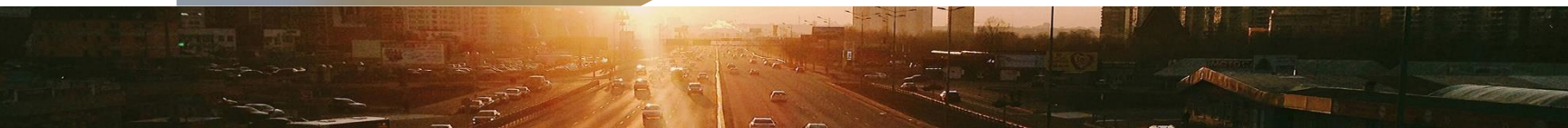
ONGOING PROJECTS IN SAFER STAGE 4

*A total of **102** ongoing projects in SAFER Stage 4*

PUBLICATION VOLUMES

PUBLICATION TYPES

- PEER REVIEWED JOURNAL ARTICLES — 88
- CONFERENCE PAPERS AND POSTERS — 90
- MASTER THESES — 25
- DOCTORIAL AND LICENTIATE THESES — 24
- REPORTS — 15

*About **240 publications** have been produced during SAFER Stage 4.*

SAFER
VEHICLE AND TRAFFIC SAFETY CENTRE AT CHALMERS

SAFER COMPETENCE AREAS

FIELD DATA

ROAD INFRASTRUCTURE

SENSORS AND COMMUNICATIONS

BEHAVIOUR IN ACCIDENT CAUSATION

VEHICLE DYNAMICS

TRAFFIC SYSTEMS

HUMAN MONITORING

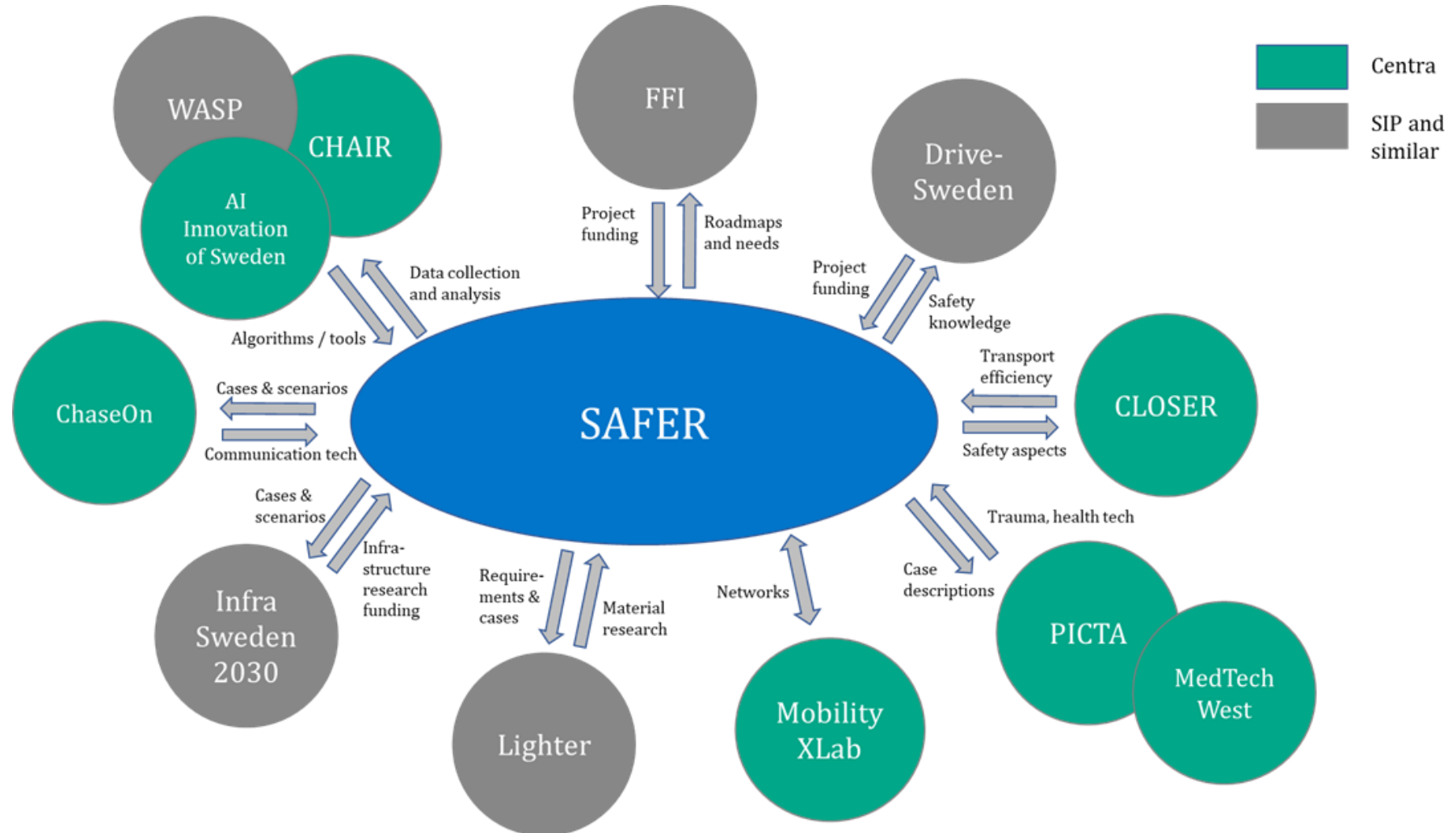DRIVING SIMULATOR APPLICATIONS

STRUCTURES AND MATERIALS

HUMAN FACTORS DESIGN

FUNCTIONAL SAFETY

BIOMECHANICS AND PROTECTIVE SYSTEMS

SAFER IN THE SWEDISH ECOSYSTEM

THE SAFER PUBLICATION LIBRARY

Visit us on www.saferresearch.com and enhance your insights in safe mobility research!

SAFER

VEHICLE AND TRAFFIC SAFETY CENTRE AT CHALMERS