Session Title: Smart Parking – Smart Mobility: Interoperability, Implementing Standardisation and Digitization

Description:

APDS is now the global standard for parking data. The International Organization for Standardization (ISO) has formally adopted the ISO TS 5206-1 parking data specification based on the APDS specifications. The new standard will be published later this month. DATEX II has also formally adopted a revised version of its Part 6 based on the APDS specifications. The resulting amended CEN TS 16167-6 "DATEX II" Parking Publications will be published later this year.

Adoption of the APDS standard specifications and APIs will simplify and reduce the cost of of data sharing and facilitate the development and introduction of innovative technologies and services in the parking and mobility sectors. This will benefit travellers as it will allow them to find and pay for parking and related services more easily and efficiently across multiple channels. It will also allow parking to be seamlessly integrated into convenient, sustainable, multi-modal journeys for people and goods. The future of sustainable mobility requires interoperability including the integration of parking with the other modes of transport.

The Open Mobility Foundation (OMF) is an open-source foundation that creates a governance structure around open-source mobility tools, beginning with a focus on the Mobility Data Specification (MDS). By creating an open-source foundation, OMF offers a safe, efficient environment for stakeholders including municipalities, companies, technical, privacy, and policy experts, and the public to shape urban mobility management tools that help public agencies accomplish their mobility policy goals. OMF and APDS are discussing the potential to collaborate to provide municipalities, technology providers, and consumers of curb side data with a common approach to share their data.

The TOMP-API is a standard interface for MaaS, developed with support from the Netherlands' government. The ambition is to develop and sustain an internationally governed, interoperable open standard for technical communication between Transport Operators and Mobility Providers. The APDS and TOMP teams are exploring how the APDS APIs and the TOMP-API interface can be aligned to facilitate sustainable, multi-modal journeys.

Use cases from around the world will be presented in an interactive session connecting parking (digitally) with other parts of the sustainable mobility chain, including the automotive world with the ERTICO led European Automated Valet Parking platform