



# FIMCAR Workshop

## 1 Introduction

# FIMCAR Project

## general

- 2nd Call FP7 (grant agreement no.: 234216)
- Coordinator: TU Berlin (Heiko Johannsen)
- 18 Beneficiaries
- Budget: 6 Mio Euro / Funding: 3.8 Mio Euro
- Main aim: Proposal for frontal impact compatibility assessment approach
  - Frontal Impact Compatibility Assessment is expected to consist of an off-set and a full frontal test (of which one could be an MDB test)



# FIMCAR Project consortium



# FIMCAR Project

## What is compatibility?

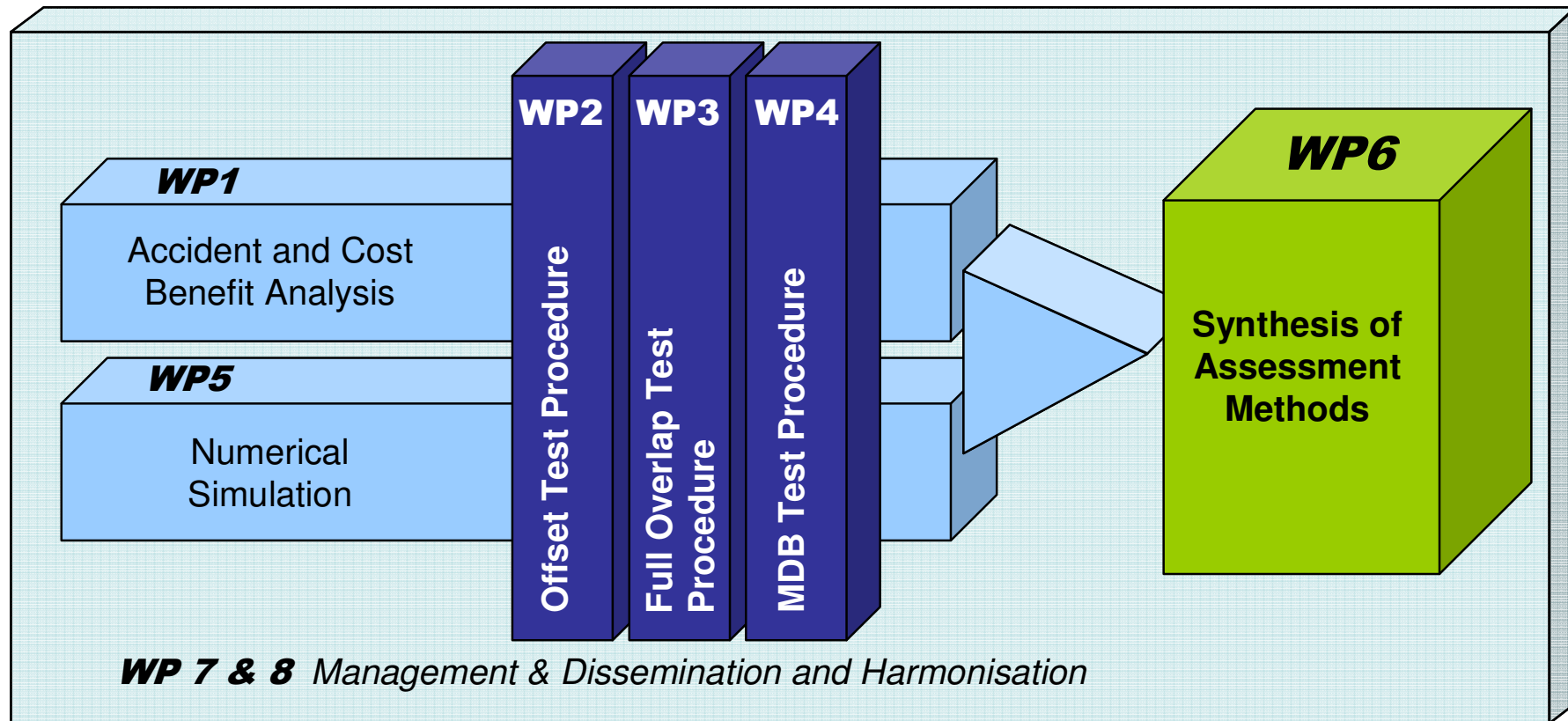
- Compatibility consists of self and partner protection.
- Improved compatibility will decrease the injury risks for occupants in single and multiple vehicle accidents.
- Compatible vehicles will deform in a stable manner allowing the deformation zones to be exploited even when different vehicle sizes and masses are involved

# FIMCAR Project

## Vehicle collision characteristics that influence compatibility

- Structural interaction (self and partner protection)
- Compartment strength (self protection)
- Front end force / deformation characteristics
  - force level (partner protection)
  - deceleration pulse and restraint system (self protection)

# FIMCAR Project Structure



# Workshop

## Aims

- Presentation of the intermediate FIMCAR results
- Get input from outside FIMCAR
  - Invited speakers
  - Discussion with audience
  - Ad-hoc presentations of audience
- Discuss the best way forward for FIMCAR

# Workshop Schedule

- 9.30 Introduction and FIMCAR results
  - Introduction (Heiko Johannsen / TUB)
  - Accident analysis (Mervyn Edwards / TRL)
  - Priorities and strategies for assessment approach (Robert Thomson / VTI)
- 10.30 Coffee break
- External input
  - William Thomas Hollowell (WTH Consulting / US)
  - Hideki Yonezawa (NTSEL / Japan)
  - Sean O'Brien (VDA / Germany)
  - Fabien Duboc (CCFA / France)
- 12.30 Lunch



# Workshop

## Schedule

- 13.30 Sub workshop: Full frontal (Thorsten Adolph / BAST)
- 14.30 Sub workshop: Off-set (Ignacio Lázaro / IDIADA)
- 15.30 Coffee break
- 16.00 Sub workshop: MDB (Ton Versmissen / TNO)
- 17.00 Conclusions / Outlook (Heiko Johannsen / TUB)
- 17.30 End of the workshop

# Contact

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