



Prof. Dr. Nathalie Crutzen
Director

HEC Liège – University of Liege (Belgium)

Context



Demographic challenges

worldwide population growth and urbanization (more than 70% in 2050)



Societal challenges

climate change, social/energy/food/health/poverty challenges, etc



Increasing competition

between regions, metropolises, cities



Technological revolution

(digital revolution in particular)

Context

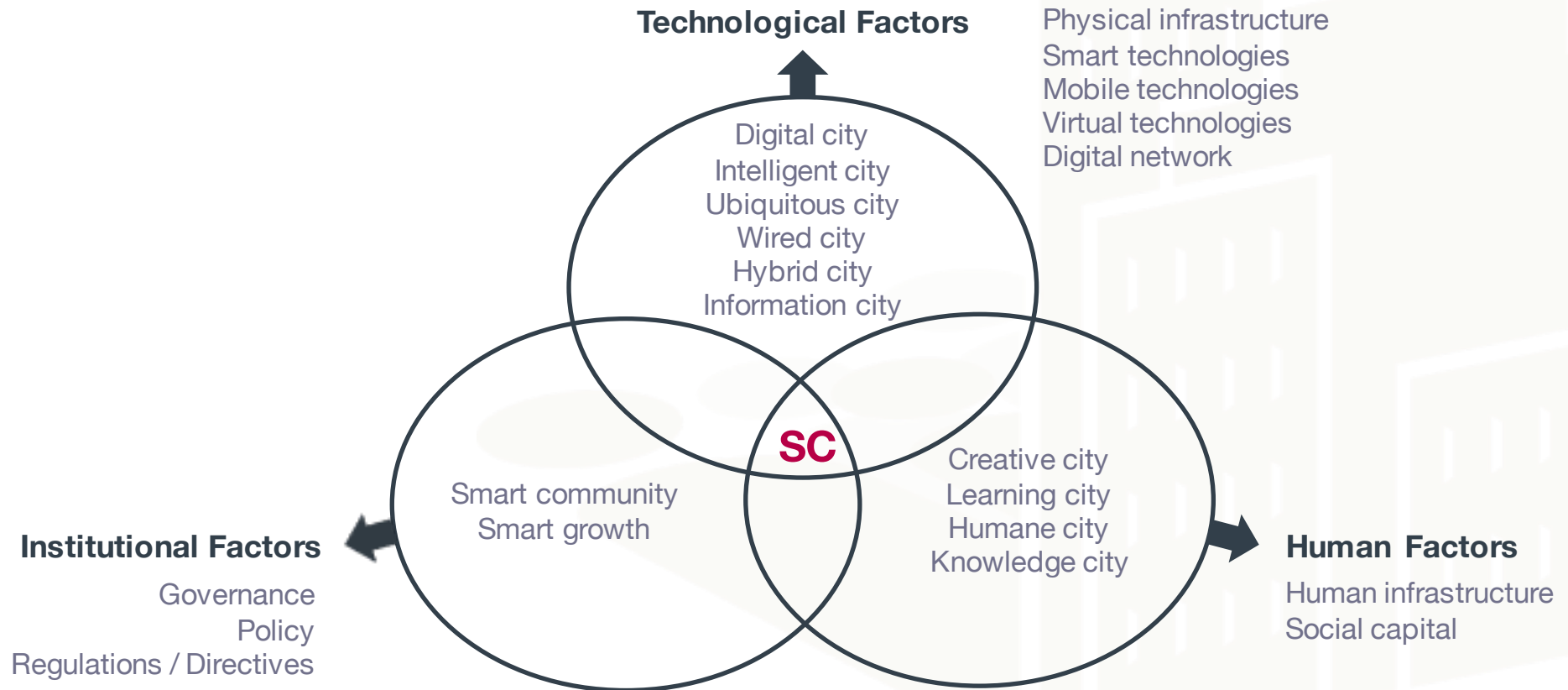


The ultimate goal...

**Ensure the performance of these
territories/ecosystems and their sustainability**



The « Universe » of smart cities



Source : Nam and Pardo (2011)

Smart City : **A broad definition**

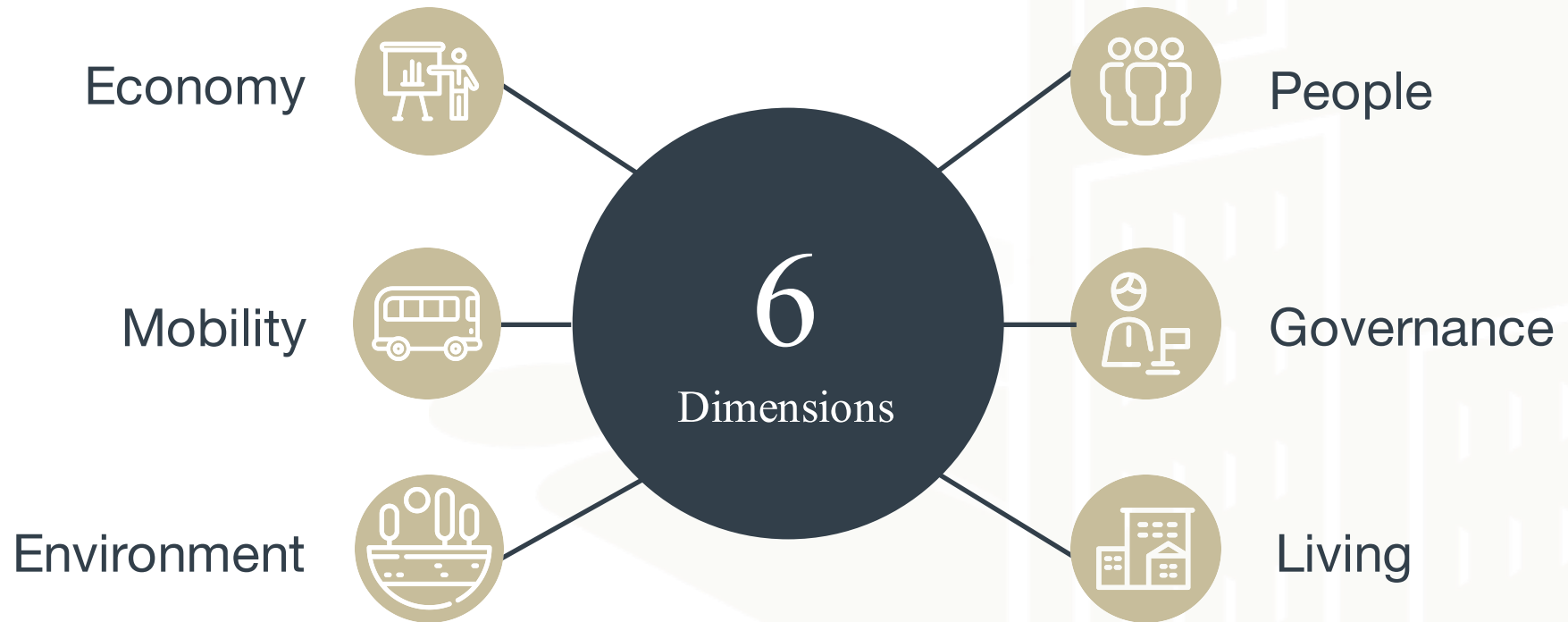
A “smart city” is a **multi-stakeholders’ ecosystem** (composed with local governments, citizens’ associations, multinational and local businesses, universities, international institutions...)

Engaged in a **sustainability strategy/transition**
(mobility, environment, economy, people, governance & living)

Using **technologies** (ICT mainly) as **enabler**

In order to become **more sustainable** (economic prosperity, social well-being & conservation of our natural resources)

Smart City : 6 key dimensions



SMART CITY BAROMETER



BELGIUM

66% OF BELGIAN MUNICIPALITIES

FEEL CONCERNED BY THE CONCEPT
OF SMART CITY

SMART CITY BAROMETER

REGIONS



FLANDERS

YES **84%**
NO 16%



BRUSSELS

YES **88%**
NO 13%



WALLONIA

YES 45%
NO **55%**

SMART CITY BAROMETER

DEFINITIONS

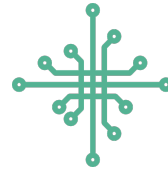


BELGIUM



2

Opportunities
For cities



1

Technological
Challenge



3

Future of cities
and towns

SMART CITY BAROMETER

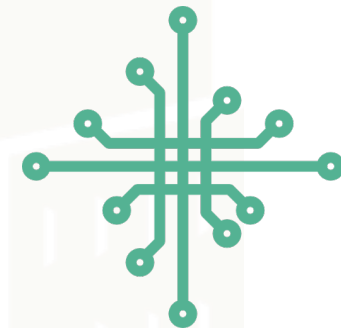
DEFINITIONS



URBAN - RURAL



OPPORTUNITY



TECHNOLOGICAL
CHALLENGE

SMART CITY BAROMETER

DEFINITIONS



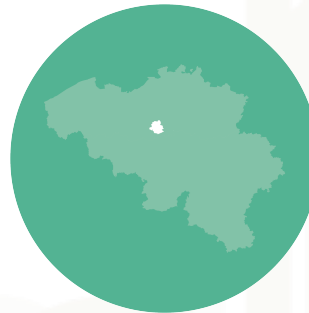
REGIONS



FLANDERS



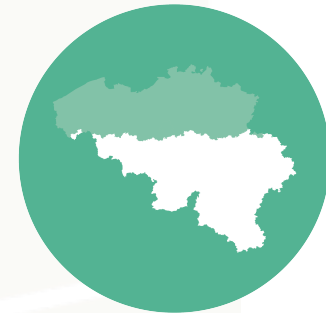
OPPORTUNITY



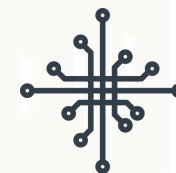
BRUSSELS



TECHNOLOGICAL CHALLENGE



WALLONIA



TECHNOLOGICAL CHALLENGE

SMART CITY BAROMETER

PRIORITIES



BELGIUM - TOP 3



1. GOVERNANCE AND E-SERVICES
2. ENERGY EFFICIENCY

SUSTAINABLE
MOBILITY

SMART CITY BAROMETER

BARRIERS



BELGIUM - TOP 3



SMART CITY BAROMETER

Belgian municipalities often perceive Smart City dynamics as a **TOP-DOWN process involving mainly local public actors**

Limited involvement of private actors, the Civil Society and ... citizens

THANK YOU FOR YOUR ATTENTION



www.SmartCityInstitute.be



sci@ulg.ac.be



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