

SIP-adus ② - Innovation of Automated Driving for Universal Services -

SIP-adus Goal & Strategy

SIP-adus

Innovation of **A**utomated **D**riving for **U**niversal **S**ervices

Program Director



Seigo Kuzumaki
TOYOTA MOTOR CORPORATION,
Chief Safety Technology Officer Secretary

<Budget for SIP-adus>

FY2014 : ¥25.4 billion

FY2015 : ¥23.6 billion

FY2016 : ¥27.1 billion

- 1. Achieving the national goal, i.e. Reducing road crashes, etc.**
The national infrastructure for achieving the national goal
- 2. Realizing and spreading of Automated driving system**
Promoting practical implementation by progressing both R&D and international cooperation simultaneously
- 3. Implementation of next-generation public transportation system**
Developing in collaboration with Tokyo Metropolitan Govt. with Tokyo Olympics and Paralympics as a milestone

Organization Structure of SIP-adus

Steering Committee for SIP Automated Driving Research Project

System Implementation WG

- ◆ Dynamic map
- ◆ Prediction based on ITS information
- ◆ Sensors
- ◆ Driver model
- ◆ System security
- ◆ Traffic fatality reduction effect estimation method & national shared database
- ◆ Macro and micro data analysis and simulation technology
- ◆ Local traffic Co2 emission visualization technology

International Cooperation WG

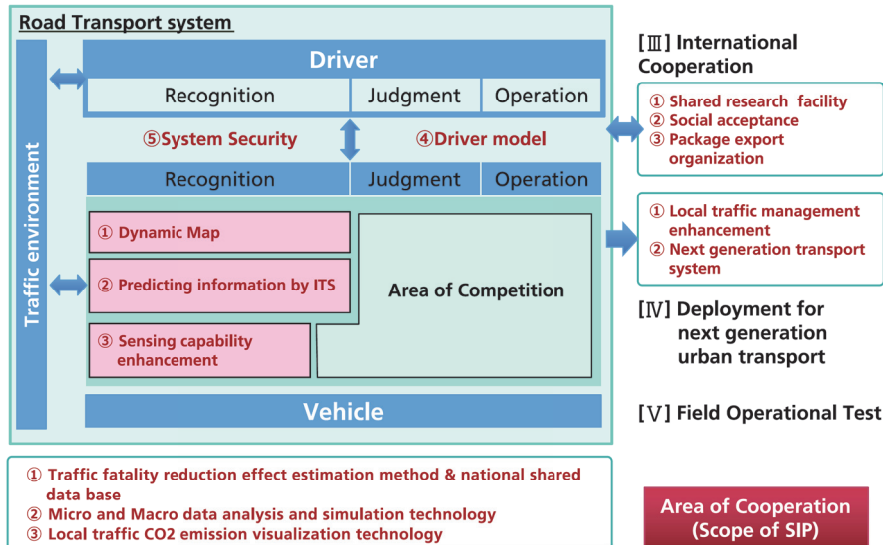
- ◆ Open research facility
- ◆ Social acceptance
- ◆ Technology transfer

Next Generation Urban Transportation WG

- ◆ Enhanced local traffic management
- ◆ Next generation public transport system

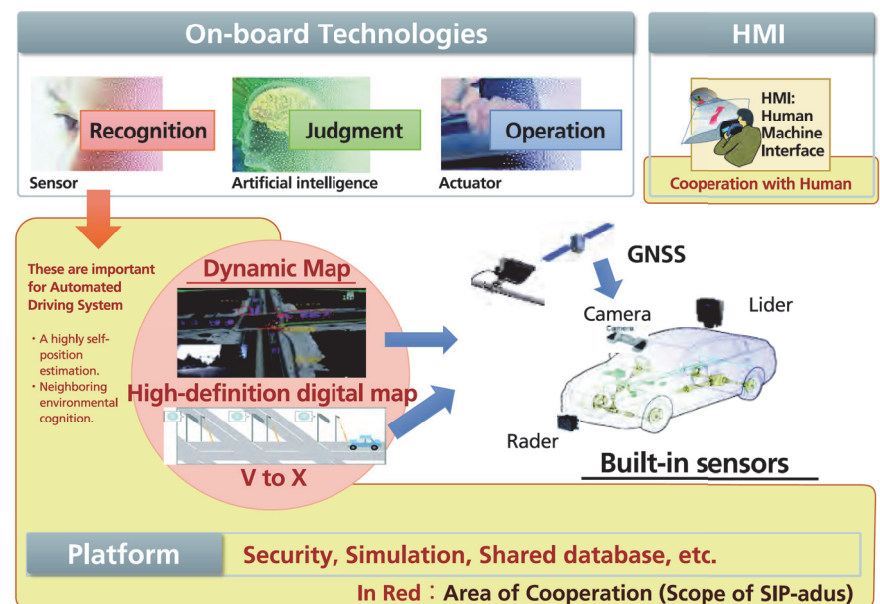
Technologies for Automated Driving Systems

[I] Development and verification of automated driving systems

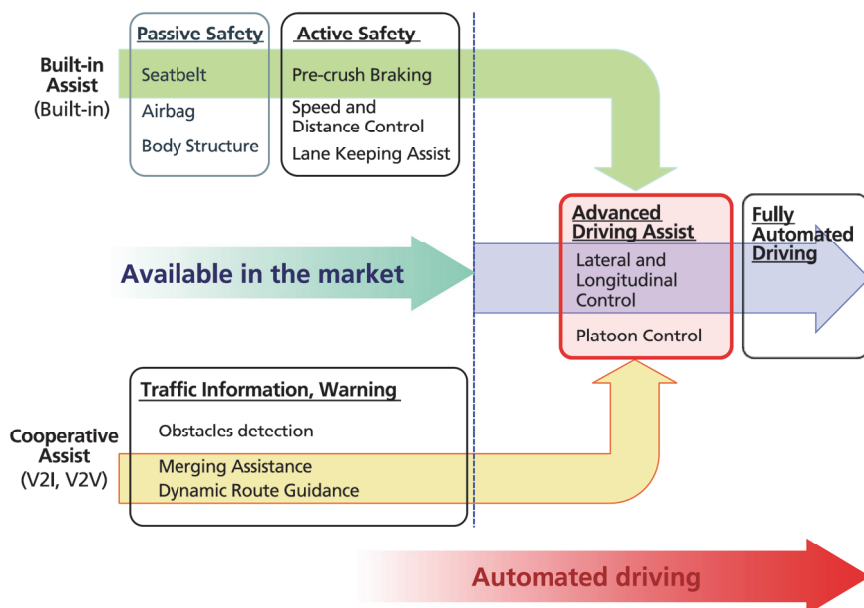


[II] Basic technologies to reduce traffic fatalities and congestion

Technologies for Automated Driving Systems



Connected and Automated Systems



Focuses of International Collaboration

Leading Experts at SIP-adus



Dynamic Map
Ryota Shirato

Connected Vehicles
Norifumi Ogawa

Human Factors
Satoshi Kitazaki

Impact Assessment
Nobuyuki Uchida

Next Generation Transport
Masayuki Kawamoto

Security
Satoru Taniguchi

Dynamic Map
Connected Vehicles
Human Factors
Impact Assessment
Next generation Transport
Security