

UNLOCKING SCALABILIY OF MAAS IN EUROPEAN CITIES



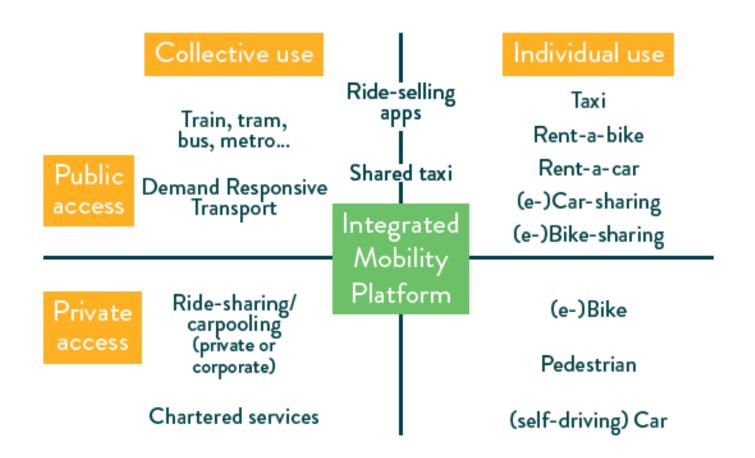






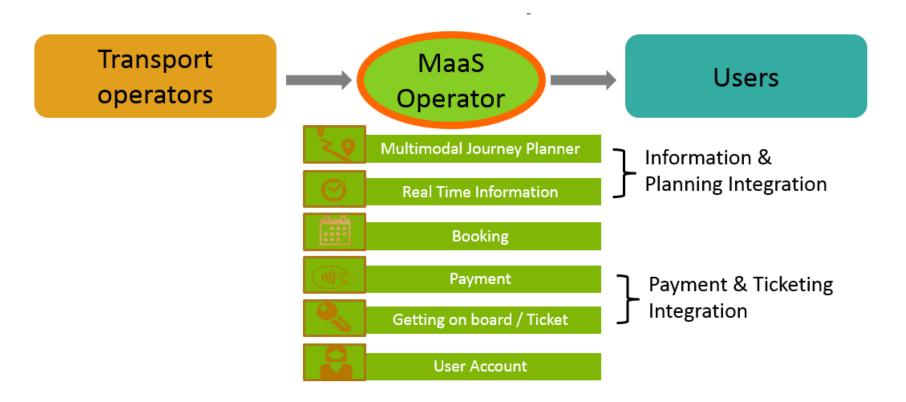
Guido Di Pasquale, UITP

WHAT IS MAAS?





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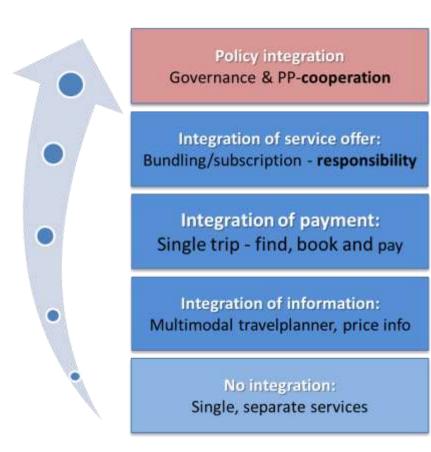
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LEVELS OF INTEGRATION

Levels of integration









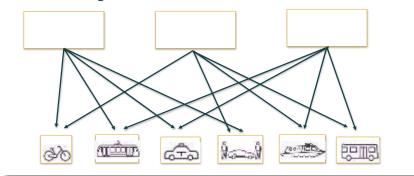


ECOSYSTEM 'MODELS'

(RÖHRLEEF 2017)

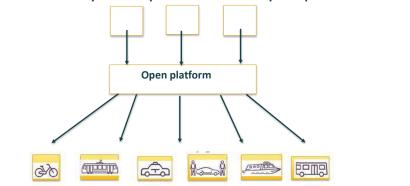
1. Commercial actor

- Integrators organise themselves
- Competition
- Free, unregulated market



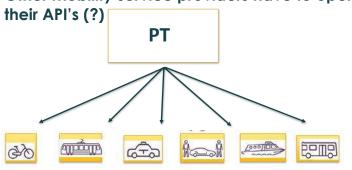
2. Creator of an open back-end platform

- Technical back-end platform serves as « public infrastructure »
- · Competion on front-end side
- · Other mobility service providers have to open up their API's



3. Integrator around PT

- MaaS run by Public Transport with selected mobility services
- Rules set by PT
- Other mobility service providers have to open up
 their API's (2)



IMTS Bus Seminar May 2018, Delhi

DEPLOYMENT IN EUROPE: IMOVE PROJECT

www.imove-project.eu

#H2020 IMOVE























Cofinanced by the EC

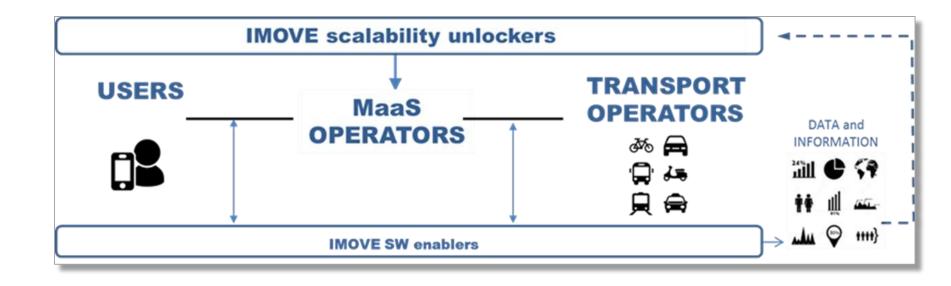






IMOVE – OVERALL GOAL AND APPROACH

To accelerate the deployment and unlock the scalability of MaaS schemes in Europe, paving the way for a "roaming" service for MaaS users at the European level.









IMOVE – SCALABILITY UNLOCKERS

- Sustainable Business Models and organisational MaaS Frameworks
 - contracts, Terms & Conditions, etc.
- Behaviour change strategies
 - e.g. incentive models, rewarding schemes, gamification, etc.
- User engagement schemes
 - inspired by marketing and XaaS economy
- Long-term MaaS interoperability and roaming strategies
 - cross-MaaS, cross-borders

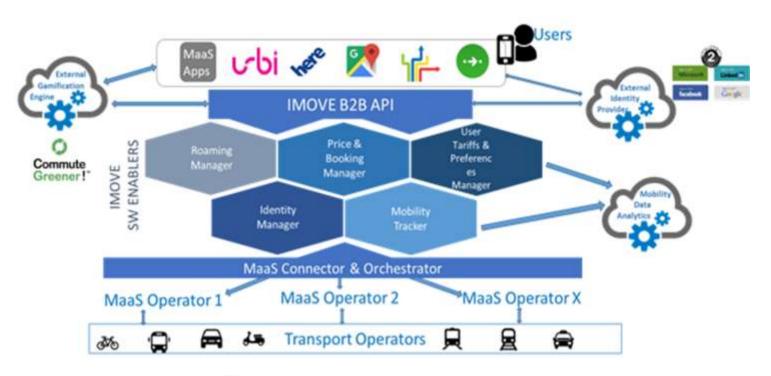




IMOVE – SOFTWARE ENABLERS AND ARCHITECTURE

IMOVE B2B API

enabling (1) interoperability with external systems (travel planners, multimodal Apps, etc.) and (2) application development









IMOVE DATA EXCHANGE AND INTEROPERABILITY FRAMEWORK

- Identify the opportunities and barriers for data sharing across all MaaS actors, in the IMOVE Living Labs and beyond
- Define the necessary interfaces and data translators between MaaS actors: the IMOVE B2B API
- Analyze user mobility patterns so as to understand customer expectations, study behavior changing strategies and identify further business potential for MaaS actors



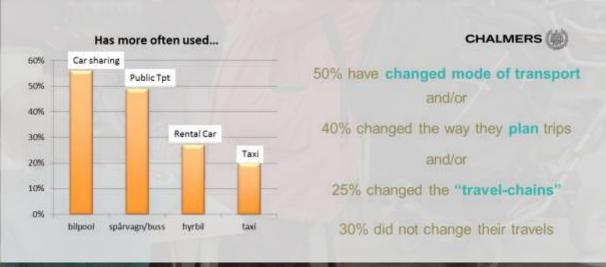


MAAS PILOT IN GOTHENBURG

The Gothenburg pilot 2013-2014

- 70 households paying households
- 6 months
- Flexible subscription (≈ 130€/month)
- 20 cars in storage
- 0 drop outs
- >12 000 bookings/transactions
- Mostly normal
- Curios and quite demanding = early adopters





MAAS AND PUBLIC TRANSPORT WHAT ROLE FOR PUBLIC TRANSPORT?





Local integrator

National integrator

KVV.mobil powered by Moovel



Partner

Mobility provider

National technical integrator







CASE STUDY: WIENMOBIL, VIENNA – PT AS INTEGRATOR

MOBILITY SERVICE PLATFORM

- = PUBLIC DIGITAL INFRASTRUCTURE
 - Wiener Linien set up a subsidiary: Upstream next level mobility GmbH
 - Upstream runs a multimodal mobility service platform:
 - it unites publicly available transport offers (and potentially corporate fleets) into tailor-made services
 - it offers a central digital access to the whole world of urban mobility



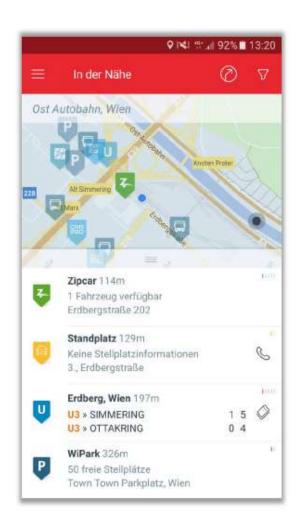


What is WienMobil?

- Digital Service for Wiener Linien Customers
- Combination of public transport and additional mobility service offers
- Unified Customer Service for:
 - Registration & User Data Management
 - Management of Mobility Profile
 - Multimodal Information & Routing
 - Ticketing, Booking & Reservation
 - En Route Navigation

Customer benefits:

- Additional options of mobility in Vienna apart from private cars are more transparent.
- Easier use of additional mobility forms.
- simply being mobil





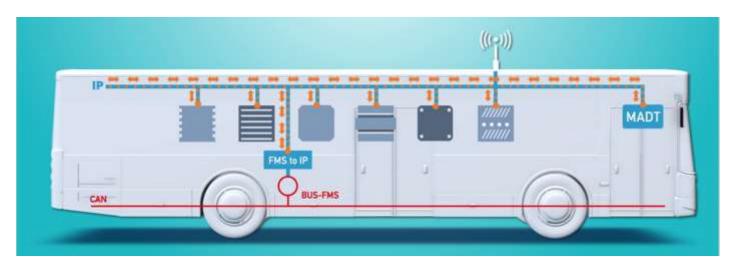
INTEROPERABILITY IS A KEY **FACTOR**

www.itxpt.org





Time and money should be invested in new and innovative applications!



Applied standards for interoperable "plug-and-play" onboard and back-office IT-systems for public transport.







ITxPT testbench

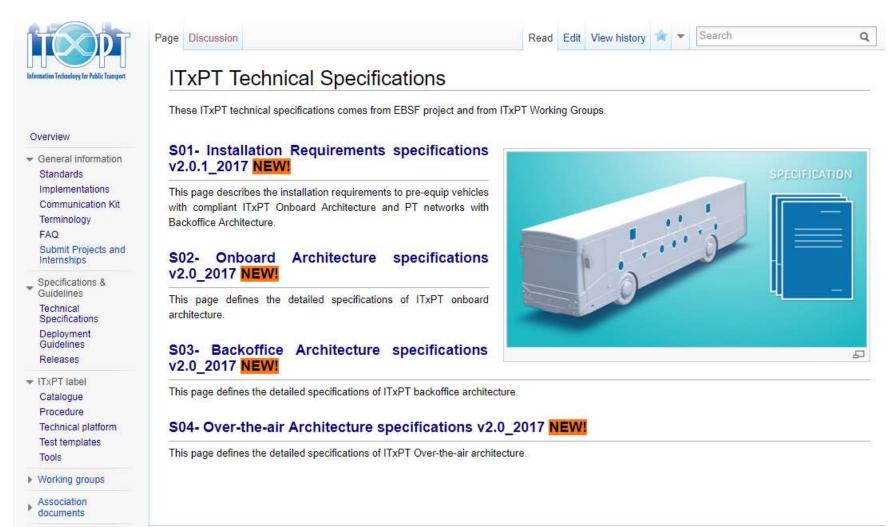
Testbench



Vehicle pre-preparation



ITXPT TECHNICAL SPECIFICATIONS





OUTLOOK

- > Local context matters
- MaaS = cooperation, build up the dialogue of the MaaS ecosystem
- > Shared mobility needs to be promoted
- > PT is the backbone of integrated urban mobility
- Value of Data: data of public interest generated by MaaS should be accessible to optimise and enhance public transport & urban mobility
- Interoperability is a key factor



THANK YOU!!

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