



# Final Announcement

## ADSEAT Final Workshop in Brussels

February 14<sup>th</sup> 2013



### Background

The overall objective of the ADSEAT (Adaptive Seat to Reduce Neck Injuries for Female and Male Occupants) project is to provide guidance on how to evaluate the protective performance of vehicle seat designs aiming to reduce the incidence of Whiplash Associated Disorders (WAD), also known as whiplash injuries. The work concentrates on evaluating the protective performance of seats beneficial to female, as well as, male motor vehicle occupants.

In the project, the properties for a model of an average female has been established. These properties have been implemented in a FE model, EvaRID, in order to provide an improved tool for the development and evaluation of adaptive systems, with special focus on protection against whiplash injuries.

This new research tool has been used in conjunction with the currently available rear impact dummy of an average male, the Biofidelic Rear Impact Dummy (BioRID) II, for evaluating enhanced whiplash injury protection.

The project is co-funded by the European Commission within the 7<sup>th</sup> framework programme. It started 1 October 2009 and will finish 31 March 2013.

### The Final Workshop in Brief

The purpose of this on day workshop is to present the main work carried out in the ADSEAT project and is organised in five sessions. These address the ADSEAT strategy and its justification based on accident data, discuss and present the developed model, EvaRID, present the seat tests results resulting from a scaled down hardware dummy and finally present and discuss the ADSEAT seat evaluation guidelines. In addition, future needs and trends in the virtual testing area addressing seat protective performances will be discussed in a panel discussion with invited stakeholders.

**The workshop is free of charge**

### ADSEAT Consortium



## **Workshop Agenda**

**Thursday, February 14<sup>th</sup> 8:30 to 16:30**

### **Registration**

### **Introduction**

### **EvaRID**

- Real World Performance and Potential
- Population Distribution and Anthropometry
- Model Development
- Testing Program
- Validation and Evaluation

### **Injury Criteria and BioRID50F**

### **Lunch**

### **Seat evaluation guidelines**

- Seat Illustrator
- Applications

### **Panel Discussions**

Topic: **Future Needs and Trends in Virtual Testing**

Moderator: Paul Lemmen, Humanetics

Panel members:

- Tjark Kreuzinger, Toyota Europe
- Peter Broertjes, European Commission
- Michiel van Ratingen, Euro NCAP
- Astrid Linder, ADSEAT
- Bernie Frost, GRSP

### **Closure**

## **Contact**

**Dr Astrid Linder**

## **Venue**

The European Commission  
DG-Enterprise  
Avenue d'Auderghem 45  
Brussels, Belgium