Integrated open European test field

Smart Urban Region Austria Alps Adriatic (SURAAA)

SURAAA
Smart Urban Region Austria Alps Adriatic

Digitalization touches all fields of life
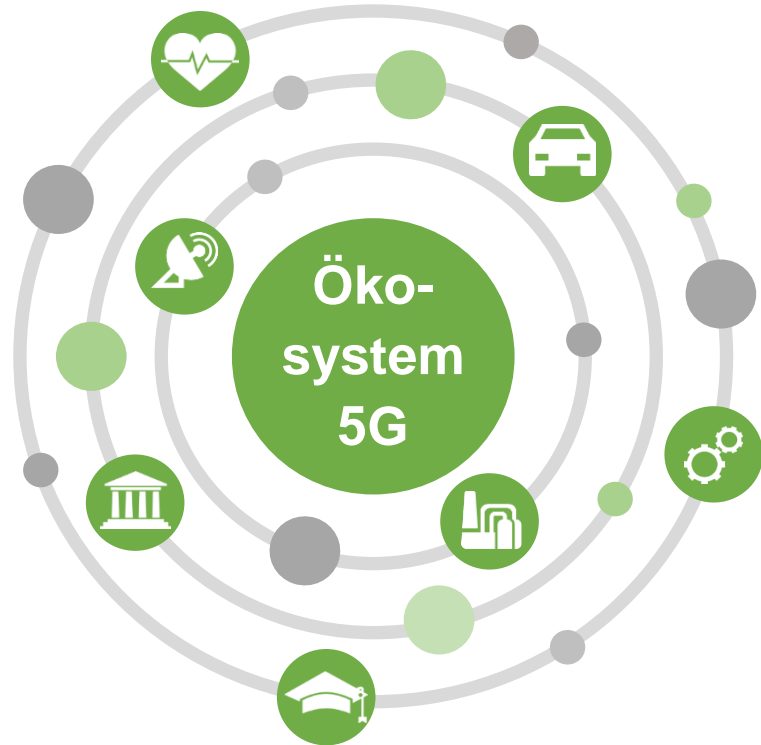
Quelle: Internet Offensive

Society 4.0: that means e.g. …

automotive, transport and logistics: autonomous driving, digitalization in transport and logistics

Media, entertainment: virtual/augmented reality, all in real-time

Industry 4.0 / Internet of things: time critical process management, automatization

Public services / Smart City: smart / intelligent society, administration, public safety

Education: distance learning, e-Learning, video conferences, virtual platforms

Energy: smart / intelligent metering, smart / intelligent grid, decentralization in production
…

Broadband and 5G is the backbone infrastructure. Countries, regions and communes will be up to 2020 massive under pressure.

All segments of life will be smarter

Wearables

Applications for every day use

Smart Parking

Optimization in traffic management

Smart Home Connectivity

Optimization in buildings

Smart Cities

increasing the quality of life in cities

Example Smart Cities:
- Smart City is the essential kore application for the **digital future**
- Development concepts, cities and regions will be greener, more efficient, technology orientated and with more social benefits by using digitalization

National government: Austria as 5G-pre runner

Program national government, January 2017:

- **Target: Digital applications and services in the fields of** E-Government, E-Health, Automated driving and Industry 4.0

- **Guidelines:** first tests done by the telekom segment should be started in 2018, in **2020 should 5G available in every regional capital city.**

- **Via: 5G Strategy** (Ministerrat in December 2017) and **TelekommunikationsG Novelle** (Ministerrat in June 2017)

→ **Vision model region Carinthia - integrated open European test field**

Phase 1 - Showcase End 2017

Target
- **Build a 5G-R&D-Test infrastructure**
- **Start with first project clustering**
- Develop and implementation of first applications

Project segments/cluster
- 5G, transport and mobility (persons, freights), Tourism, Living Lab/Startup-Lab and farming

1. Project: 5G-R&D-Test field
- Do day implementation of successful future 5G-applications: that means building a 5G-Test infrastructure and by using this infrastructure development, implementation and monitoring of new solutions and business models as like as new partner models (should lead in a technological ledge by 2 or 3 years)

5G Teststrecke 2017

Villach

Klagenfurt

Transport/Mobility

Target
- Optimization public and private **mobility**
- Development of new mobility concepts
- Development and linking of new **applications**

Project range
- Smart Parking
- Smart Lighting and Smart Street
- Autonomous driving (people and freight)
- Smart Traffic (Taxi, Car Sharing,...)
- Road safety solutions

1. Project: Showcase 5G tests track
- Test environment for autonomous driving in real time using the new telekom standard 5G
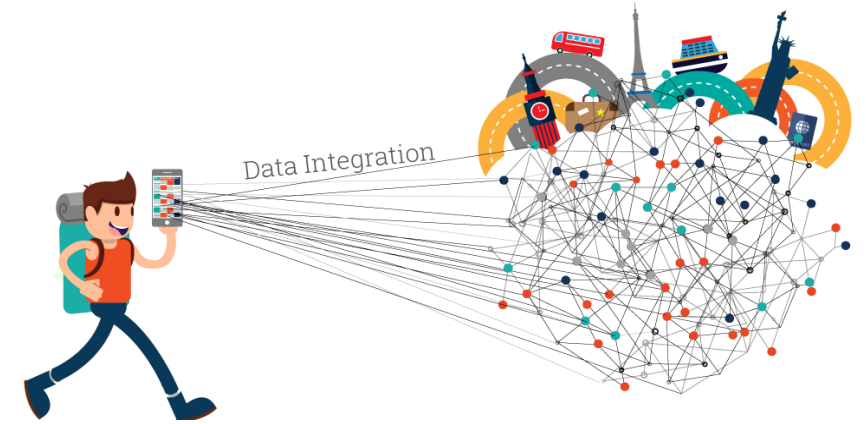
5G test track 2017

Tourism

target
- Development **smart tourism services**
- Development **new business model**
- Development **new application and linkages**

Project range
- Tourism application (public WLAN, info screens, ...)
- Smart City (smart parking, smart lighting, ...)

Data Integration

Living Lab

Target
- Development **Applications for 5G**
- Development **new business models and cooperations**
- Address **the start up scene**

Project range
- Implementation of test and R&D-environment in 5G

Open platform for development of digital applications, business and infrastructure models

Farming

Target
- Optimization agricultural workflows
- Reduction of environmental impact
- Development of applications

Project range
- Sensorik (environmental, humidity, fertilizer measuring), „Cow-Taging",
  crop spraying, drones and robotic

Thank you!