ICT Innovation network

zit Association of Informatics and Telecommunication

Mestna občina Ljubljana

Skupnost občin Slovenije
Association of Municipalities and Towns of Slovenia

DIGITALNO INOVACIJSKO STIČIŠČE SLOVENIJE

REPUBLIKA SLOVENIJA
MINISTRSTVO ZA GOSPODARSKI RAZVOJ IN TEHNOLOGIJO

EUROPEAN UNION
EUROPEAN REGIONAL DEVELOPMENT FUND

Naložbo sofinancirata Republika Slovenija in Evropska unija iz Evropskega sklada za regionalni razvoj.

ASOCIATIA ROMANA PENTRU SMART CITY

ADeSE

ONLINE EVENT

# 2ND Southeast Europe Smart Society Conference

# Interoperable data makes cities smart

**Boris KOPRIVNIKAR**
Sincular consulting, CEO

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# Digitalization

# data management

# of development

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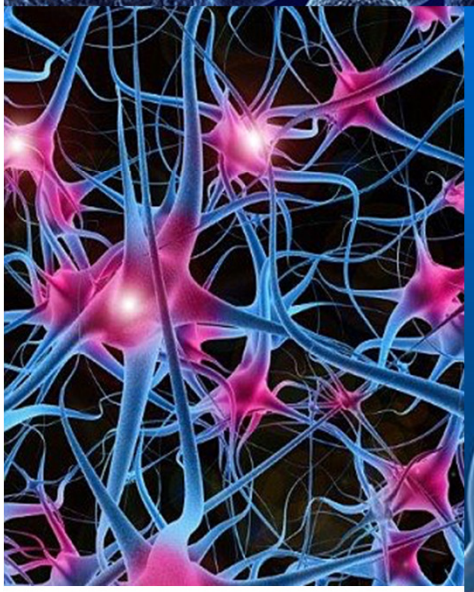

Connected ecosystem of People, Organizations, Technologies, Knowledge, Disciplines, Skills, ...

# General principles, areas and technologies

Home

Village

City

Country

Region

World

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# Ecosystem of cooperation and technologies

## Digital coalition

- Industry
- Science, Academia, R&D
- Education
- Civil society
- Government

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# Start with why

## ... Stop for why

**Quality of lives**
**(happiness, satisfaction)**

**Decision grounds to manage complexity**
in 3D unpredictable world

**Productivity**
**(business and personal)**

**Sustainable society**
(sustainable person, home, city, country, region, world)

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# Smart community areas and key principles

## (how to manage digital complexity)

CYBER SECURITY

ORGANIZATION (Driver)

PROCESSES (Path)

DATA (Fuel)

TECHNOLOGY (Wehicle)

TRUST

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- Divide data from applications, own the data
- Open, share, use and reuse the data
- Open, share, use and reuse the platforms
- Use building blocks
- Centralized decision making and coordination
- Tender problems, functions and services
- Bold vision, parallel small steps implementation
- Design thinking approach

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# Recreational exploring

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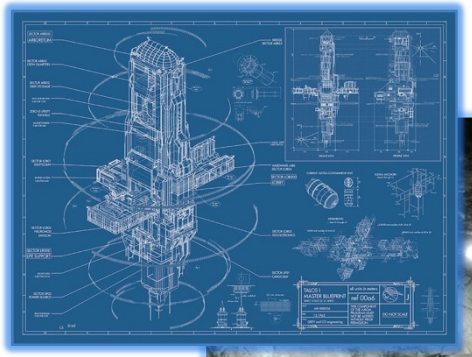
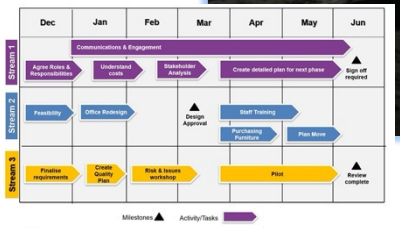
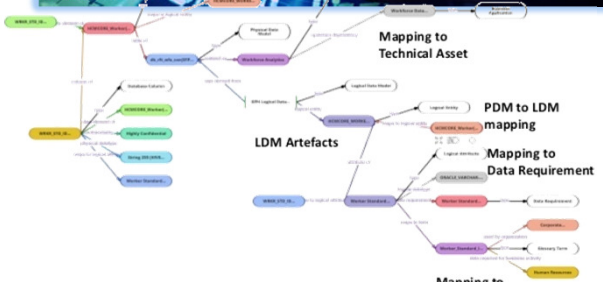
# Commercial exploitation





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# Don‘t lock the Data – Look the Data

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Cyber Security

Risk assesment, Monitoring – Prevention, Reaction

# Risk assessment, monitoring – prediction

## Smarter decision making, better use of resources

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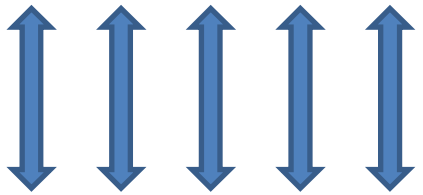
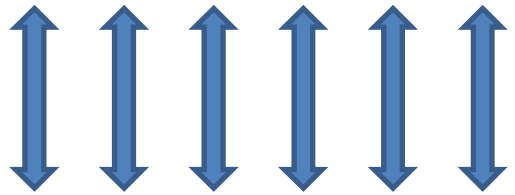
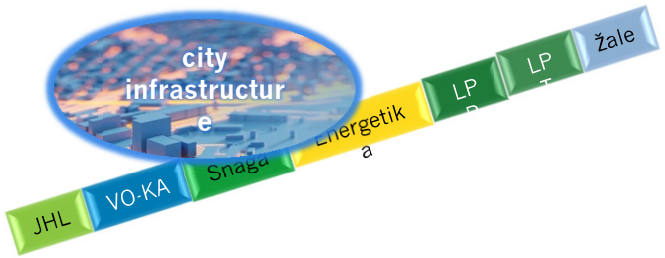
# Not connected







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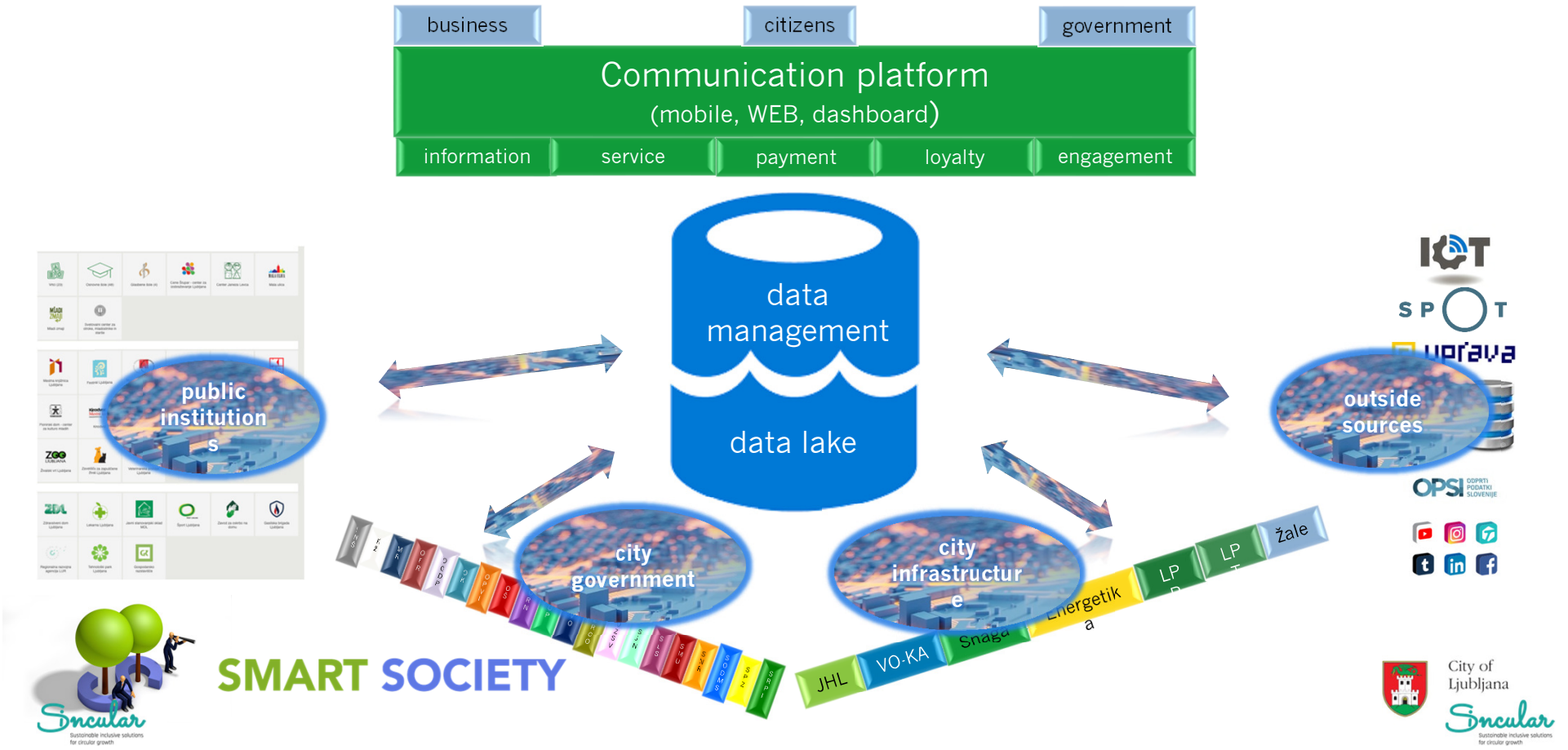
# Smart is connected



# City Areas / Functionalities

| | | | | | |
|---|---|---|---|---|---|
| document system | office programs | City Card, ID and payment system | public lighting | culture | governmental services and information |
| financial system | access controls | data lake | traffic signalization | tourism | local communities' associations |
| HRM | web, mobile presentations | communication platform (web, mobile) | water supply and sewerage | health and social care | economic associations |
| fixed assets | legal affairs | reservation system, access controls | gas | education | intervention and security services |
| real-estate management | project and investment management | on-line shop | waste management | environment and animals | public services and regulators |
| spatial management | support for the work of the authorities | alarming and notifying | roads, parking | sports and recreation | open data |
| administrative procedures | municipal policing and inspections | loyalty system | city public transportation | inter-city public transportation | SMART SOCIETY |
| budget planning and monitoring | security | Call center | housing and business premises | mobility of goods and people | R&D |
| public procurement | PR | BI, AI | care of the dead | energy supply | (electro) mobility and multimodality |

# Digital cooperation SE Europe benefits

- Faster (collaborative) development
- Regional single market, EU single market
- Better use of resources
- Reducing ‘brain drain’
- Compatible systems, services
- Interesting for industry leaders
- Bigger projects, direct financing
- Bigger influence on policies and standards

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Satisfaction, Productivity, Sustainability

We share organization, community

We share infrastructure

Standards enable connectivity

We share processes

Smart is connected

We share data

Data fueled

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