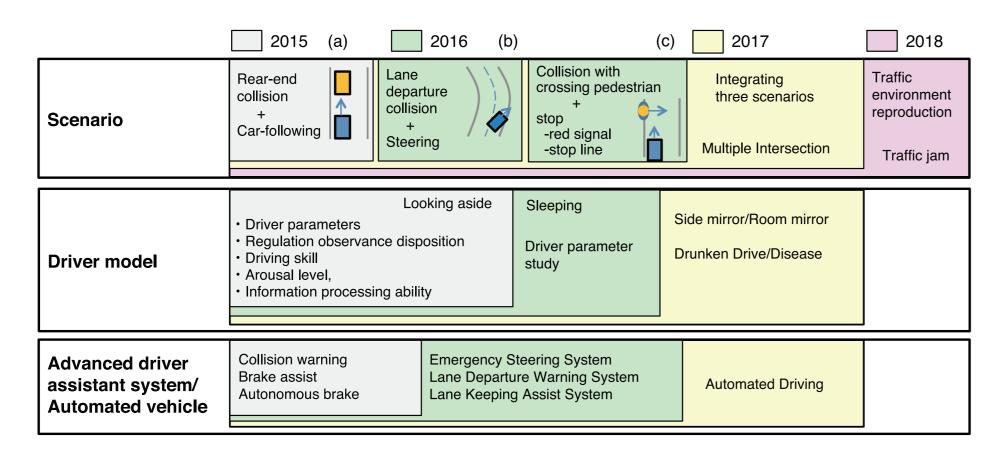
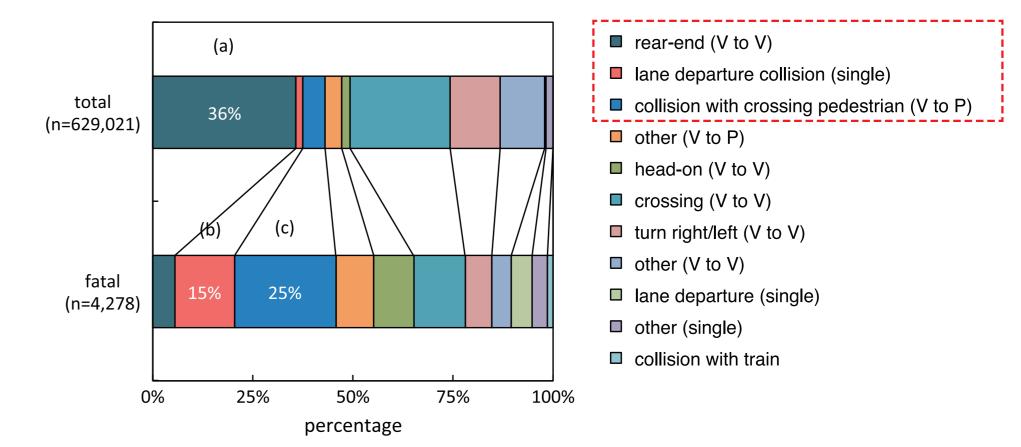
Impact Assessment

Development and substantiation of simulation technology for estimation of detailed traffic accident reduction effects

■ Objective of the project

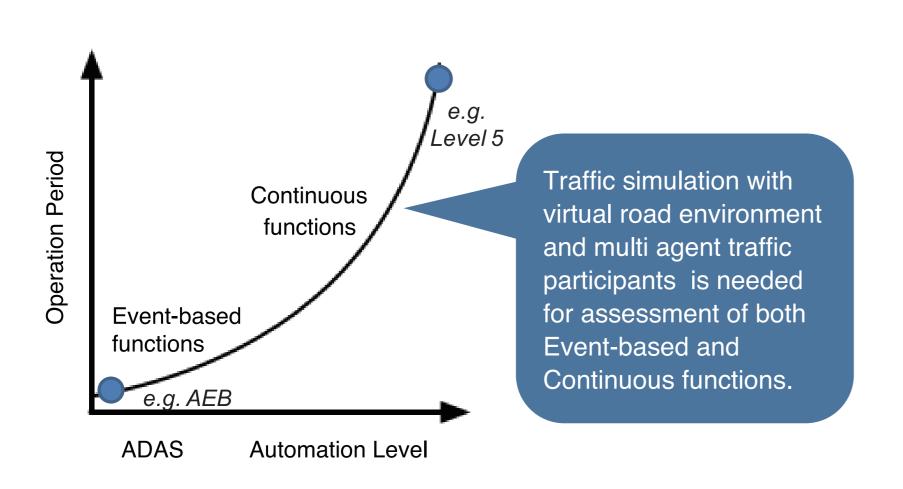
In order to achieve the safest automobile transportation society in the world, early practical use and promotion of the automated driving system have been expected. In this project, the simulation technology of the traffic environment reproduction to figure out the quantitative reduction effect of traffic accidents with such system is developed and contributes to the achievement of the above target.



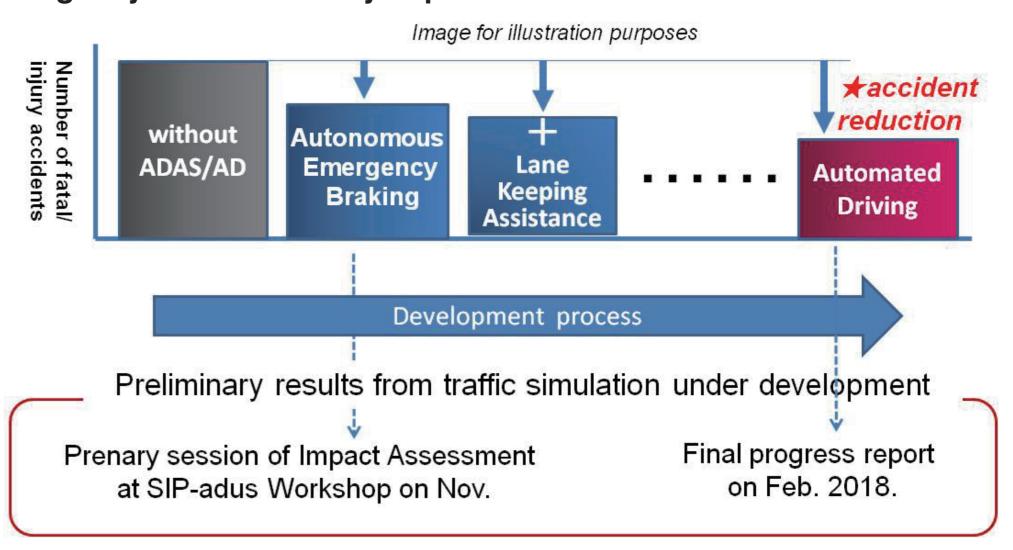


Type of functions in ADAS/Automated driving systems

"Event-based functions" and "Continuous functions" (AdaptiVe)



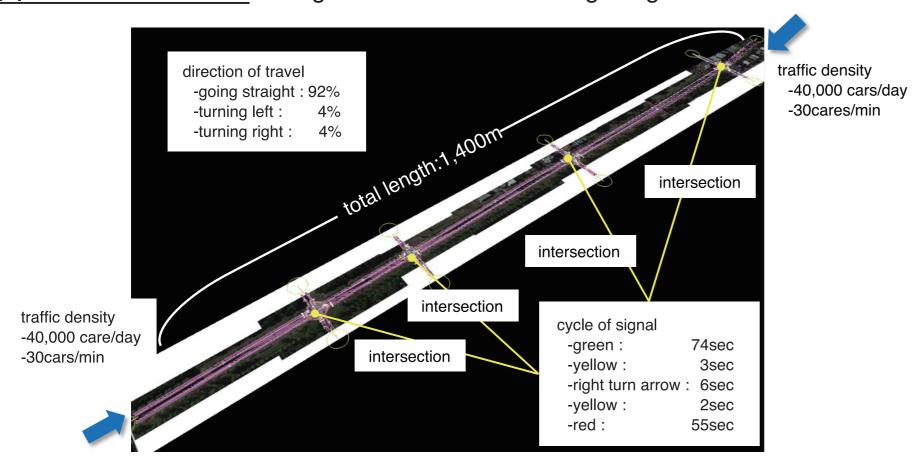
Target systems for safety impact assessment

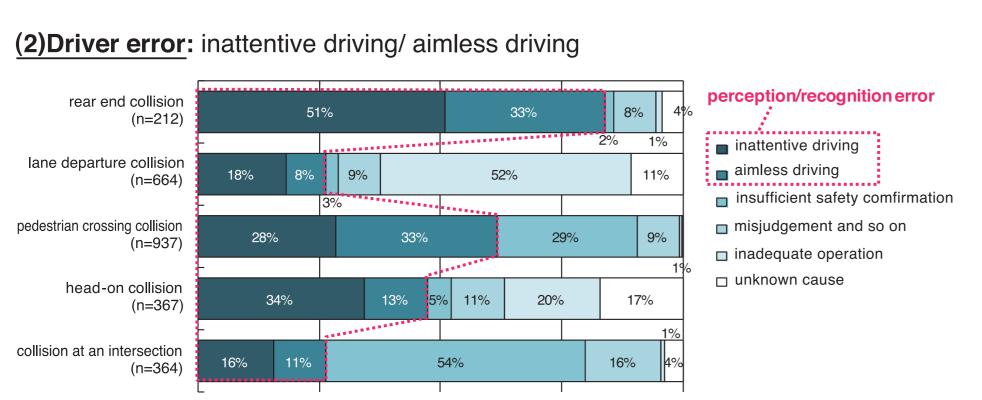


Simulation of safety system for rear end collision

Simulation conditions

(1)Road environment: straight road section including 4 signalized intersections





75%

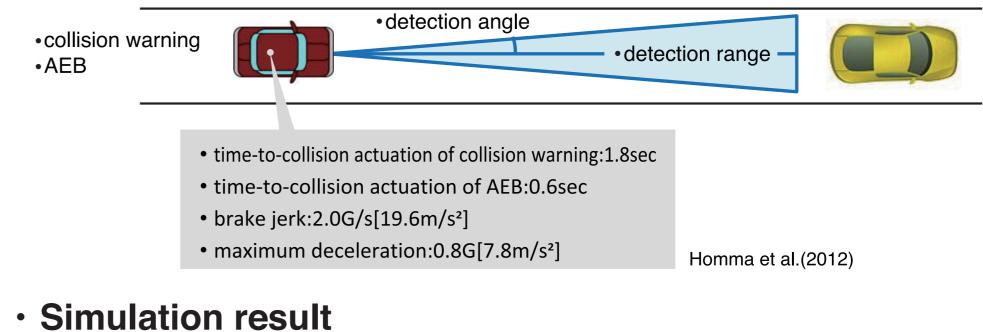
100%

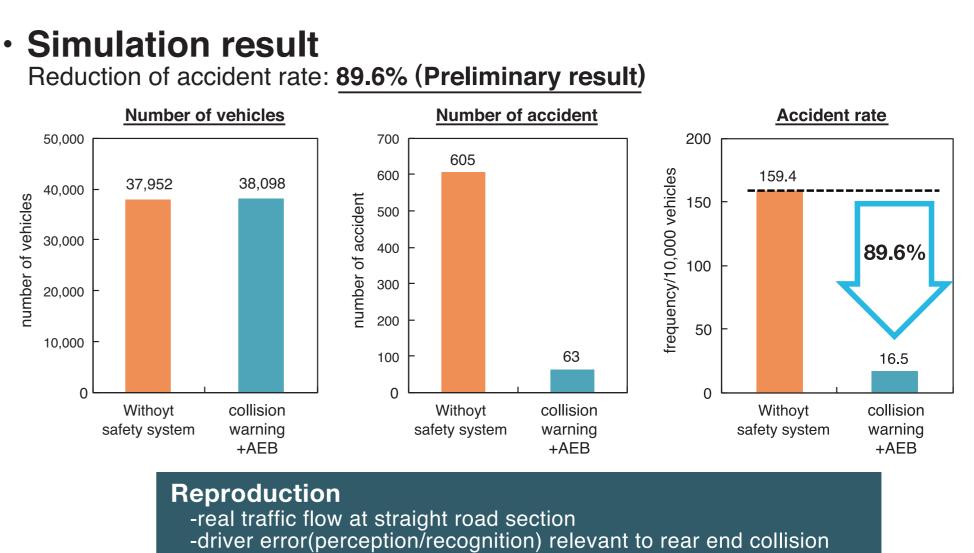
50%

percentage

25%

(3)Safety system: collision warning/ autonomous emergency braking (AEB)





-effect of safety system for rear end collision

Estimation

