

SIP-adus FOT

April 3, 2017

Takahiko Uchimura

SIP-adus International Cooperation WG



Contents

- **SIP, SIP-adus**
- **Development Structure**
- **Government Structure**
- **Development Focus Areas**
- **FOT from FY2017**
- **SIP-adus Workshop**

Cross-Ministerial Strategic Innovation Promotion Program (SIP)

■ SIP Structure

CSTI
Council for Science, Technology and Innovation

Governing Board

Program Director

11 Programs



■ SIP

- Cross-Ministerial Strategic Innovation Promotion Program



■ SIP-adus: One of eleven SIP projects

- Innovation of Automated Driving for Universal Services

“SIP- adus”

- Mobility Bringing Everyone a Smile -

Development Structure

■ Three WGs under SIP-adus



Government Structure

■ Governments structures for SIP-adus

Cabinet Secretariat
IT Strategic Headquarters

Cabinet Office
Council for Science,
Technology and Innovation

**National Police
Agency
(NPA)**

**Road Traffic
Safety**

**Ministry of
Internal Affairs
and
Communications
(MIC)**

**Communication
Technology**

**Ministry of
Economy, Trade
and Industry
(METI)**

**Economy and
Industry**

**Ministry of Land,
Infrastructure,
Transportation
and Tourism
(MLIT)**

**Road Bureau
Road and
Infrastructure**

**Road
Transport
Bureau
Standards**

Technology Developments

■ 20 to 30 projects per year

Promoting Committee

System Implementation WG

Next Generation Urban Transportation WG

International Cooperation WG



SIP-adus's Project (FY2015)

Dynamic Map	
Activity Plan of Dynamic Map Study	co1-1.pdf
Research for the advancement of driving support by utilizing traffic regulation information	npa2.pdf
Development of Vehicle-to-pedestrian Communication Technology	miac1-2.pdf
Connected Vehicle	
Research for advanced Traffic Signal Prediction Systems	npa1.pdf
Research for the advancement of DSSS, Driving Safety Support Systems, which utilize ITS radio communication	npa3.pdf
Creation of an internationally open research and development environment	npa6.pdf
Development of V2V,V2I Communication Technology Toward the Automated Driving Systems	miac1-1.pdf
Development of Infrastructure Radar System Technology	miac1-3.pdf
Development and FOT of Traffic Signal Prediction Systems	meti6-3.pdf
Next-Generation Intelligent Transport Systems (ITS) utilizing Information and Communication Technology (ICT)	mlit_miac1.pdf
Human Factors	
Basic Research on Requirements for Safety and Reliability of Automated Driving System	mlit2.pdf
Research on Technical Requirements for Human Machine Interface (HMI) Related to Safety of Automated Driving System	mlit3.pdf

Research project for Promoting International Cooperation on Automated and Connected Driving Systems.	co1-3.pdf
Development and verification of construction technology of driving video recognition database	meti6-2.pdf
Development and Verification of Lane Marker Detection System in All-weather Condition	meti6-4.pdf
Survey on basic evaluation for effective utilization of satellite positioning technology	meti6-5.pdf

■ Budget

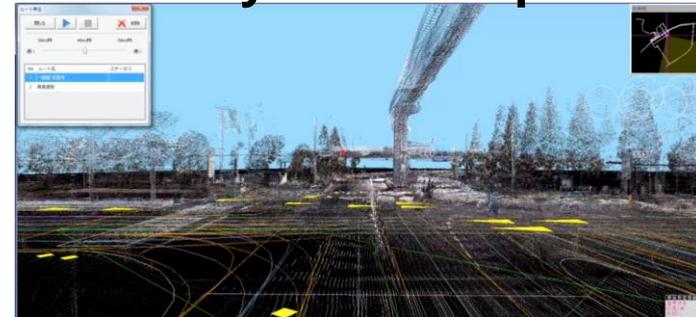
- FY 2014 : \$25 M \100/\$
- FY 2015 : \$23 M \100/\$
- FY 2016 : \$26 M \100/\$

Technology Developments

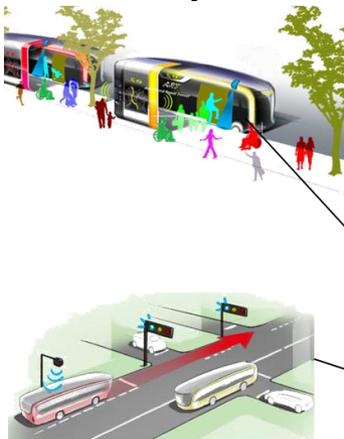
■ Five Focused areas

1. Dynamic Map
2. HMI
3. Information Security
4. Pedestrian Accident Reduction
5. Next Generation Transport

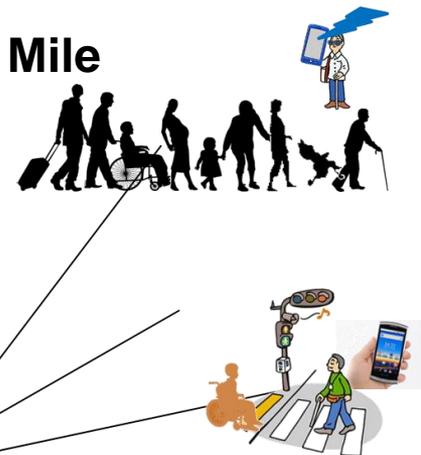
Dynamic Map



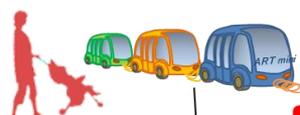
Advanced Rapid Transit
(Short/Mid distance)



Pedestrian Assist System



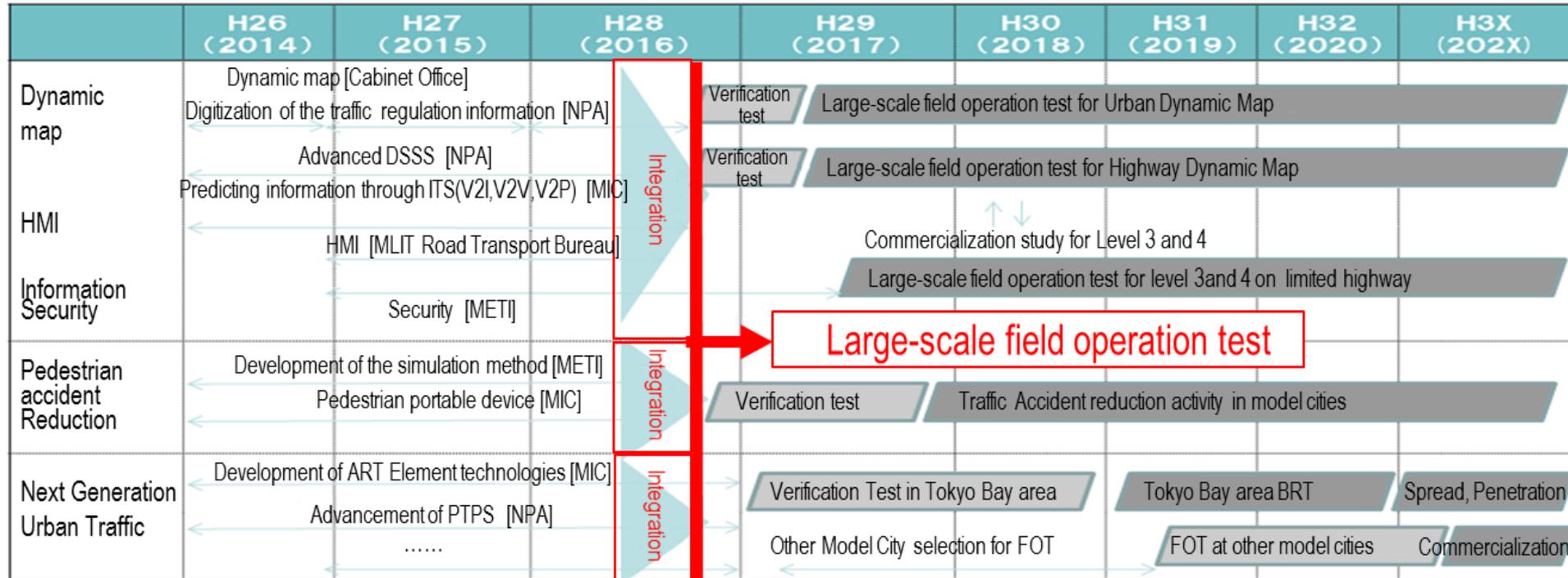
First Mile/Last Mile



Next Generation Traffic Control Center
Next Generation Transport

Field Operational Test from FY 2017

Accelerate use of development results and enhance implementation



1. Clarify technical and institutional issues with variety of OEMs
2. Acquire new viewpoints from various participations outside SIP-adus
3. Enhance International cooperation and harmonization
4. Build Social acceptance by involving ordinary citizens

Field Operational Test from FY 2017

«Purpose»

1. To activate the R&D
2. To prove each elemental technology
3. To enhance international cooperation and harmonization
4. To Build Social acceptance

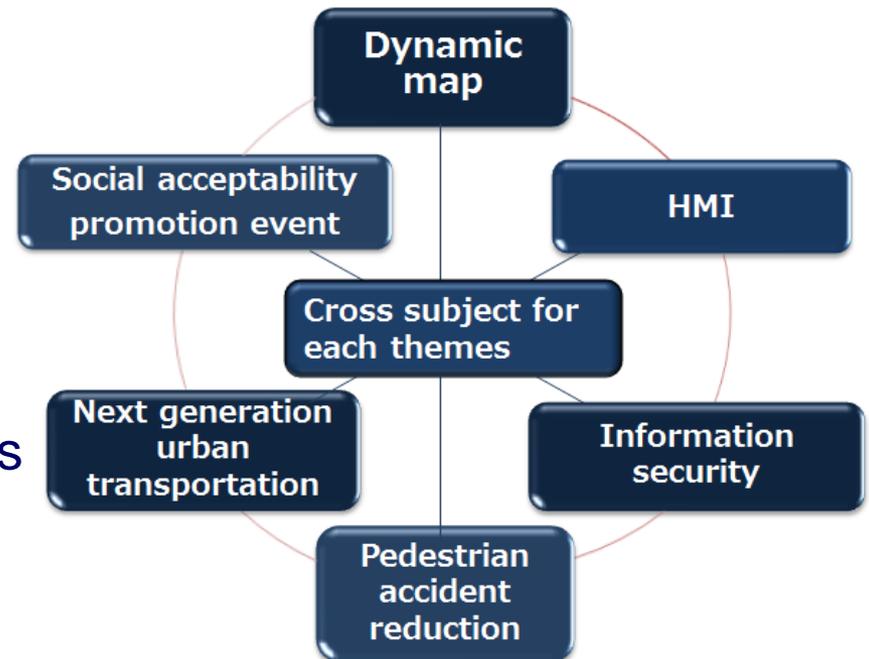
«Participant»

- OEMs/Suppliers
- Universities/Research organizations
- Ministries, government officers
- Foreign OEMs/suppliers
- Journalists

«Period»

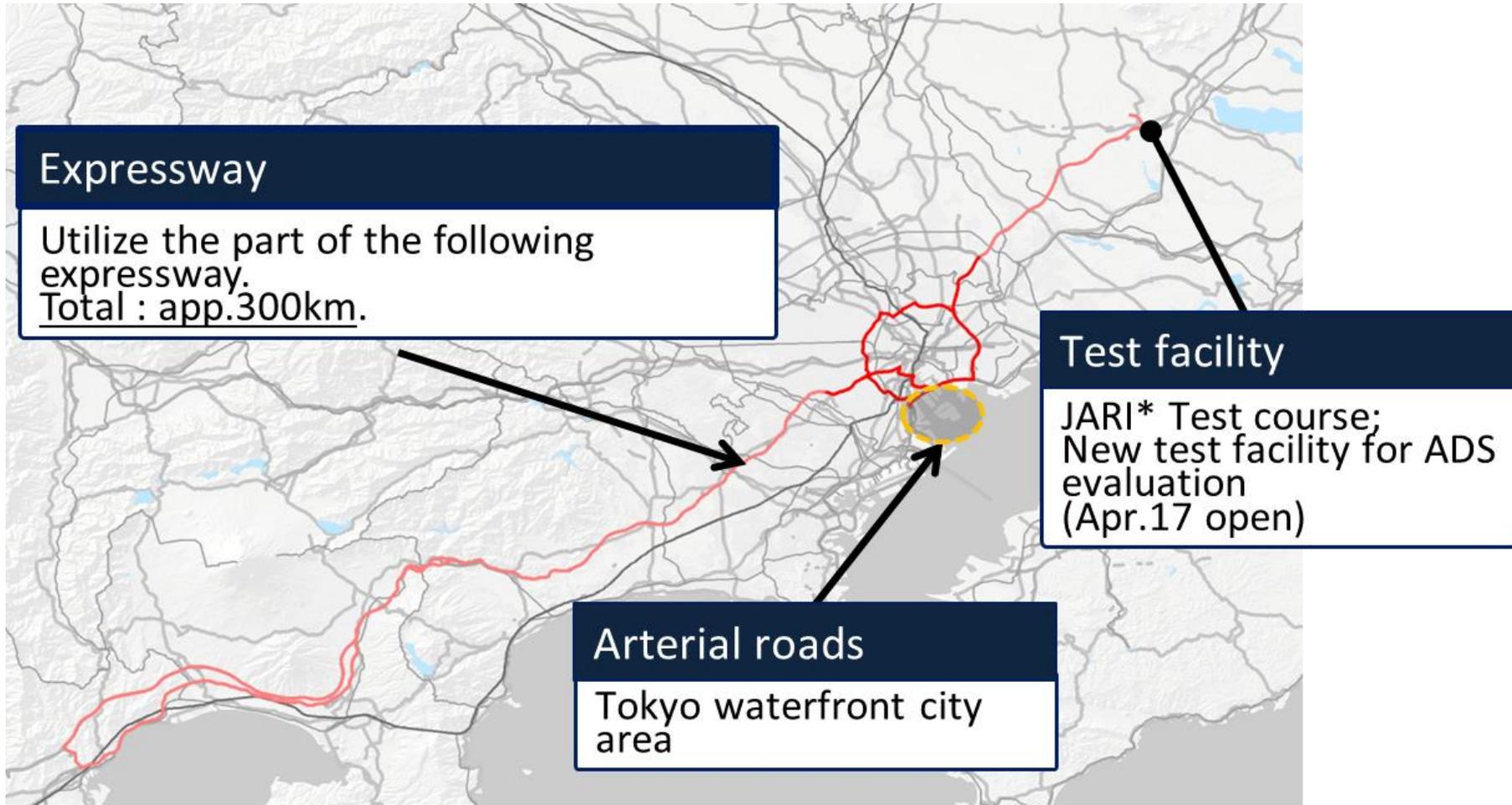
Autumn 2017 ~ beginning of 2019

«Main themes»



Field Operational Test from FY 2017

«Test site»



(*JARI : Japan Automotive Research Institute)

SIP-adus Workshop 2017

Save the date

<http://en.sip-adus.jp/>

- **Organizer** : Cross-Ministerial Strategic Innovation Promotion Program, Council for Science, Technology and Innovation, Cabinet Office, Government of Japan
- **Date** : **November 14-16, 2017**
- **Venue** : Tokyo International Exchange Center
http://www.jasso.go.jp/tiec/index_e.html
Tokyo Academic Park
2-2-1 Aomi, Koto-ku, Tokyo 135-8630 Japan



END