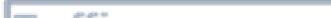SIP | Cabinet Office | NEDO

Dynamic Map
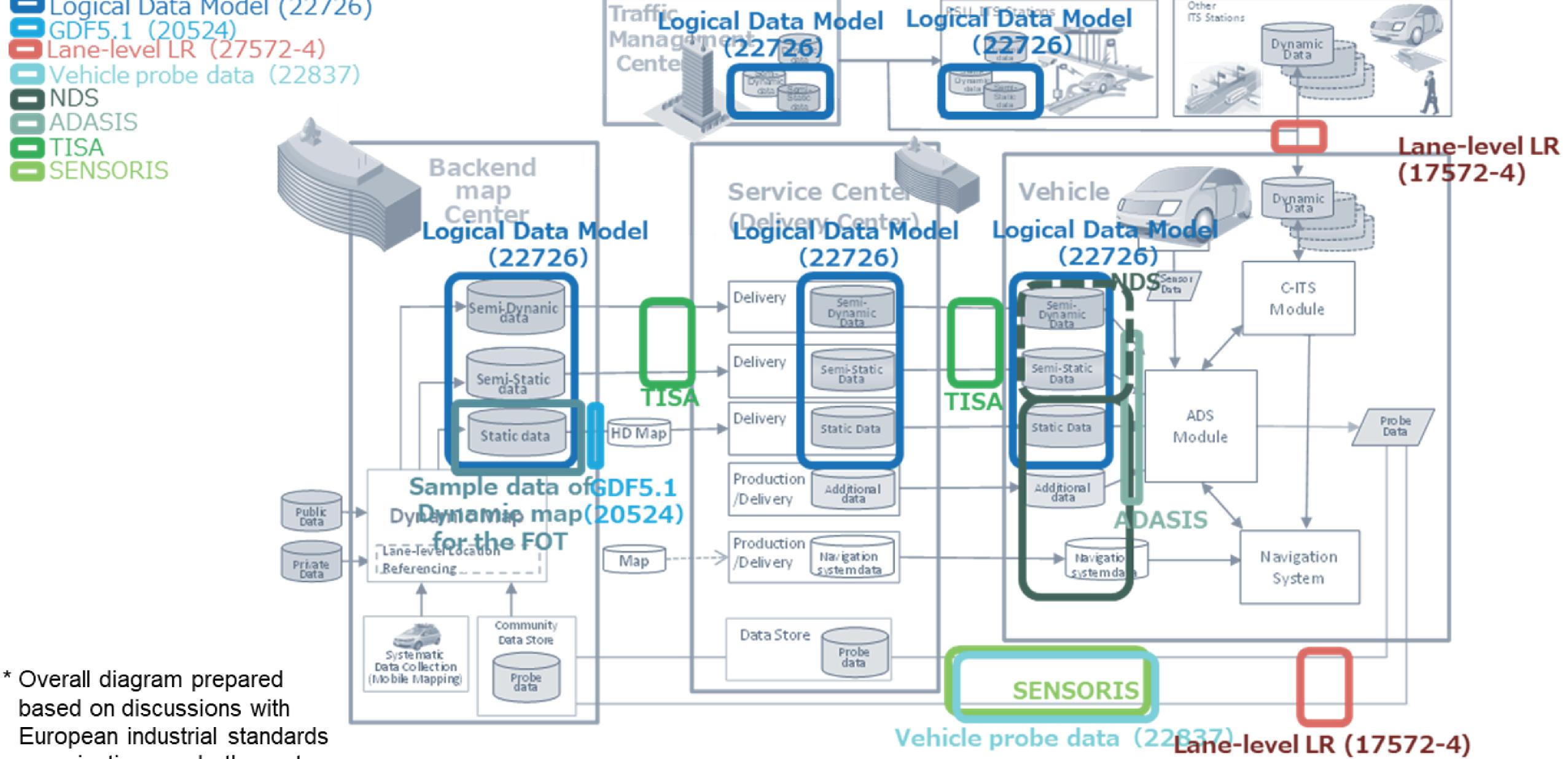## Towards utilization of semi static&dynamic data

Architecture for 2nd Phase SIP-adus Tokyo Water Front FOT

Data flow and Standardization regarding Dynamic Map

- Sample data of Dynamic map for the FOT
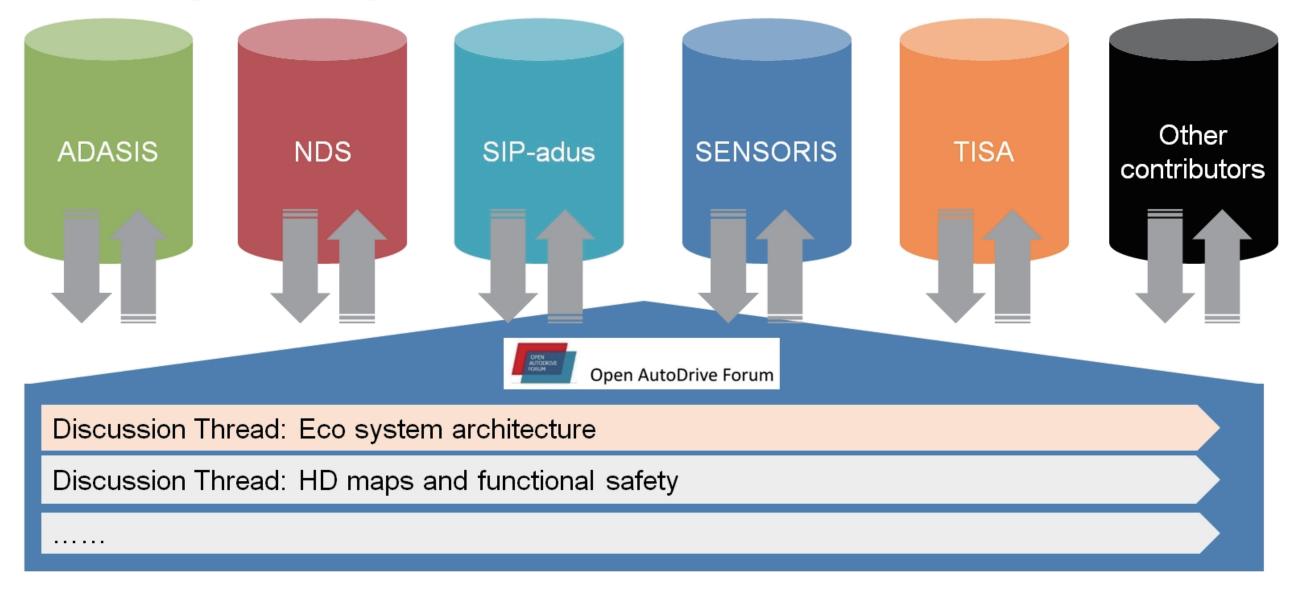- Logical Data Model (22726)
- GDF5.1 (20524)
- Lane-level LR (17572-4)
- Vehicle probe data (22837)
- NDS
- ADASIS
- TISA
- SENSORIS

* Overall diagram prepared based on discussions with European industrial standards organizations and others at the SIP-adus Workshop 2017 (currently under discussion)

Cooperation with consortium overseas (OADF）

- OADF generates **input for standardization** and aligns the results towards **industry wide acceptance** and **state of the art solutions**

ADASIS | NDS | SIP-adus | SENSORIS | TISA | Other contributors

Open AutoDrive Forum

Discussion Thread: Eco system architecture

Discussion Thread: HD maps and functional safety

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ADASIS
To enable and/or enhance the functionalities of Advanced Driver Assistance Systems (ADAS), vehicle manufacturers want to access and use the information provided by navigation systems such as map data, vehicle position and speed. In order for ADAS applications to access this data, an appropriate information exchange interface must be defined. This is the overall aim of the ADASIS Forum.

Navigation Data Standard
NDS is a registered association with the vision of providing a leading world-wide map standard for automotive grade use. The NDS Association consists of car manufacturers, application/compiler developers, map and service providers.

SENSORIS
The Sensor Ingestion Interface Specification describes the needed technical requirements of data sets for vehicles submitting rich data gathered by on-board car sensors.

TISA
TISA (Traveller Information Services Association) is a non-profit company focused on proactive implementation of traffic and travel information services and products based on existing standards, including primarily RDS-TMC and TPEGTM technologies. TPEG specifications offer a method for transmitting multimodal traffic and travel information, regardless of client type, location or required delivery channel (e.g. DAB, HD radio, Internet, DVB-x, DMB, GPRS, Wi-Fi …).