Governing Data in Smart Cities
A Telco's Perspective

Andreas Bentz | Barcelona | 15/11/2017

LIFE IS FOR SHARING.

DATA SECURITY

How to exchange data safely and reliable and how to deal with potentially unreliable data?

Smart Cities have to cover several smart domains
All require reliable communication

NB IoT is real
it addresses a lot of topics smart cities need

BILLIONS OF DEVICES

DEEP INDOOR PENETRATION

LOW ENERGY CONSUMPTION

LOW COST

HIGH SECURITY

E2E seamless connectivity

cellular – fixed – WiFi

High DATA VOLUMES

HD

HQ

LoW Latency

5G at the door steps
a nervous system for smart cities

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individual networks on a shared infrastructure
Network Slicing secures Smart Cities

> Security is not a feature, security is a process.

Bruce Schneier, Cryptography– and IT-Security Expert

> If you spend more money on Coffee than on IT-Security, you will be hacked. Even more – you deserve it to be hacked.

Richard Clark, former advisor of the US President for Terrorism and Cybersecurity

Deutsche Telekom successfully defends their infrastructure against **1.400.000 external attacks per day.**
Smart Cities will face similar challenges if they want to operate own network infrastructure

SMART CITY DATA

Data is NOT the currency of Smart Cities, it is semantics!

Descriptive Analytics
What happened?

Diagnostic Analytics
Why did it happen?

Predictive Analytics
What will happen?

Prescriptive Analytics
How can we make it happen?

DATA SOVEREIGNTY

What does sovereignty mean in times of open data. Where do I process and keep my data and how can I as a city can keep track of my data?

The 19th century was a century of empires.

The 20th century was a century of states.

The 21th century will be a century of Cities.

Wellington E. Webb, former Mayor of the City of Denver

But are they ready for the cloud?

Fight the jungle
..or Rather manage it

Keep Track of Your data with blockchain the Distributed Ledger

Thank you

We turn your vision
of Smart City
into reality

Interested?
visit us at Booth A127

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