



Smarter North Moravia and Silesia Region



Jiří Matěj

October 2018



*Zavedli jsme systém řízení kvality
a systém environmentálního řízení a auditu*





Transport



DOPRAVA



Smart parking

Smart parking and navigation systems



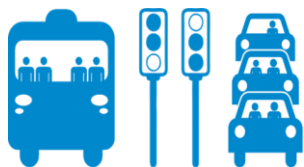
Monitoring and evaluation of traffic flows

Effective data collection and evaluation.



Support for green transport

Electrical infrastructure and hydrogen filling stations



Intelligent systems and traffic management

Navigation and information systems, open data.

The diagram illustrates the Smart City Data Center architecture. At the center are the **Analytical Center** and **Data Center**. Data flows from various sources into the Data Center, including **KODIS**, **SS MSK**, **NDIC**, **Města**, **MSKfreeWIFI**, and **Camera systems**. The Analytical Center then processes this data to provide services such as **Line optimization**, **Individual transport**, **Static traffic**, and **Traffic flows**. The Analytical Center also interacts with **DISPEČINK** (Dispatching) and a **Phone** icon, which likely represents emergency services or public information. The Data Center also feeds into the **DISPEČINK** system.



ICT Infrastructure



ICT INFRASTRUCTURE



Data and analytics center

Modeling, simulations and data analytisc.



High-Speed Private Data Network

Wide Area Network, private MPLS network, private cloud



Free Wi-Fi

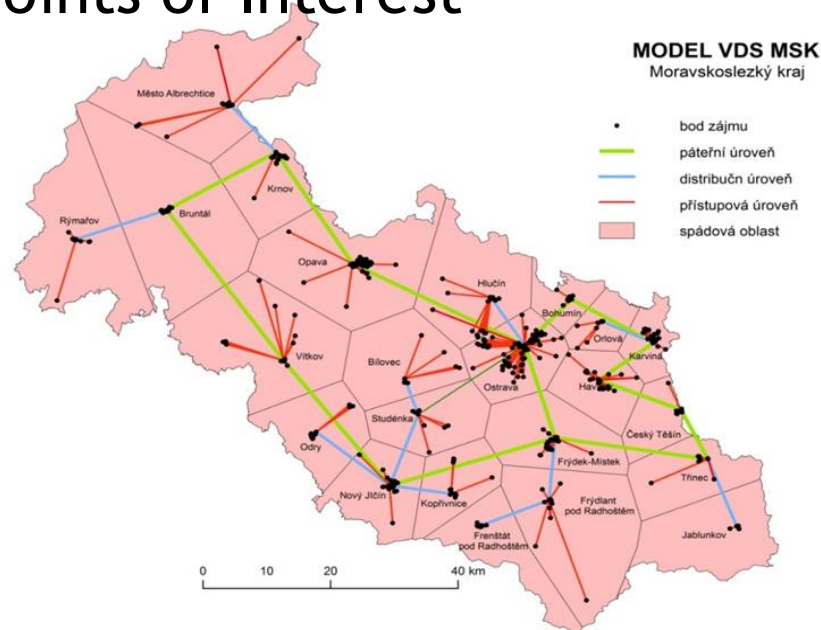
Hotspots with free internet access.



Internet Of Thinks and Open data

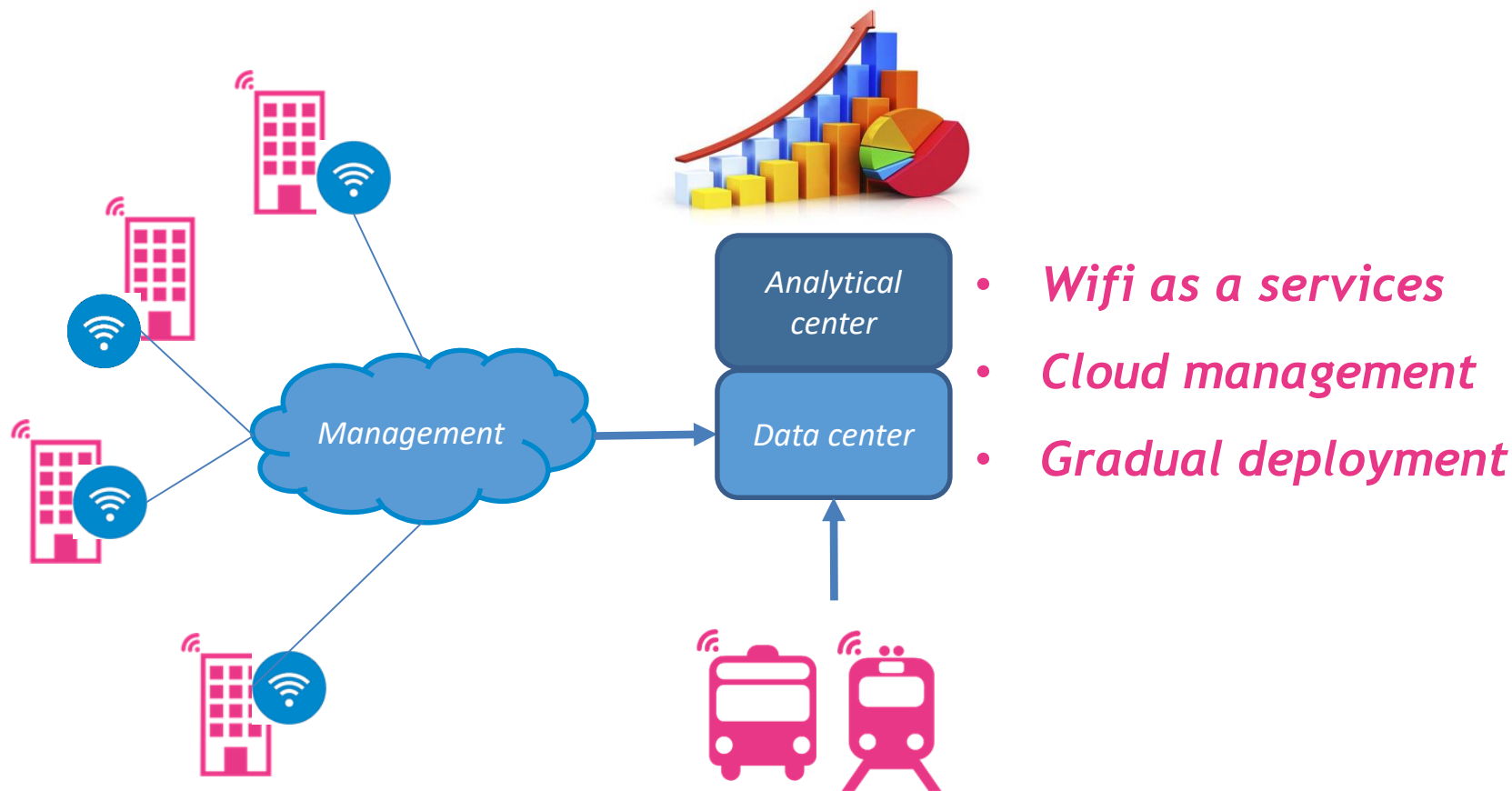
LoRa network

- 40 Gbps planned speed
- 2 Rings for backbone network
- 447 Points of Interest





MSKfreeWIFI







ÚSPORY



Energy management of buildings
Sensory networks and information models.



Sensory air measurement
Measurement of pollutant concentrations.



Waste recycling
Portal and applications for waste management.



Environmental education
Research projects in schools.





Healthcare





ZDRAVOTNICTVÍ



Process electronization

Information systems and electronic documentation.



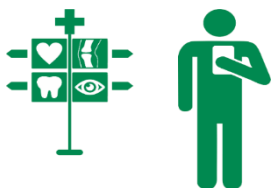
Ordering and reservation systems

Including electronic communications.



Telemedicine

Systems and services for remote communication.



Navigation systems

Mobile apps including a database of responders.





e-Government





DEBYROKRATIZACE



E-Government



Efficient management of organizations



Secure databases



Information Portal for Citizens







EFFICIENT MANAGEMENT OF REGIONAL ORGANIZATIONS

- *Shared information systems*
- *Integration of systems*
- *Central data backup and security system*
- *Shopping portal*
- *IT standardization*





akcelerační program na podporu inovativních nápadů a projektů

chytrá myšlenka

září-listopad 2018 | přihlášky do 22.6.



**Máte chytré řešení, které je společensky přínosné
a může se uskutečnit v Moravskoslezském kraji?**

Dáme vám příležitost rozpracovat jej,
vyrůst a zviditelnit se.

program for acceleration and support
innovative ideas and projects

smart idea

Do you have a clever solution that is
socially beneficial and can be realized
in the Moravia and Silesia region?



Moravskoslezský
kraj





Děkuji za pozornost.

