

SIP-adus Workshop 2019 Opening session

# SIP Automated Driving System

SIP-adus ; Automated Driving System for universal service

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# SIP-adus Workshop 2019

Welcome to Japan & Tokyo !



# First phase of SIP-adus



Cross-Ministerial Strategic Innovation Promotion Program

Council for Science, Technology, and Innovation

**Governing board**  
(CSTI Executive Members)

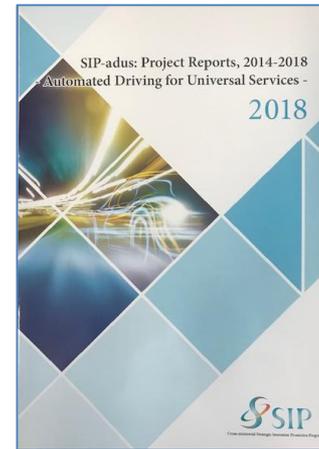
**Executive Director of SIP** (Assigned from 2018)

**Program Director (PD)**  
(assigned to Cabinet Office for each policy issue)

**Steering Committee**  
PD (Chairman), relevant ministries,  
experts, corporations,  
Cabinet Office (secretariat)

Relevant ministries and management  
corporations and other researchers

- **5years R&D (FY2014-FY2018)**
  - Total budget ¥ 13.6Billion (US\$ 123 Million)
- **Promote cross-sector collaboration**
- **From fundamental research to commercialization**

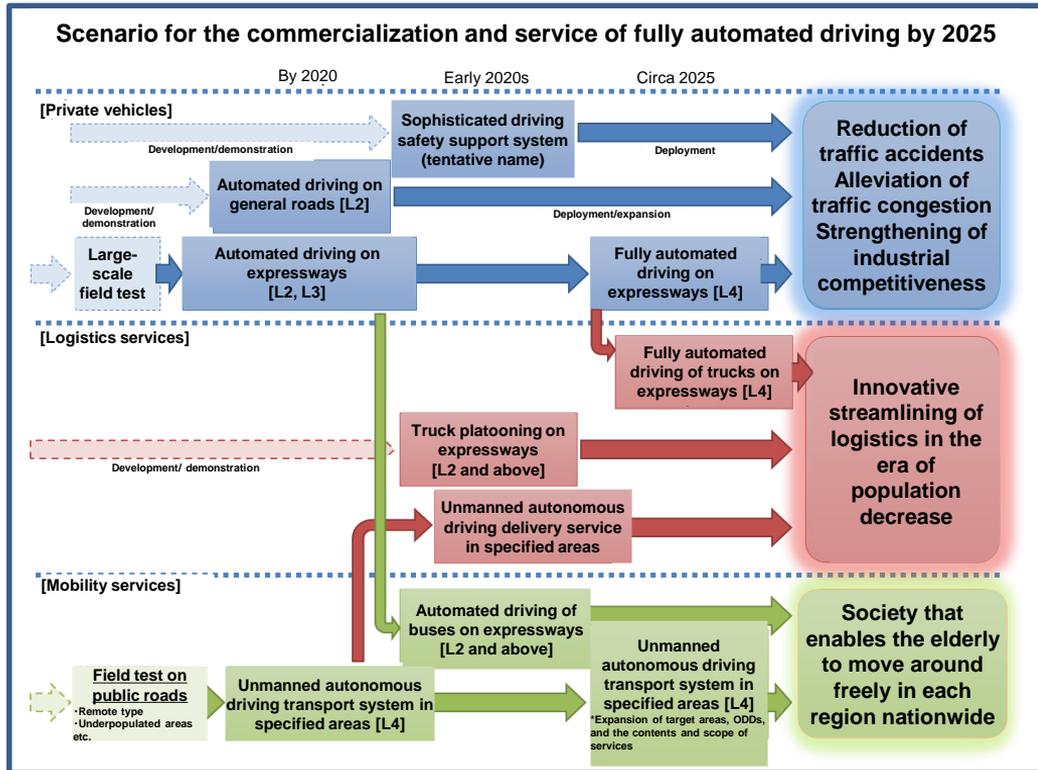


1<sup>st</sup> Phase SIP-adus Project Reports,  
2014-2018

Total 223page

# Objectives

## Public-Private ITS Initiative/Roadmaps 2019

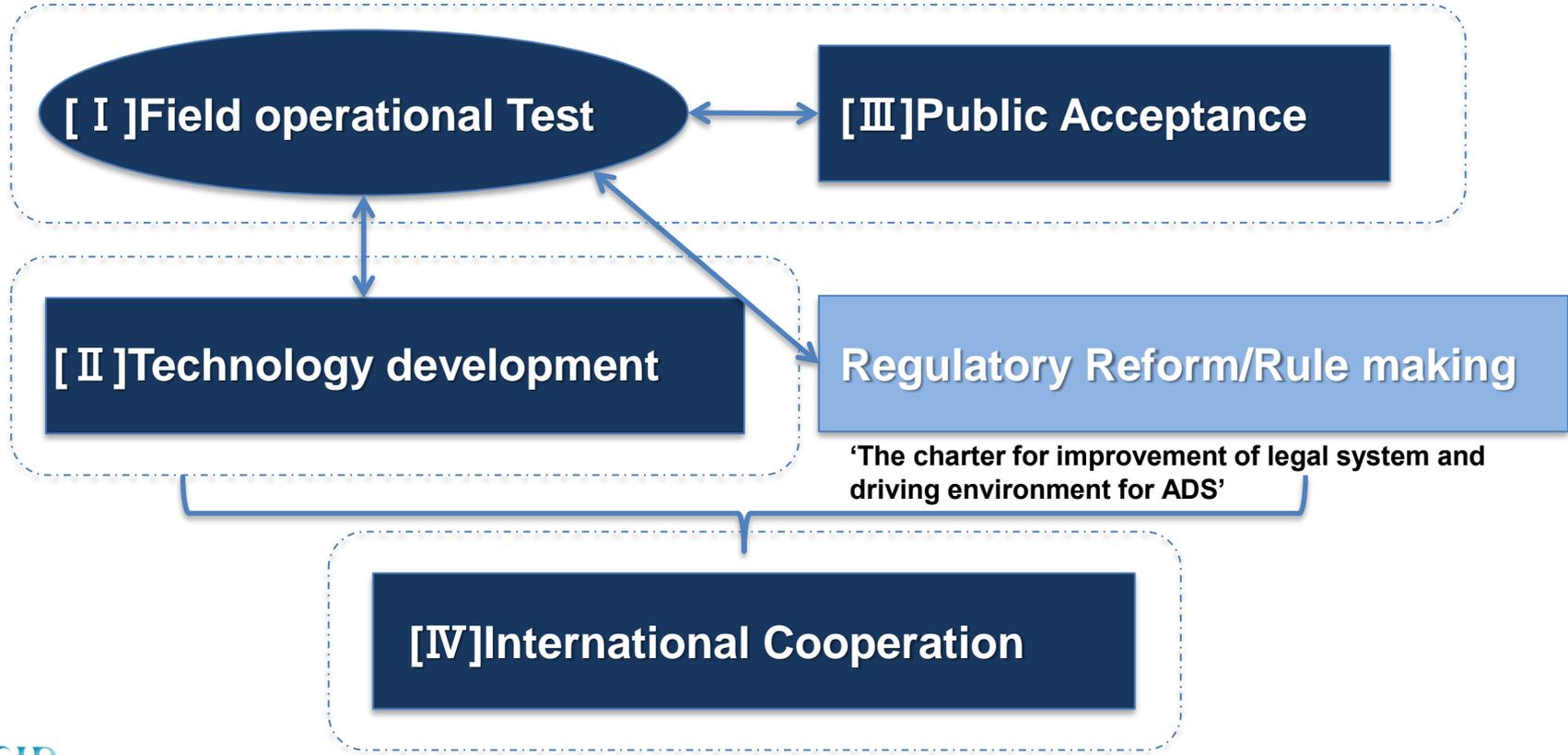


2<sup>nd</sup> Phase of SIP  
(FY2018-FY2022)



- To establish the **cooperative areas** technologies essential for implementation by 2023
- To create **multiple example cases for commercialization through FOTs** by involving various **businesses and local government**

# 4 Pillars of 2<sup>nd</sup> Phase of SIP-adus



# FOTs (Tokyo Waterfront City–Haneda Area)



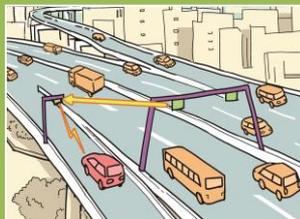
## Tokyo Waterfront City area

- Signal display and change timing information via ITS infrastructure
- Precise 3D map linked with signal info. etc



## Haneda Airport area

- Signal display and change timing information via ITS infrastructure
- Magnetic marker
- Bus stop, designated lane for bus service



## Metropolitan Express way

- Merging assistance on the main lane of highways
- ETC gate open/close info.
- Lane level traffic flow regulation info. Etc.

# International cooperation

## Main themes of International Cooperation

Dynamic map

Connected Vehicle

Human Factors

Cybersecurity

Safety Assurance

FOT and Next gen. Transport

## Standardization & Harmonization



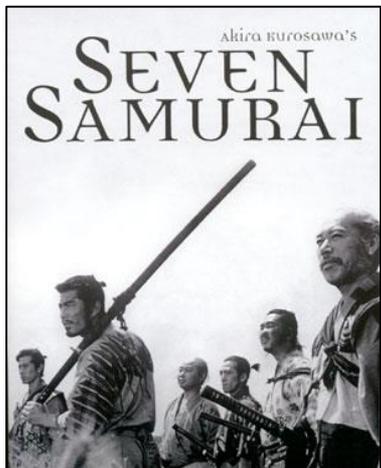
Open AutoDrive Forum



## Collaborative Research

## Information Sharing

# New “Seven samurai”



**Regional Activities  
Hajime Amano**



**Dynamic Map  
Satoru Nakajyo**



**Human Factors  
Satoshi Kitazaki**



**Safety Assurance  
Satoshi Taniguchi**



**Connected Vehicles  
Norifumi Ogawa**



**Cybersecurity  
Shigeru Uehara**



**FOT & NGT  
Masayuki Kawamoto**



**Enjoy your stay!**

**Thank you!**