



Smart Villages

Long term vision for rural areas

How-to build Smart Villages value chain: technical perspective

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ICT Innovation network (smart cities technical expert)

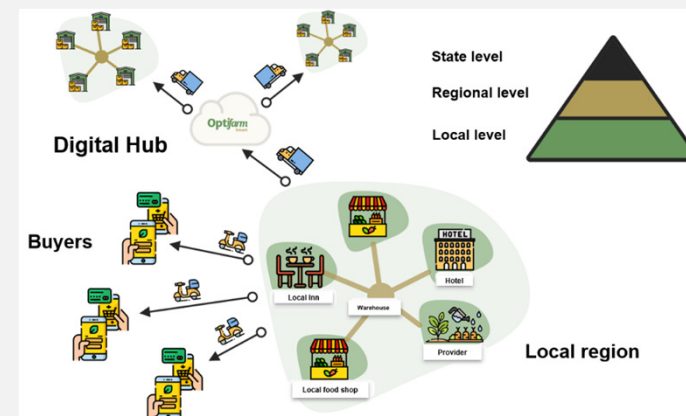
Endava (smart city technical consultant)

Optifarm (CEO)



Agenda

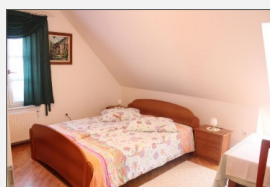
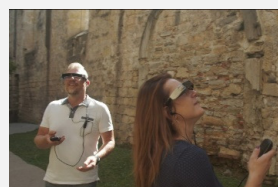
- Current tourist experience,
- Introduction of smart villages ecosystem concept,
- Technology behind smart villages value chain,
- Demonstration of smart villages value chain;





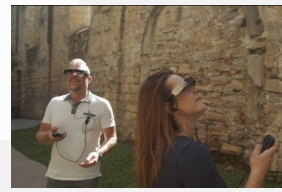
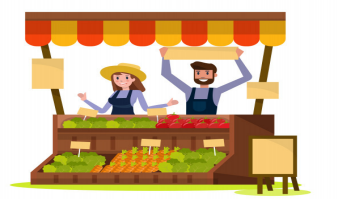
Current tourist experience

- Johann came to Slovenia with his family on a holiday
- They arrived with the airplane and would like to:
 - Have a **ride** from the airport to their accommodation,
 - Stay at a **local tourist farm** on country-side,
 - Enjoy **outdoor activities**: horse riding, cycling...,
 - **Visit** local cultural/heritage **sites**,
 - Enjoy **local cuisine** in local **restaurants**,
 - **Buy fresh** local **produce** and **products**;



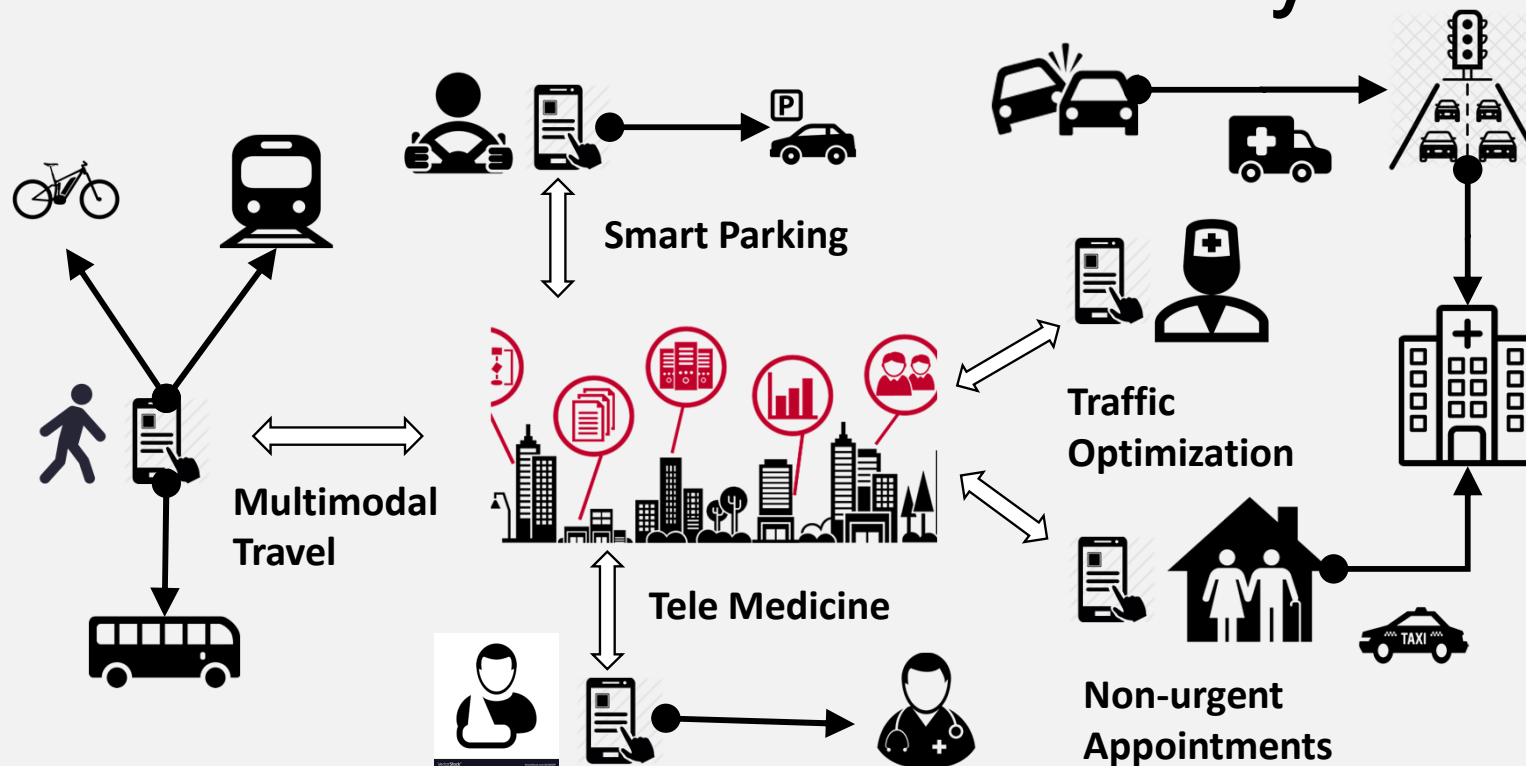


Reality meets Johann



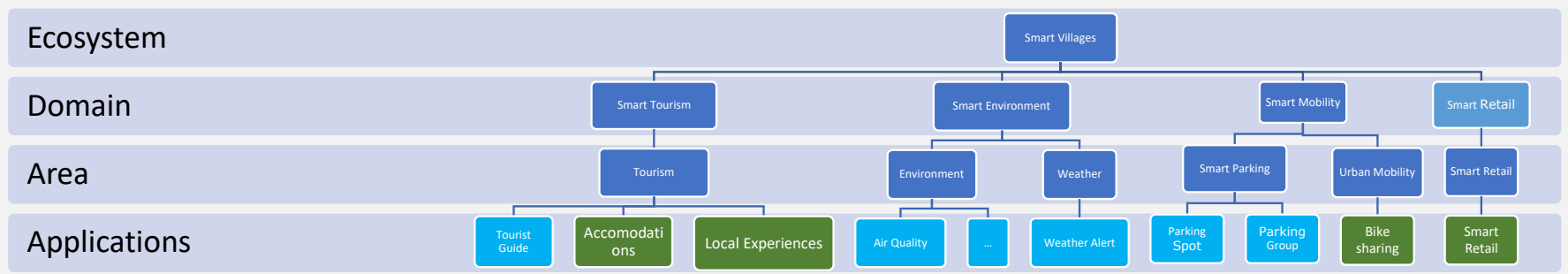


Smart cities/communities ecosystem





Smart villages local ecosystem





4th industrial revolution as an enabler

- IOT – Internet of things



- Block-chain



- AI – Artificial Intelligence



- 5G





ICT innovation network ref. architecture

Application layer



Interoperability layer

Platform layer



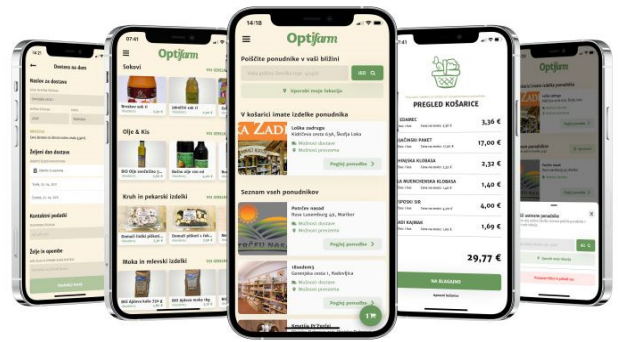
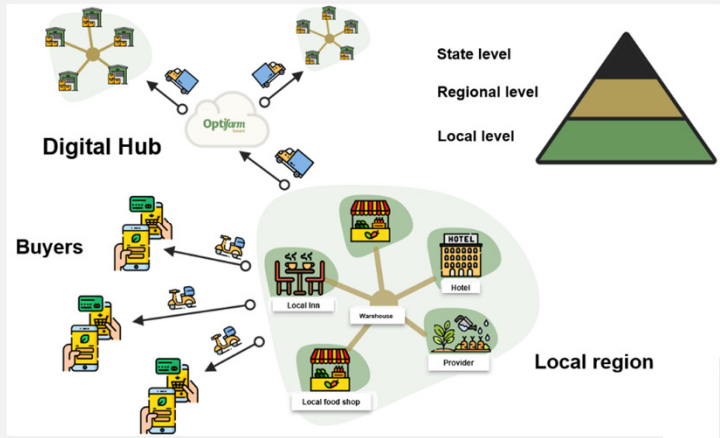
Interoperability layer

IOT layer





Building of smart villages value chain





Demonstration of smart villages value chain

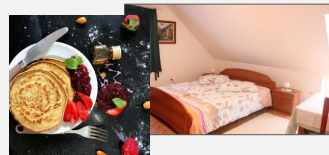


Destination based unique local experience

Activity
4 hour e-bike rental for 2+2 persons



Accommodation with local breakfast
for 2+2 persons



Culinary
Local ingredients lunch 2+2 persons inn Na Griču



Local Experience
Zice Carthusian monastery with virtual tour

