



OADF – Overview of activities

Satoru Nakajo | SIP-adus representative in the OADF Steering Committee
13 November 2019, Tokyo, Japan

Maps and reliable location data are essential

Automated/autonomous driving (AD)

- AD requires **high-definition** maps
- Eventually, the whole navigable/drivable world will be
 - **mapped** with very high **precision**, where
 - maps are **updated** with very high **frequency**
 - and from different sources
- AD requires **international standards** for maps and **global cooperation** between all stakeholders

The initiative



A brief introduction of the **OPEN AUTO DRIVE FORUM**

- founded by **NDS** and **ADASIS** in November 2015
 - first meeting in December 2015
- Close collaboration with ASAM on OpenDRIVE, discussion regarding OpenSCENARIO
- Discussions with TN-ITS and ISO ongoing

<http://openautodrive.org/>

Public dissemination platform

■ OADF materials

- Meeting minutes
- Presentations
- Reference documents

accessible to registered OADF members

Simply register for obtaining access.



A screenshot of the Open Auto Drive Forum website's news page. The page has a white background with a blue header containing navigation links: News, Objectives, Story, Consortia, Participants, and Join Now! (highlighted in red). There are also links for Contact and Login. Below the header is a large aerial photograph of a road. The main content area is titled "News" and lists three news items. Each item includes a title, a date and author, and a short description. The first item is "Announcement: 13th Open AutoDrive Forum on February 18th, 2020" by M. Junker, dated June 18, 2019. The second is "Review: 12th Open AutoDrive Forum on June 12, 2019" by M. Junker, dated June 18, 2019. The third is "Review: 11th Open AutoDrive Forum on February 5, 2019" by M. Junker, dated February 10, 2018. Each item has a "Continue Reading" button. At the bottom right of the news section is a "Older news" button. Below the news section is a section titled "Objectives & Mission" with a bullet point: "Act as open discussion platform for cross-domain topics in the area of autonomous driving that require cooperation throughout the industry."

OADF Terms (excerpt)

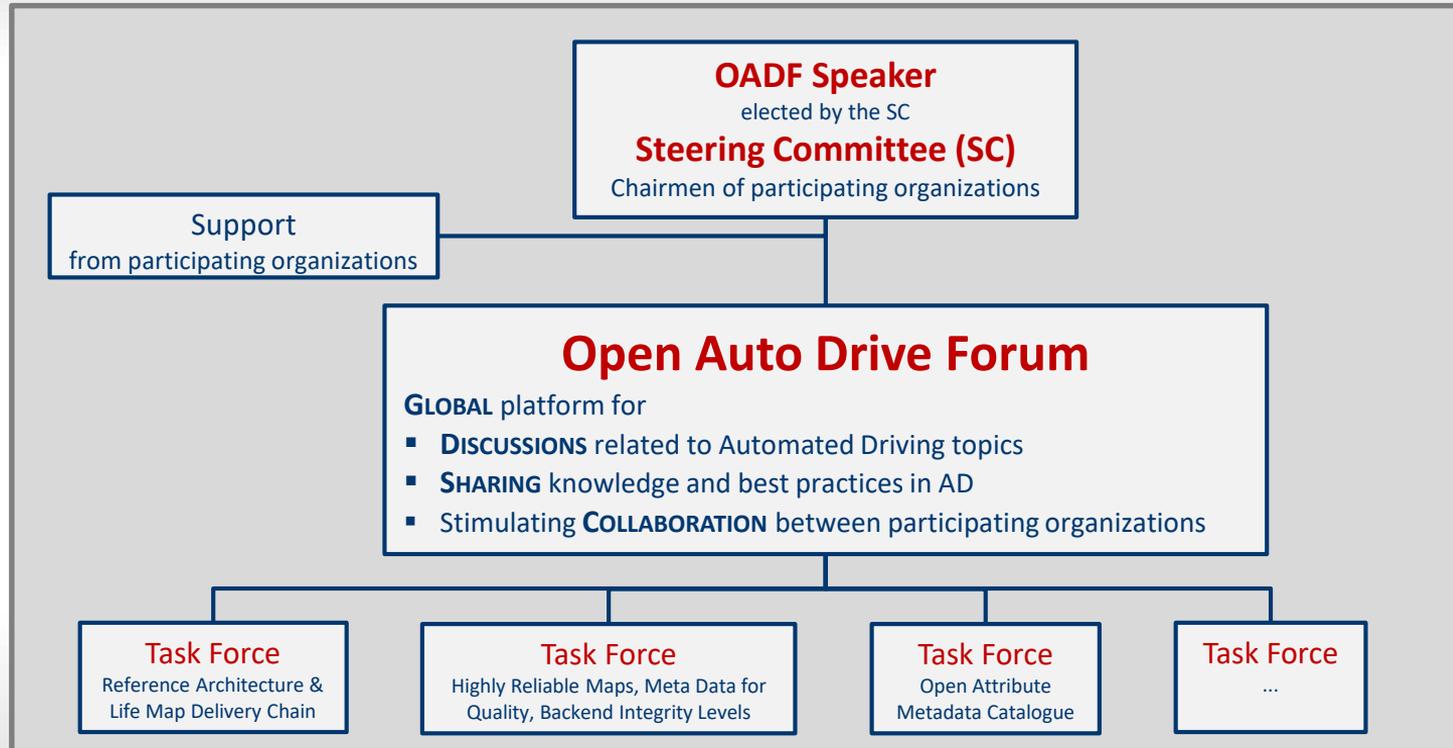
Objectives

- ... a platform to **present** the latest developments ...
- ... discussion platform for **cross-domain** topics ... in AD ...
- Generate ... input for **standardization** ...
- Connect ... authorities and ... industry ...

Mission

- ... develop ... solutions for AD, which ... work in the reference ecosystem

OADF Structure



OADF Steering Committee

Chairmen/directors of the participating organizations

ADASIS	Michael Klingsöhr (Bosch)
NDS	Martin Schleicher (Elektrobit)
SENSORIS	Prokop Jehlicka (HERE)
SIP-adus	Satoru Nakajo (University of Tokyo)
TISA	Matthias Unbehaun (TISA Executive Office)

Current OADF speaker

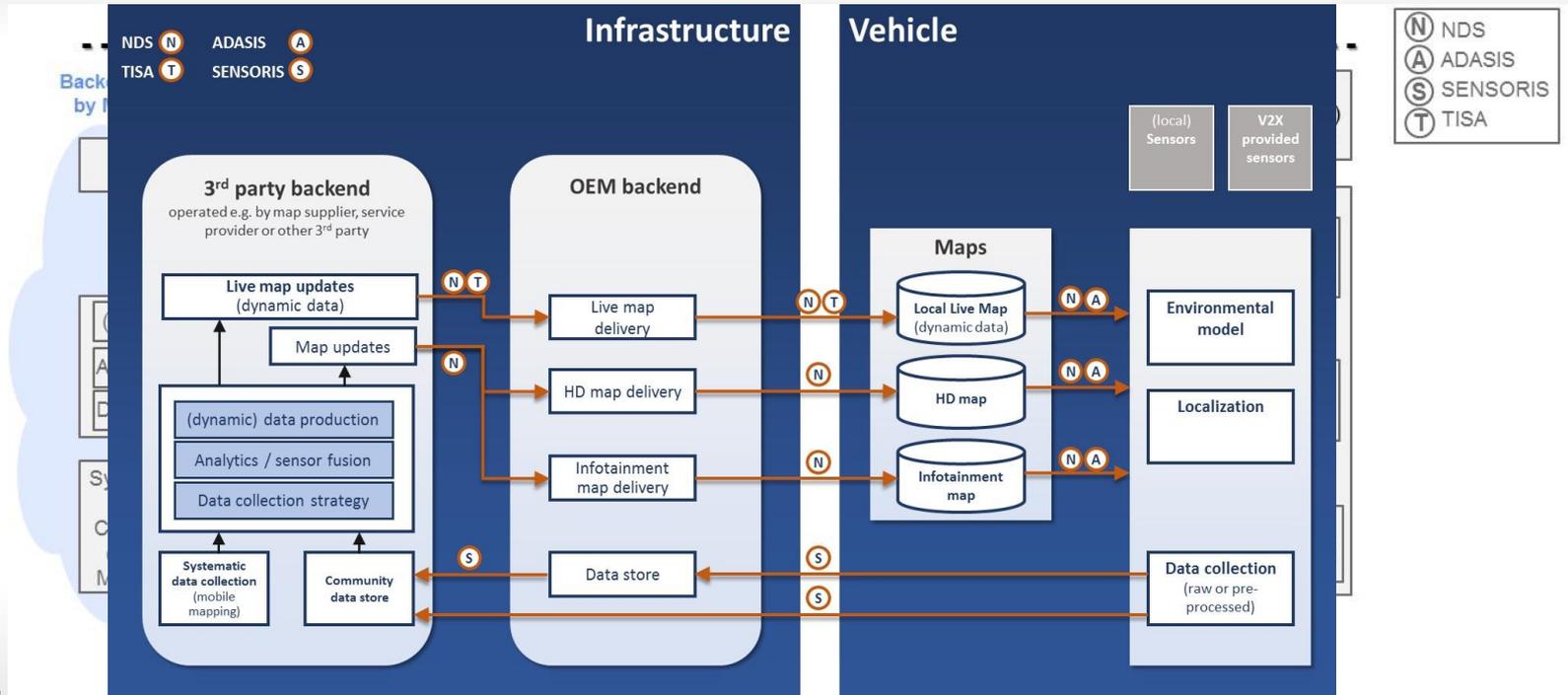
Matthias Unbehaun, TISA

Working mode and meetings

The OADF members agreed on the following

- The forum meets 2-3 times per year on different continents (rotating)
- The forum consists of a plenum and interactive/breakout sessions
- The forum initiates Task Forces (TFs) where needed
- TFs operate between the forum meetings

OADF Ecosystem



OADF Forum Meetings

1. 2015 (Dec) Schwalbach, Germany (hosted by HERE)
2. 2016 (Feb) Schwalbach, Germany (hosted by HERE)
3. 2016 (April) Amsterdam, The Netherlands (hosted by TomTom)
4. 2016 (June) San Jose, USA (at Club Auto Sport)
5. 2016 (Oct) Beijing, China (hosted by Navinfo)
6. 2017 (Feb) Brussels, Belgium (hosted by TISA)
7. 2017 (May) Chicago, USA (hosted by Harman)
8. 2017 (Nov) Tokyo, Japan (collocated with SIP-adus conference)
9. 2018 (March) Budapest, Hungary (hosted by NNG)
10. 2018 (July) Wuhan, China (hosted by Wuhan Kotei Big Data Corporation)
11. 2019 (Feb) Belmont, CA (hosted by Volkswagen)
12. 2019 (June) Munich, Germany (collocated with NDS Open Conference)
13. **2020 (Feb) Beijing**

Outlook

- The OADF shall continue to be a **global platform** for **sharing knowledge, networking** and **collaboration** between all stakeholders in the automated/autonomous driving realm.
- Continuous focus of the SC on
 - **Increasing outreach to other organizations working on AD topics**
 - **Intensifying collaboration between OADF organizations**
 - **Demonstrating the benefits of interoperability and the value of industry standards**

Invitation to 13th OADF Event

- The 13th OADF event is hosted on February 18, 2020 by Kuandeng in the LANDOCOOL in Beijing, China
- Agenda highlights:
 - Keynotes from Industry Experts
 - Activities/Plans of Standardization Organizations Regarding Autonomous Driving: ADASIS, NDS, SENSORIS, SIP-adus, TISA, TN-ITS, OpenDRIVE
 - Cross-Organizational Activities
- Registration will open end of November at the latest. Please check <http://openautodrive.org/> or contact us for adding you to the mailing list.

OADF Contact

c/o Navigation Data Standard (NDS) e.V.

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<http://openautodrive.org/>