SIP-adus Workshop 2015 Dynamic Map Session

Dynamic Map Development in SIP-adus

Cross-Ministerial Strategic Innovation Promotion Program Innovation of Automated Driving for Universal Services

> October 27, 2015 Ryota Shirato

Member of System Implementation WG, SIP-adus (Nissan Motor Company)

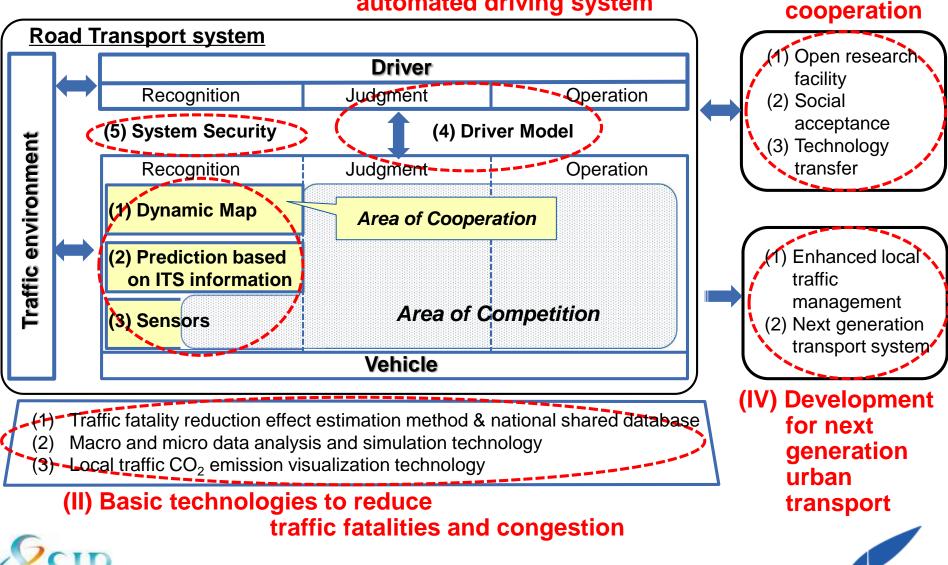


Scope of SIP-adus

(I) Development and verification of

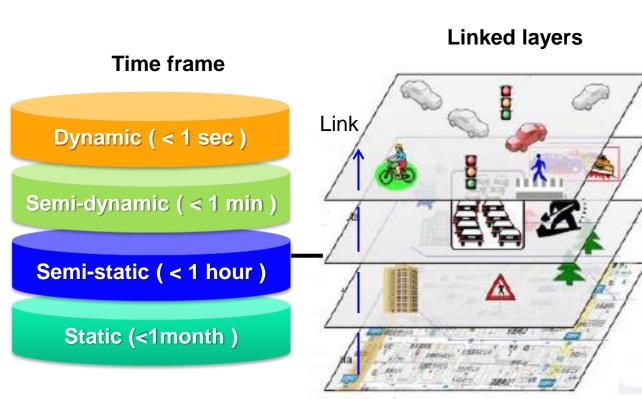
automated driving system

(III) International



Dynamic Map

Hierarchical structure of digital 'Map' layered by time frame



Basic Map

Information through V to X

- surrounding vehicles
- pedestrians
- timing of traffic signals

Traffic Information

- accidents
- congestion
- local weather

Planned and forecast

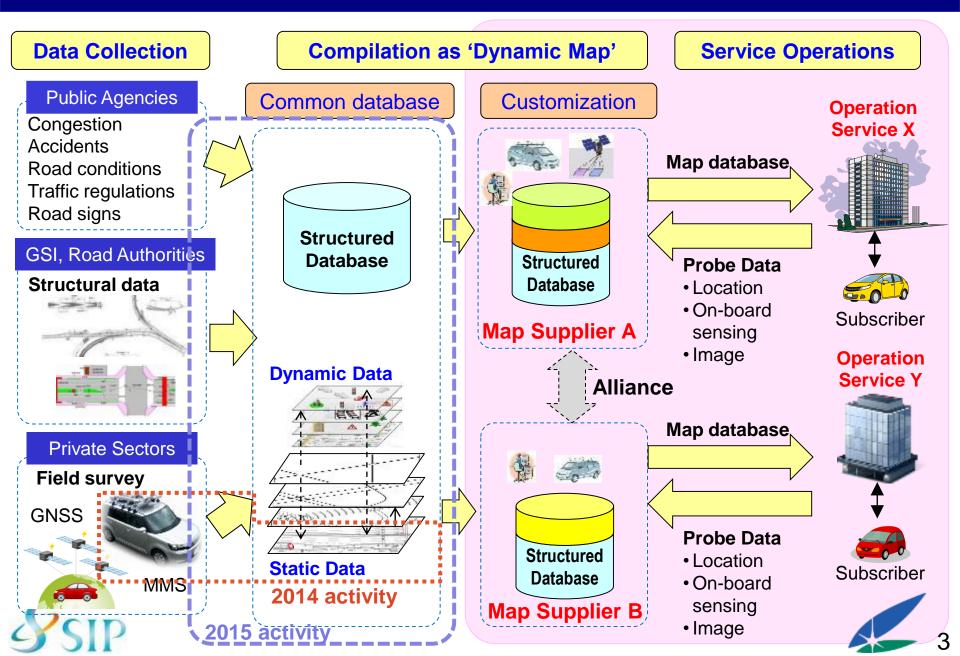
- traffic regulations
- road works
- weather forecast

Basic Map Database

- Digital cartographic data
- Topological data with unique
- Road Facilities



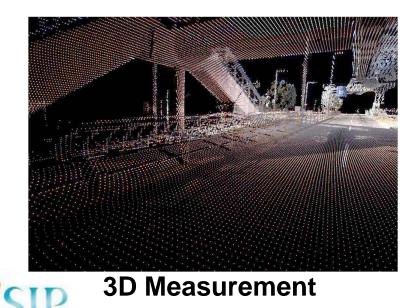
Framework for Dynamic Map



Prototyping HD Static Map

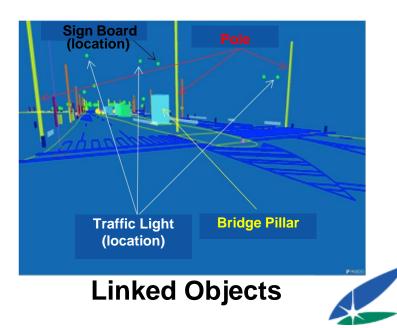


Road Environment

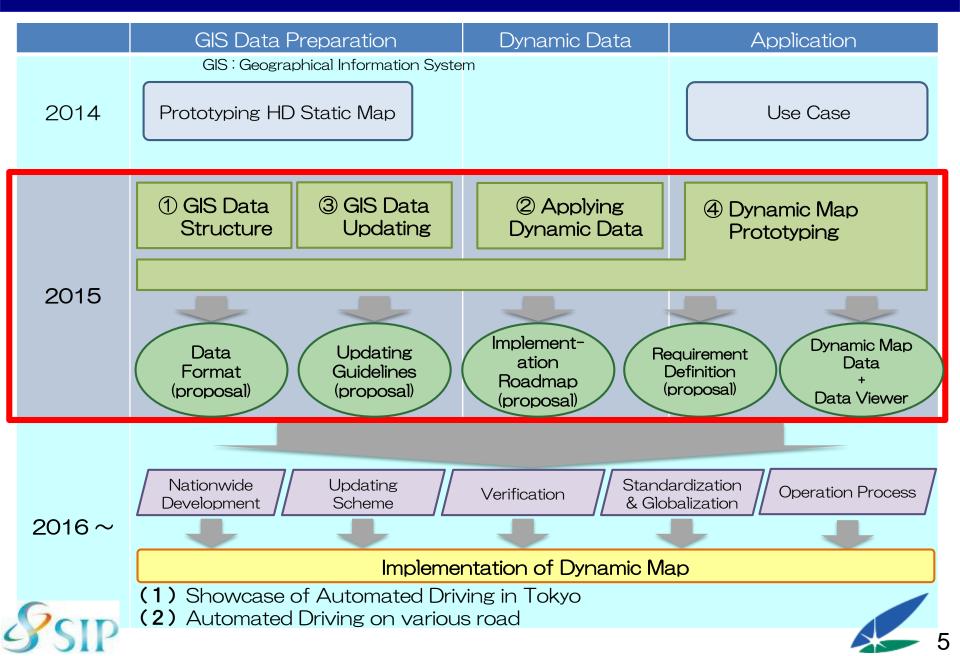




Target Area

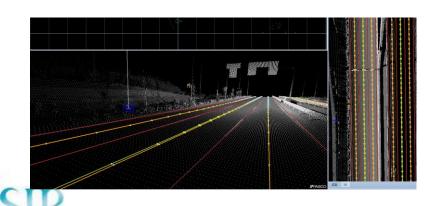


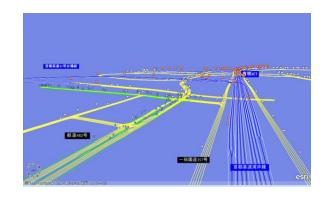
Static + Dynamic Data Structuring



2nd SIP-adus Workshop Dynamic Map Breakout Session

- Date: October 28, 13:30-17:30
- **Topics: 1. How to get HD map information**
 - 2. Dynamic & Static data integration
 - 3. Communication devices for providing dynamic data







Thank you for your attention !



