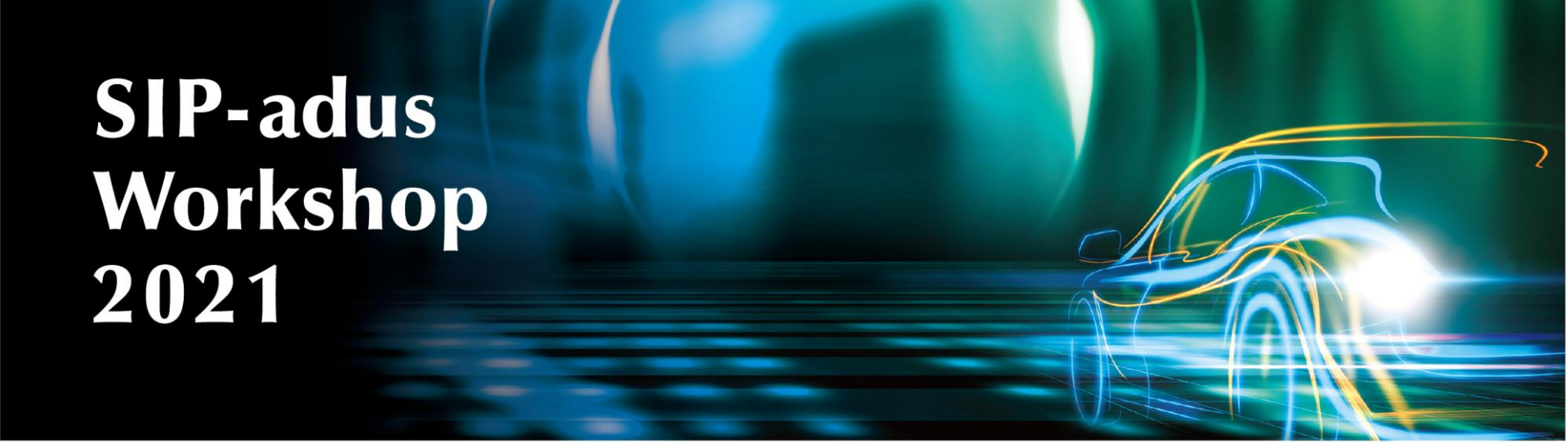


Dynamic Map
Introduction of the Session

Tokyo (Online), November 10, 2021

Satoru NAKAJO, the University of Tokyo

SIP

Cabinet Office

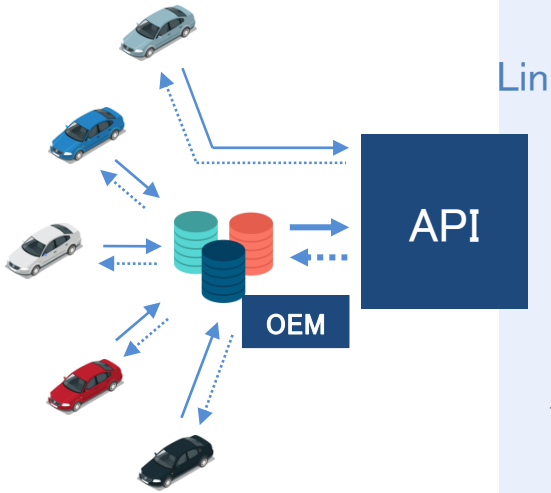
Before starting the presentations…

Brief explanation of

- ✓Dynamic Map and the reports of 2020
- ✓International activities

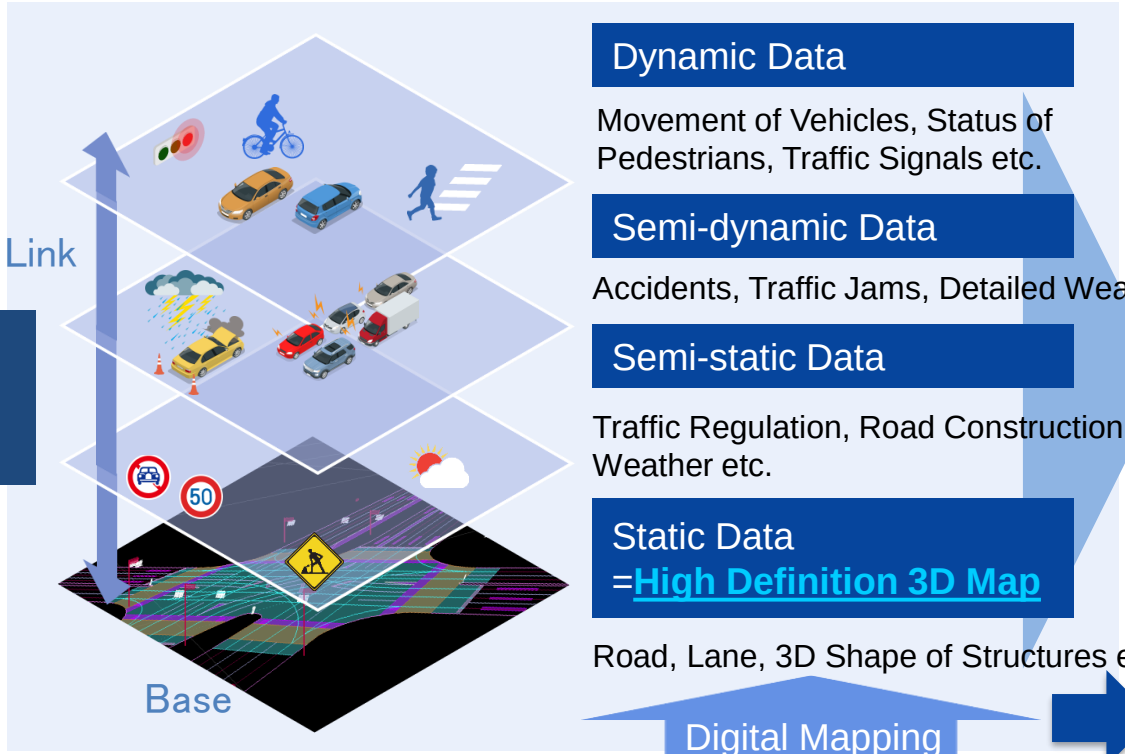
Overview of Dynamic Map

Dynamic Map



API

API : Application Program Interface



Dynamic Data

Movement of Vehicles, Status of Pedestrians, Traffic Signals etc.

Semi-dynamic Data

Accidents, Traffic Jams, Detailed Weather etc.

Semi-static Data

Traffic Regulation, Road Construction, Weather etc.

Static Data
=High Definition 3D Map

Road, Lane, 3D Shape of Structures etc.

Combine various data

Digital Mapping

Various Uses

Platform

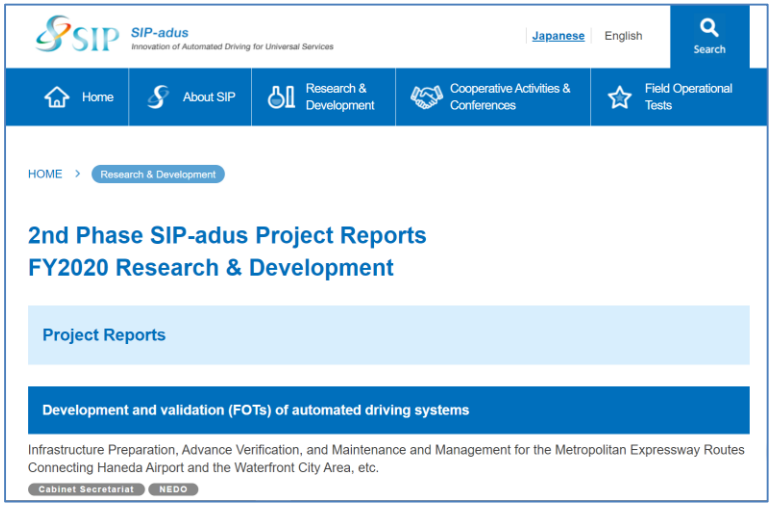
3D Common Platform Data

Point Clouds, Graphics, Probe Data etc.

SIP

Status on SIP-adus

- ✓ FOT 2020 had completed and preparing for FOT 2021.
- ✓ Reports of 2020 activities are opened.
  - ➢ Results of FOT 2020
  - ➢ Map updates with vehicle probe data, etc.



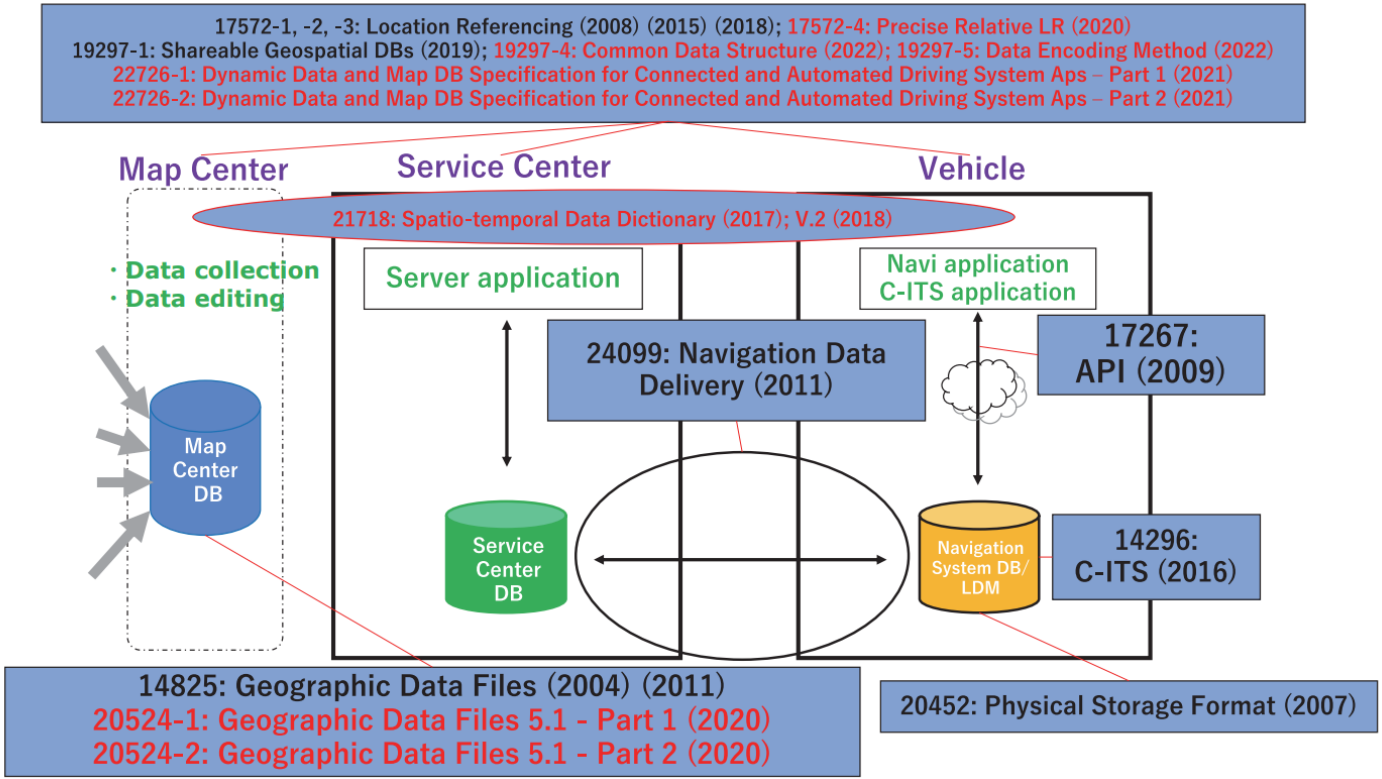
All the reports are available.

https://en.sip-adus.go.jp/rd/

SIP

International activities: ISO

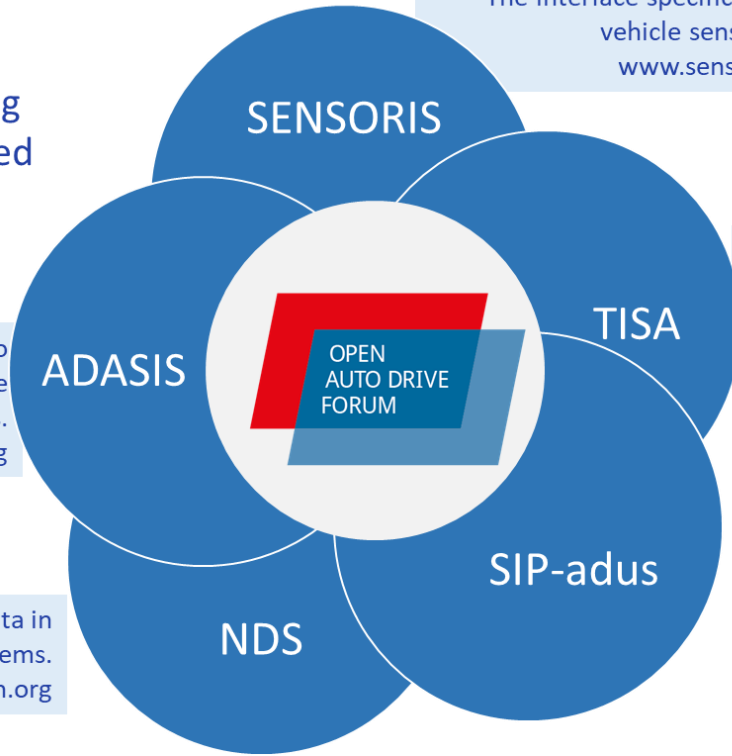
✓ Deeply contributed the related items on ISO/TC204/WG3.



International activities: OADF

✓ Actively participate as a steering committee member.

Cross-domain discussion platform driving standardizations in the area of automated driving



The interface specification for vehicle sensor data.
www.sensor-is.org

Traffic and travel information services and products based on RDS-TMC and TPEG™.
www.tisa.org

The data exchange interface to support Advanced Driver Assistance Systems (ADAS) applications.
www.adasis.org

Develops ITS as cross-ministerial collaboration, working on AD system implementation in Japan and next-gen urban transport.
en.sip-adus.go.jp

The worldwide standard for map data in automotive eco-systems.
www.nds-association.org

OpenDRIVE®
managing the road ahead

Further Collaborations

ADASIS

- ✓ Provided v3 specification for SIP-adus FOT
  - – based on a letter from NEDO to ADASIS AISBL

- ✓ Studying for the possibility on SIP-adus FOT use

Today's Presenters

Jean-Charles Pandazis

ADASIS & SENSORIS coordinator

Andras Csepinszky

Speaker, OADF

Akihito Takahashi

VP Sales & Japan Country Manager, HERE Technologies

Hiroyuki Inahata

President, Dynamic Map Platform Co., Ltd.

Yoshiaki Tsuda

Chief Engineer, Mitsubishi Electric Corporation

SIP