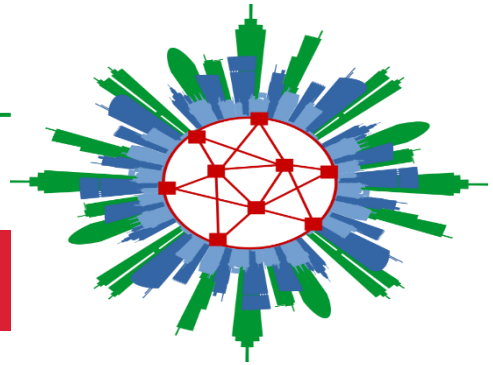
CARL VON OSSIETZKY universität OLDENBURG

SuMoCoS

Sustainability and Mobility in the Context of Smart Cities



Envisioning smart cities & regions some examples from Europe

Dr. Peyman Khodabakhsh

p.khodabakhsh@atenekom.eu

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Agency for Communication, Organisation and Management

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24.09.2019
Ulaanbaatar

Envisioning smart cities & regions some examples from Europe

Dr. Peyman Khodabakhsh, Project Manager

atene KOM in brief

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atene KOM GmbH | Agency for Communication, Organisation and Management

- Consulting and project development; approx. 260 employees
- Headquarter located in Berlin, further sites in
  - Bonn, Leipzig, Osterholz-Scharmbeck, Munich, Schwerin, Stuttgart, Wiesbaden
  - Brussels, Kiev
- Business portfolio: technology and subsidy consulting, project management, organizational development, studies and evaluations
- Core competencies: broadband and digitalization, energy and resource efficiency, mobility and smart regions, education and digital media
- Public institutions and municipal companies

What does a smart city look like?

?

What does a smart city look like?

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in the Context of Smart Cities

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What does a smart city look like?

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What does a smart city look like?

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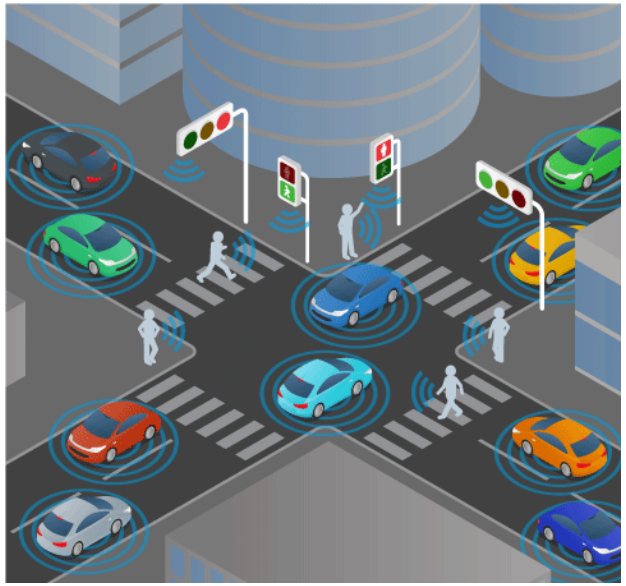
What does a smart city look like?



Smart City

A common understanding!

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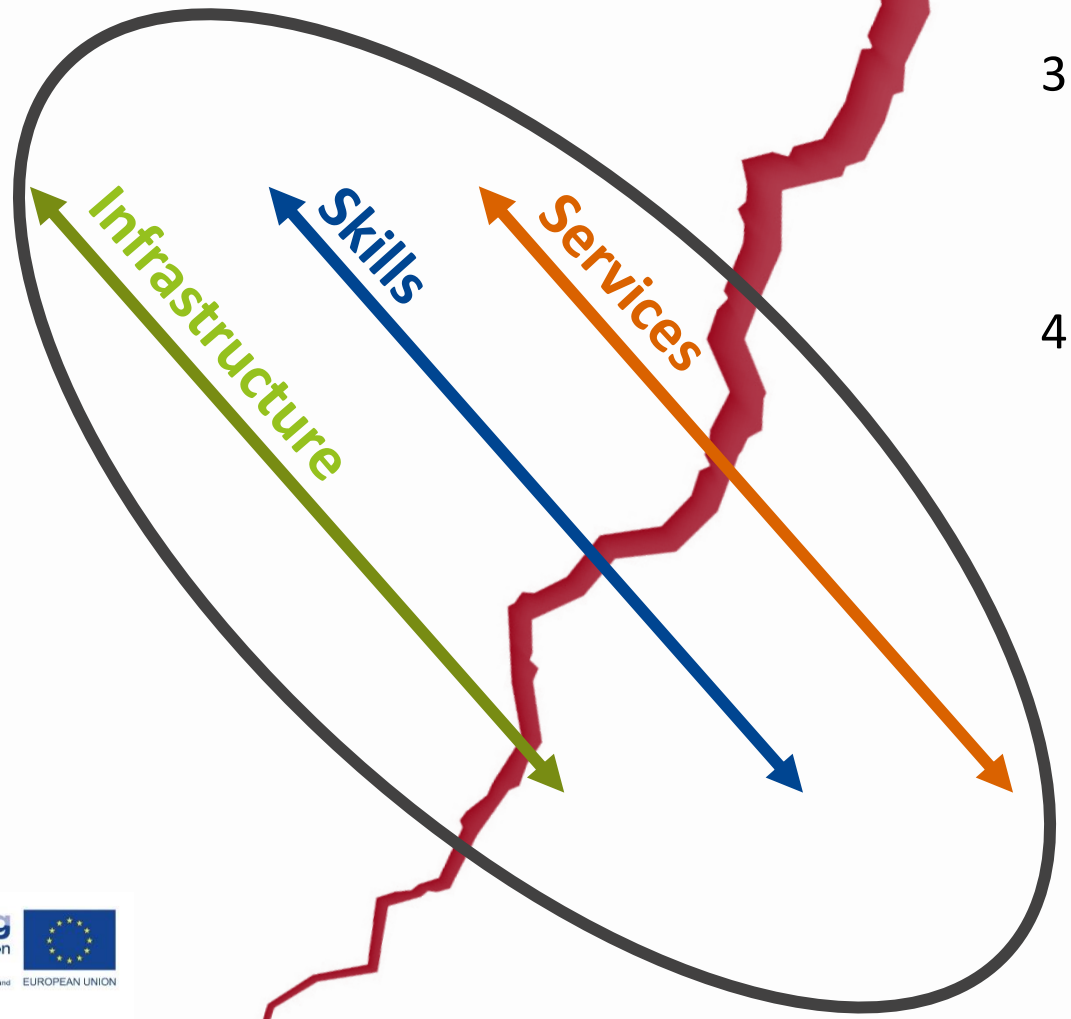
SMART CITY

I. ICT Incorporate

II. Improving the quality and performance of urban services, living and working

III. Optimizing resource consumption

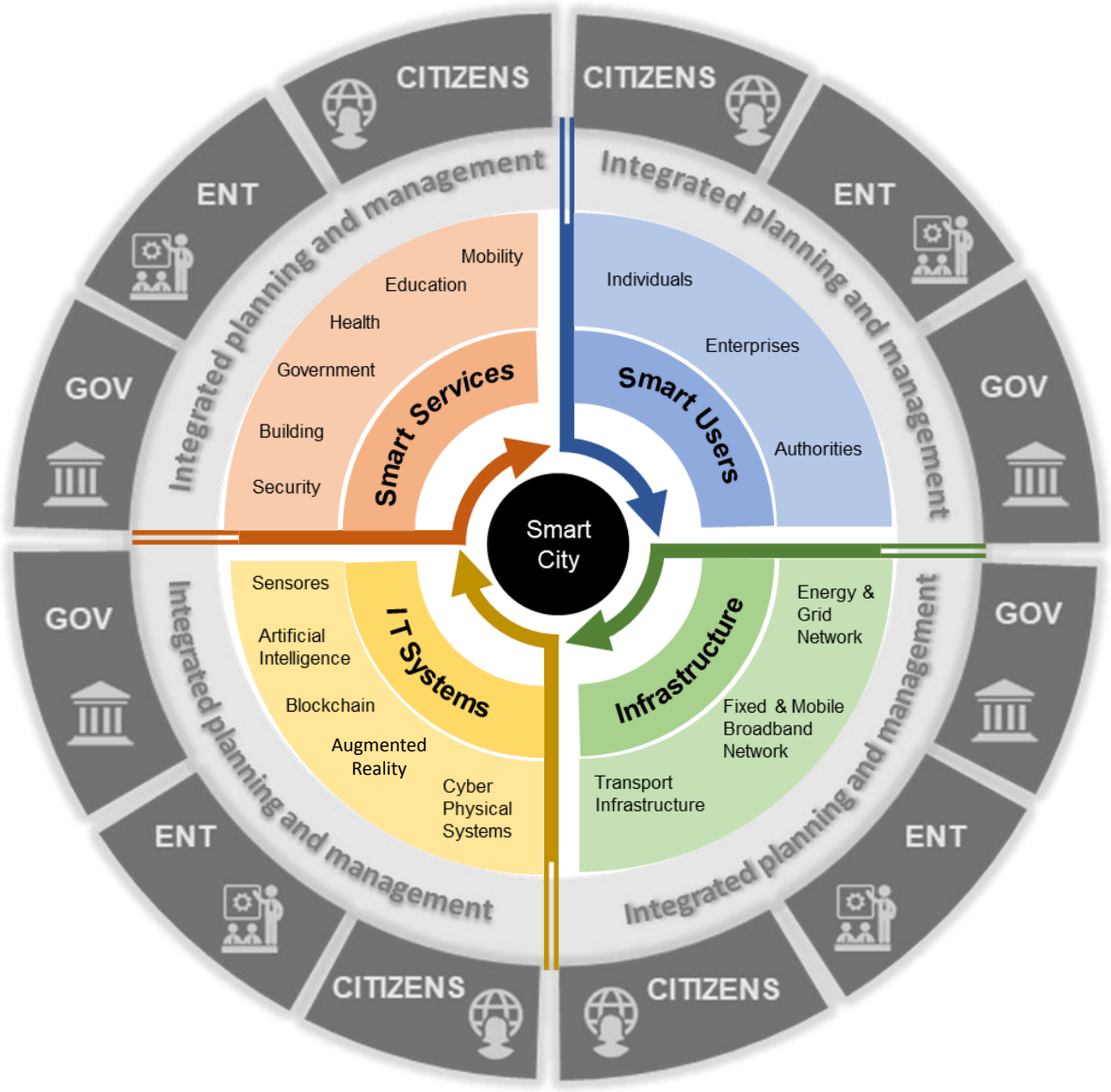
SMART



1. Lack of superfast **digital infrastructure**
2. Infrastructure is there, but **Skills are lacking**
3. Digital services are missing in several spheres of life **Users of e-services**
4. Lack of **integrated management**

NOT smart

A common understanding!



A. Smart Infrastructure

B. Smart devices and smart use of data

C. Smart services

D. Smart users and communities

E. Integrated planning and management

A. Future-proof infrastructure

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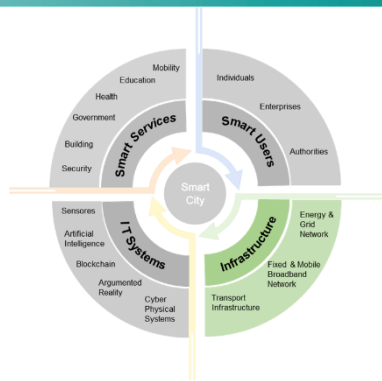

CORA
CONNECTING REMOTE AREAS

Interreg North Sea Region
CORA
European Regional Development Fund

EUROPEAN UNION

A. Future-proof infrastructure

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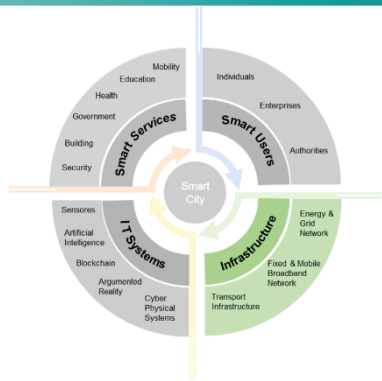
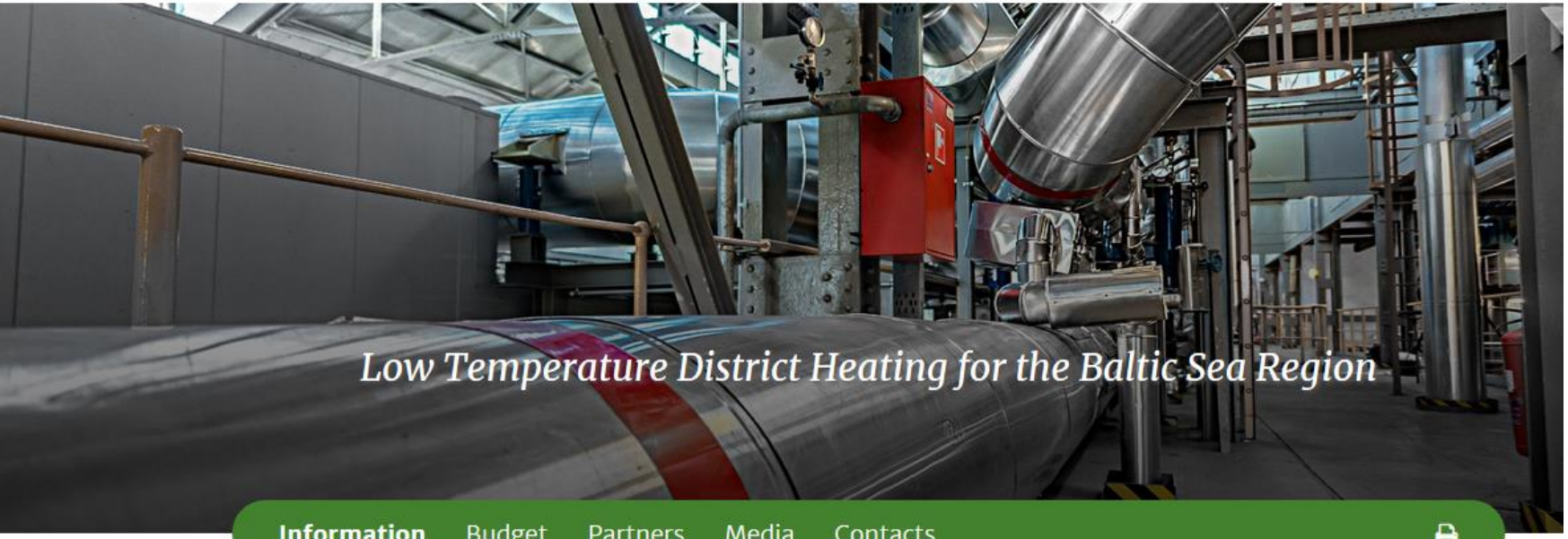


Interreg Baltic Sea Region

EUROPEAN REGIONAL DEVELOPMENT FUND
EUROPEAN UNION

PROJECTS SEARCH PROGRAMME LIST OF B



Information Budget Partners Media Contacts

2. Natural resources
2.3 Energy efficiency

LOWTEMP

Go to project website

October 2017 – September 2020

- Smart grids
- New energy systems
- Maximizing the efficiency

B. Smart devices and data

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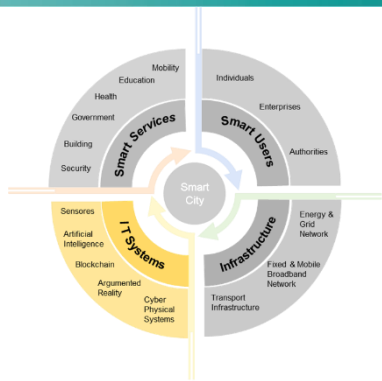
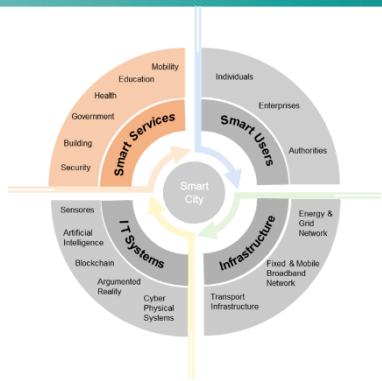


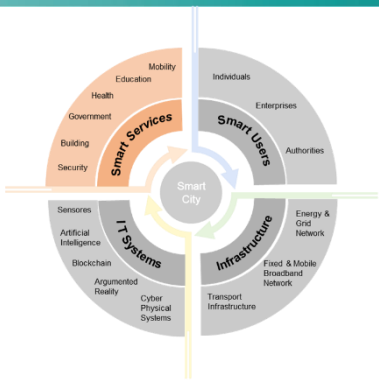
- Which smart device?
- How to connect devices?
- How to gather data?
- How to analyse and use data?

B. Smart devices and data



- Smart urban facilities and furniture
- Internet of Things
- Connected devices

C. Smart services



STEDT
DONNERSTAG, 15. NOVEMBER 2018

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Unter anderem zur Finanzierung von Informationsstellen mit Touch-Screens fließen über das Cora-Projekt 144 500 Euro Fördergeld ins Amt Hüttener Berge. Andreas Betz informierte die Cora-Partner Wouter Degadt (links) und Peyman Khodabakhsh über den Stand der Dinge. FOTO: RAINER KRÜGER

Treffen der Digitalisierungsvorreiter

Internationale Partner im Cora-Förderprogramm zu Gast im Amt Hüttener Berge

'The toolbox applied by public authorities in Hamburg, Aarhus, Gdansk, Tartu and Riga

- E- services
- Inclusion of end users
- Ease of use
- Integrated systems

D. Smart users and communities

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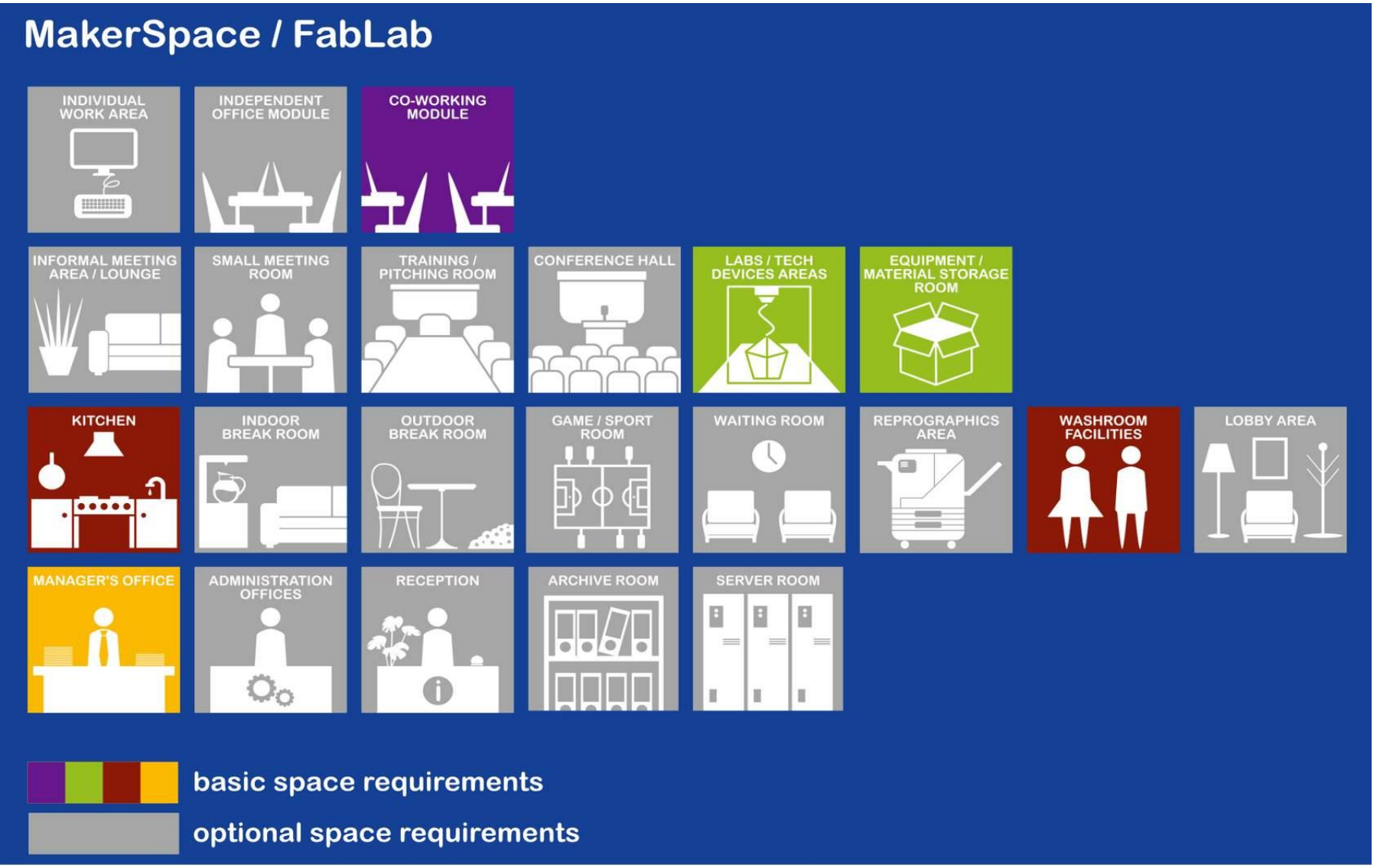

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- Smart City physical platforms
- Training, coaching and advise

D. Smart users and communities

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Interreg North Sea Region COM³ European Regional Development Fund

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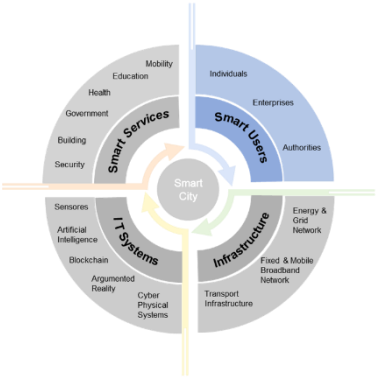

COM 3

COM³ – Buidling COMpetencies for COMpetitive COMpanies

- Being flexible
- Avoiding exclusion
- Effective solutions

Some key messages

SMART / SMARTER?

Creating a smart city has neither a single outcome nor a linear destination. It is an ongoing process and cities can become smarter and smarter…

Integrated development

Technologies are there, the art is to effectively use the technologies and create innovation platform for an integrated development in cities…

Future proof technologies

Superfast connectivity is the basis for smart city solutions. Investment in future proof infrastructure is a key to success!

Skills and participation

- Citizens as users
- Authorities as service provider
- Enterprises as technology developers

Further Information …

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https://coraproject.eu/training/

Any Other Questions?

Please contact us:

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A common understanding!

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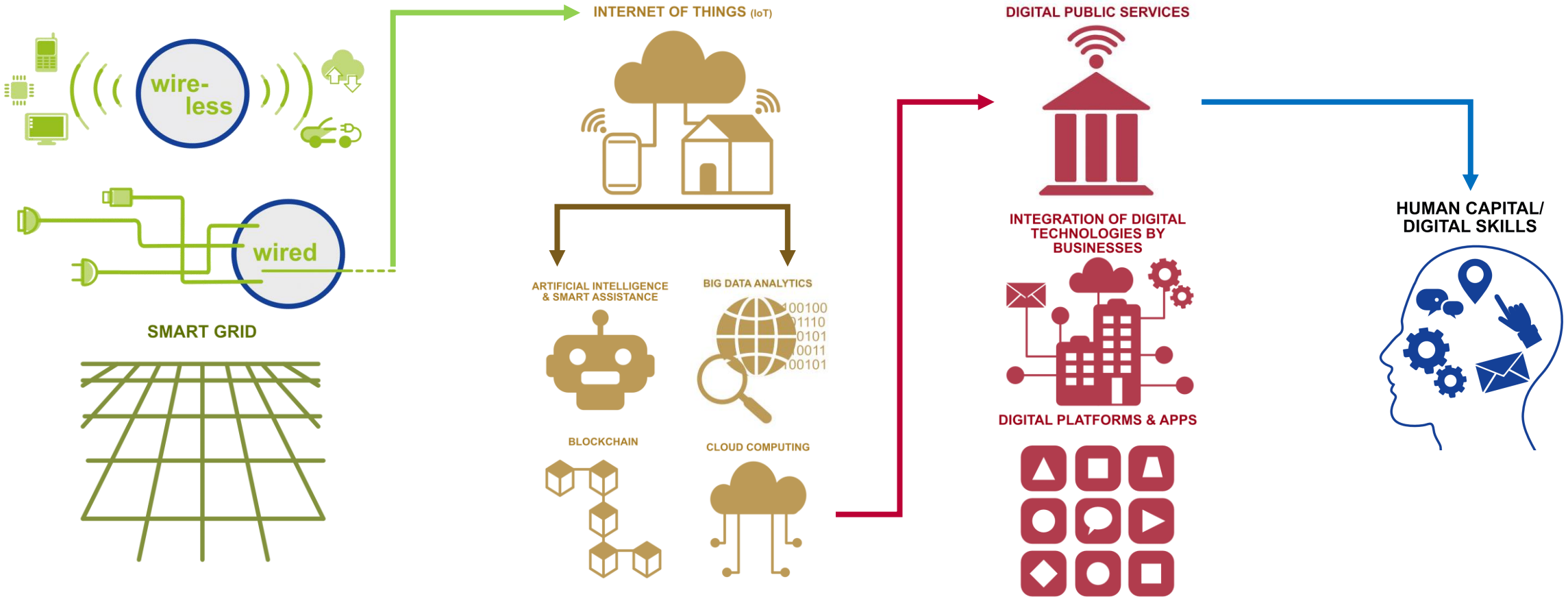
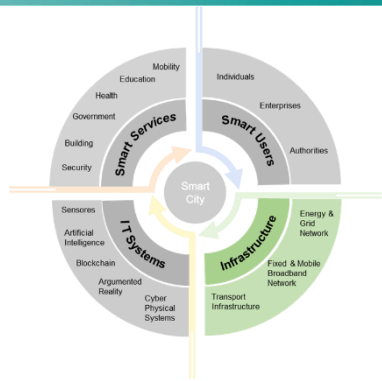


A. Future-proof infrastructure



- Choice of technology
- Choice of deployment method
- Choice of business models, funding and financing tools