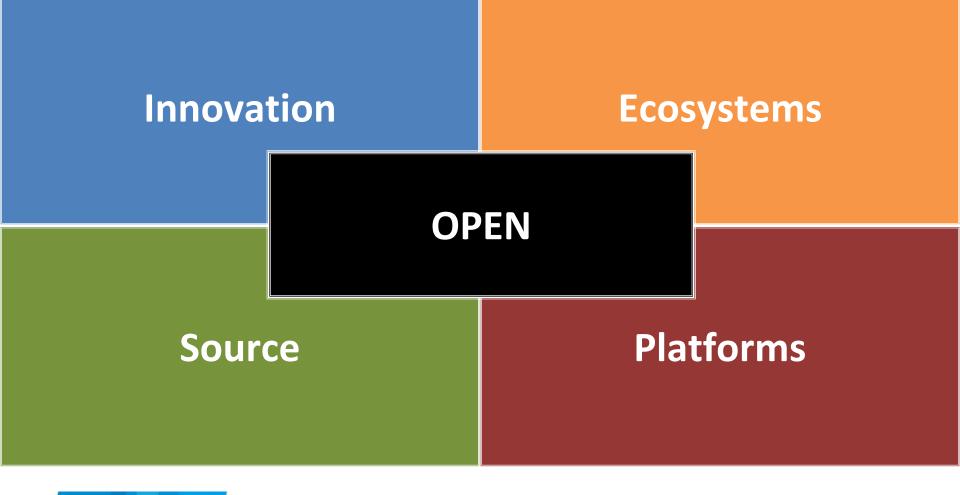
# Digital Environments Enabled by 5G

**Raine Hermans** 

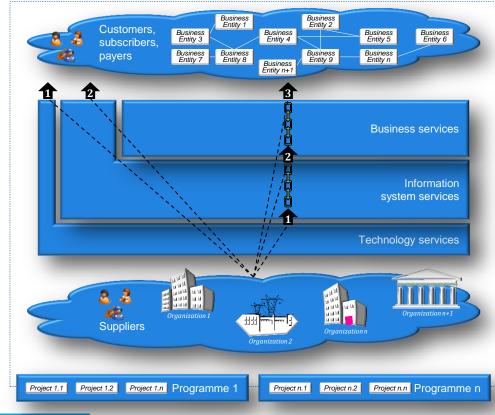
Director, Tekes Berlin 17.10.2016



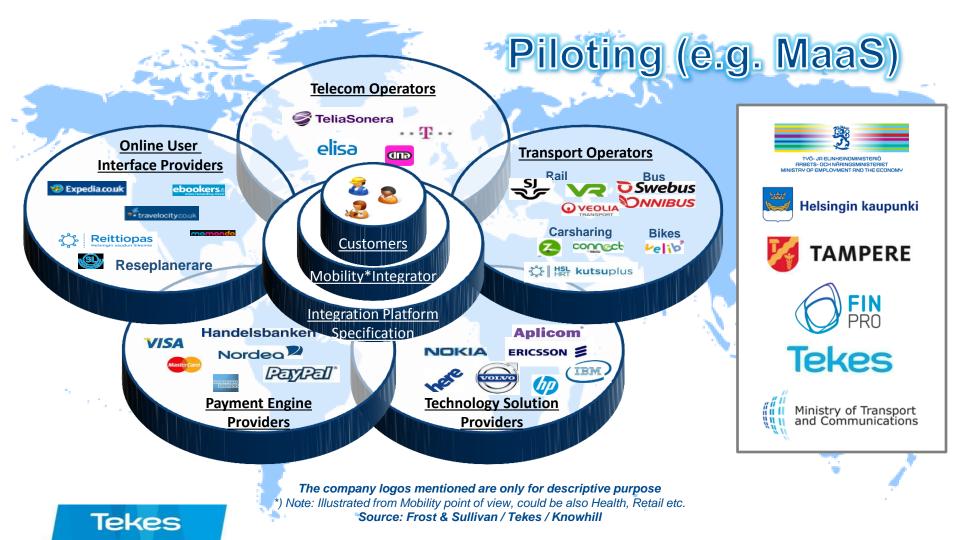




# Ecosystem Content – Platform-based innovation

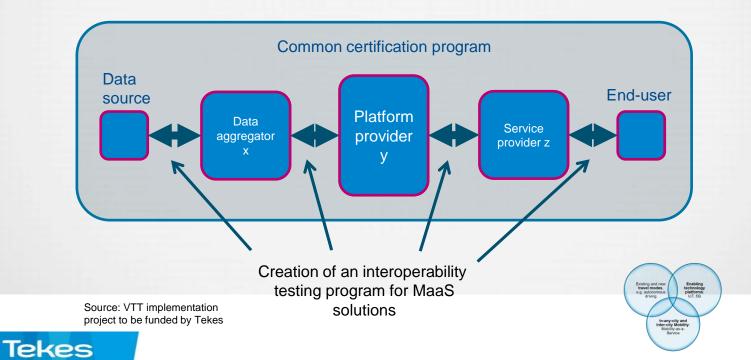


- Customers and their expectations as a starting point.
- Common understanding about values and concepts (i.e. speaking the same language)
  - Capability to handle interoperable concepts together.
  - Forms "Innovation platform" for new business models and services.
- ✓ Business model formulated by various organizations.
  - Value and service networks formulated by various organizations.
  - Value and service network related governance models.
  - Service driven leadership and management practices.
- ✓ Organization related activities (processes, development activities) and resources (personnel, information technology, other technology) behind services.
- ✓ Target-oriented programmes and projects
  - Targets and objectives based on customer requirements and organizational strategies.
  - In single programme/project the development scope should be seen in the right extent.



### 4. Scalability: MaaS-Alliance - Interoperability Certification with Ertico

The solutions need to be **scalable** to different user profiles and to the whole of Finland as well as to **international markets** 

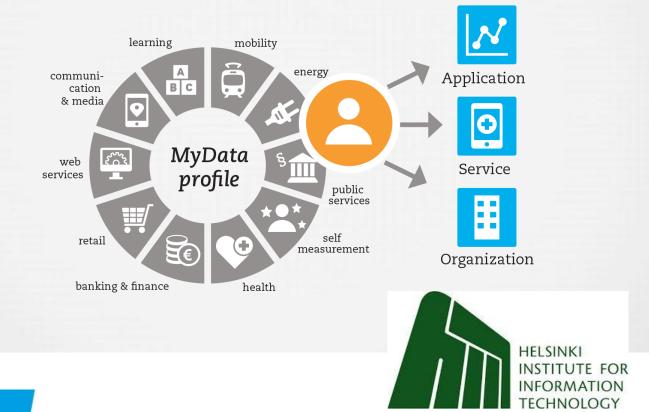


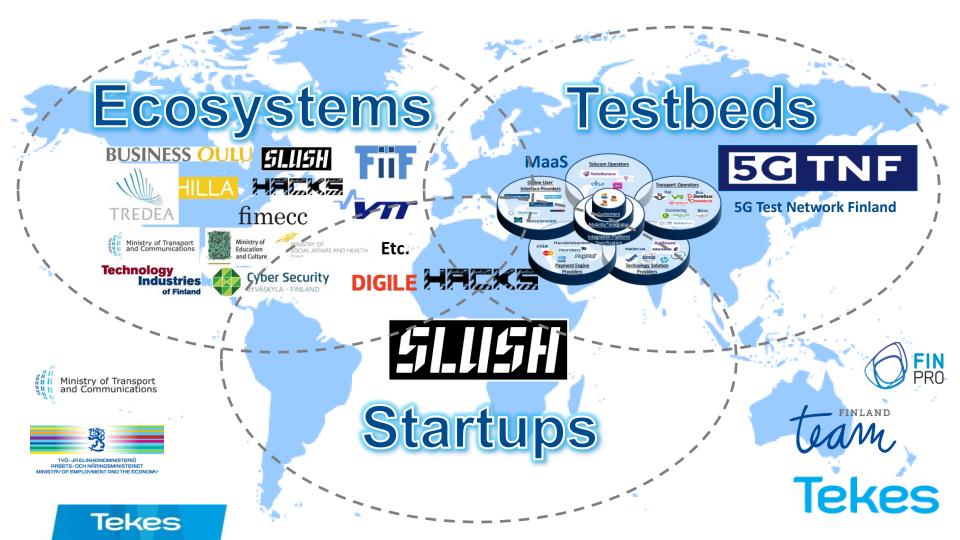
### **MyData Principles**

- Human Centric: right to data, individual in control, privacy
- Usability of Data and transparent relationship management: machine readable, open formats, APIs, standards,
- Open Business Environment: interoperability, possibility to change services without "data locks"

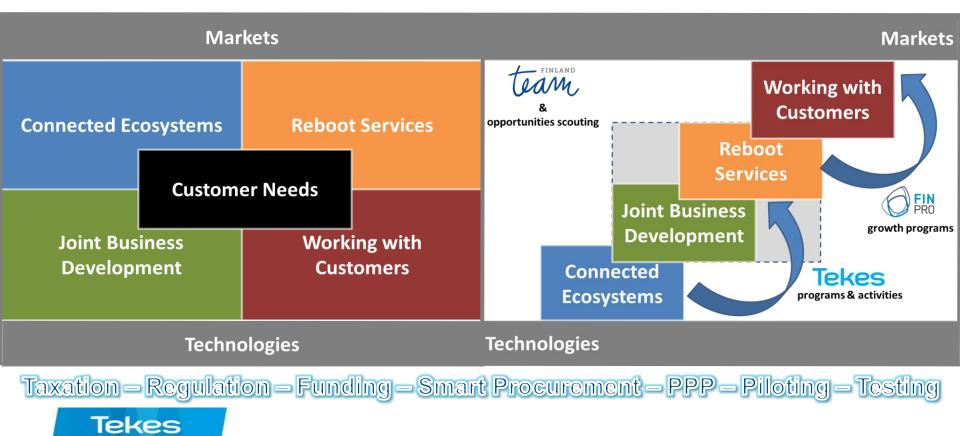


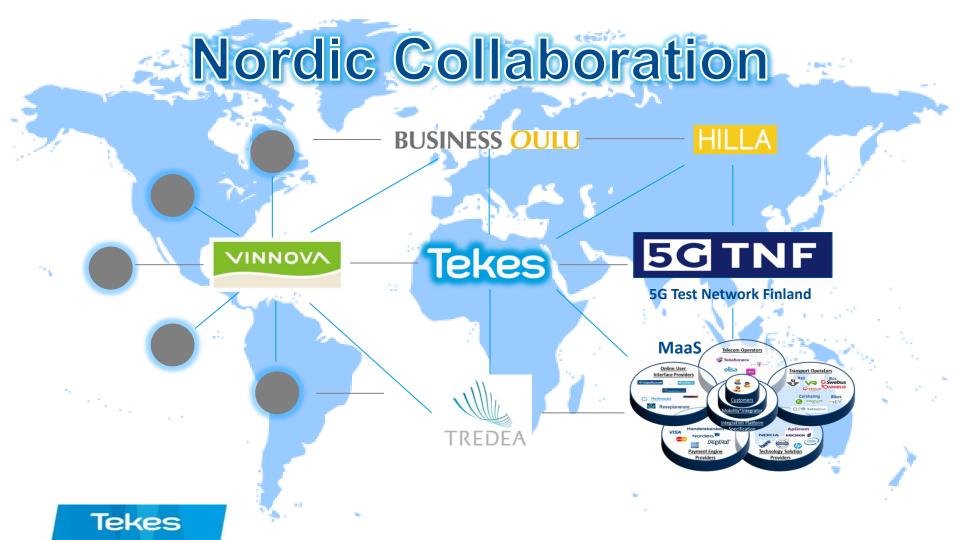
#### **MyData Principles**





### **Innovation Environment**





# 2. Integration of multiple transportation services over open interfaces – the role of cities is essential in open data

In the procurement of integrated transport service **cities** need to open data on public transportation services covering

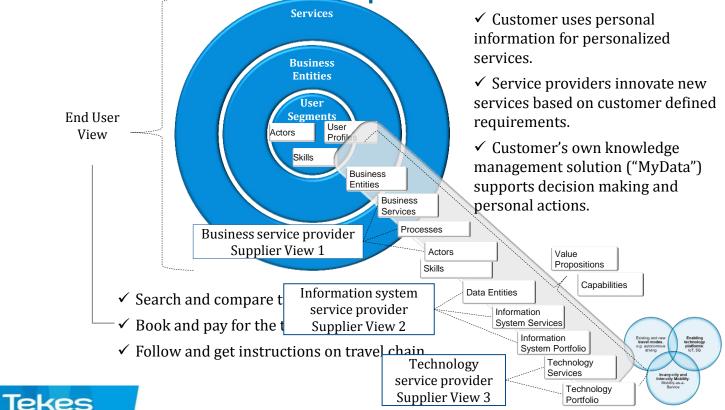
- ✓ different budgeting silos: e.g. elderly care, school rides, food logistics
- ✓ anonymized delayed point-to-point data.

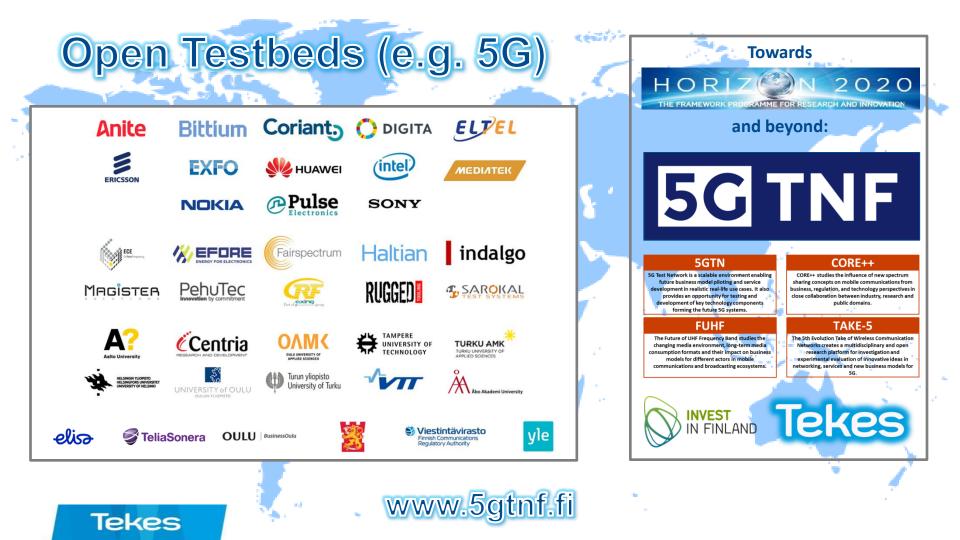
**Mobility operator** integrates several transport modes by utilizing open interfaces to transport service industry's and public transport authorities' (PTAs')

- ✓ schedules,
- ✓ location data, and
- ✓ payment systems.



# User need based design of the solutions – several levels of service providers are needed







http://www.industryhack.com/

The Finnish Funding Agency for Innovation



