Driver performance (DP)

• **Motivation:**
  Knowledge of the current driver performance (DP), i.e. sleepiness, attentiveness and “talent”

• **Problem:**
  How can the DP be identified from monitoring of driver behaviour, vehicle state and driving environment and objectified?

• **Objective:**
  Provision of a reliable performance index, taking sleepiness, attentiveness, traffic environment and “driving talent” into account
  Thus: use of the DP index as input for assistance depending on performance and age

• **Solution:**
  Use of environment and vehicle sensors
  Analysis of driver performance
  Current driver performance resulting from longitudinal and lateral control behaviour (driver’s lane keeping behaviour), control processes and future “safe” whereabouts of the vehicle