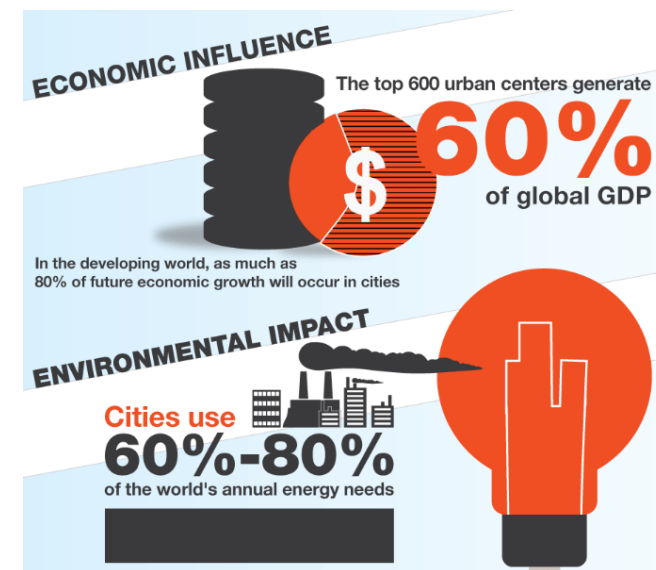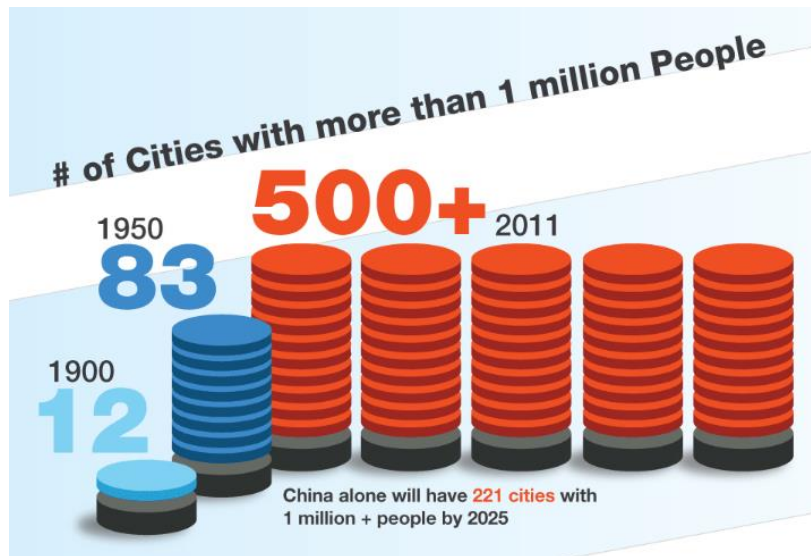# Innovating, creating & connecting
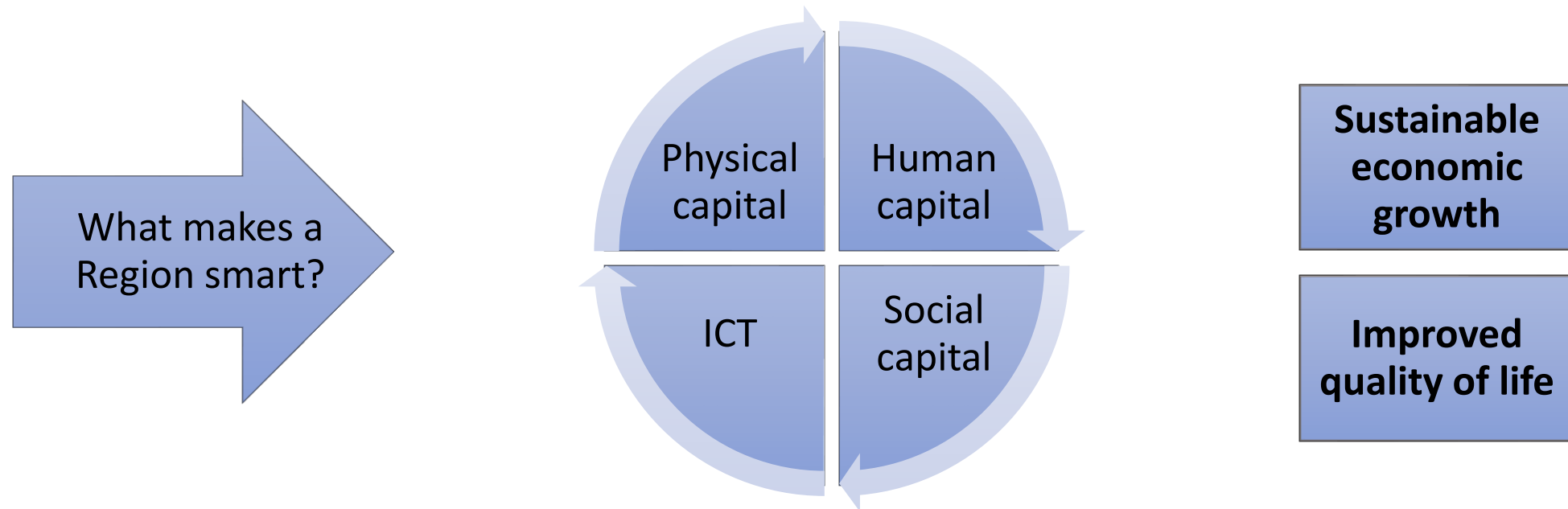
Motivation

Urban Population

1950 – 30%
2008 – 50%
2050 – 70%

Impact of urbanisation on resources, infrastructure and rural areas.

Increasing competition with other regions for talent, trade and investment

Ambition to enhance productivity and economic prosperity

Smart Cork sets out the vision and aspirations of Cork Region to implement not only technology but **Smart solutions** as enablers to solve real problems for its citizens.

A further aim is to engage local industry in developing those solutions.

Citizen Engagement
Assisted Living
Mobility
Open Data
Energy & Resource Efficiency
E-Governance
Food & Agriculture
Economic Development
Communication

Cork Smart Gateway in action:

National & international recognition

Stakeholder engagement

Identifying opportunities

An open and innovative ecosystem

International and national networking

Stakeholder engagement

Stakeholder engagement

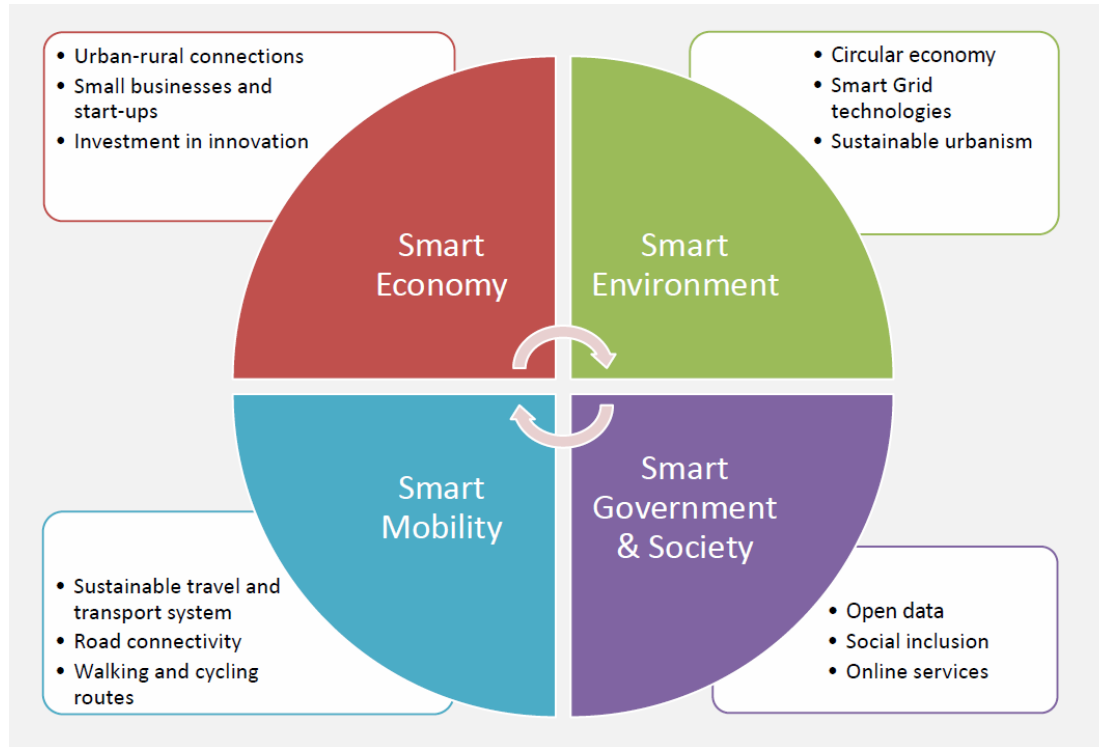- **Upcoming events**

Energy Cork breakfast briefing (Cork)	12 of December, 2019
Workshop "A robust innovation ecosystem for the future of Europe" (Brussels, Belgium)	13 of January, 2020
"Smart Cities and Municipalities" (Ankara, Turkey)	15-16 of January, 2020
Beyond IoT (Cork)	20-21 of January, 2020
Cities Forum 2020 & URBACT workshops (Porto, Portugal)	30-31 of January, 2020

- **Upcoming meetings**

Sandy McGroarty, coordinator for the Transport and Mobility Forum Cork (TMF).
Bernie Connolly, Development Coordinator at Cork Environmental Forum
MaREI Centre
Dr. Paul Shanahan (Halpin – sensor technologies for remote environmental aquatic monitoring)
South-West Regional Enterprise Plan working group
All Ireland Smart Cities Forum meeting

Projects

- Urban-rural connections
- Small businesses and start-ups
- Investment in innovation

- Circular economy
- Smart Grid technologies
- Sustainable urbanism

Smart Economy

Smart Environment

Smart Mobility

Smart Government & Society

- Sustainable travel and transport system
- Road connectivity
- Walking and cycling routes

- Open data
- Social inclusion
- Online services

- **Data Collection: CorkCitiEngage Report**

  A series of surveys to better understand Cork citizen's opinions about the Cork region and its future development.

  3,599 responses.

- **Smart Monitoring Water Buoy**

  A low-cost device encompasses embedded system design and wireless technologies to collect real time information on the water environment. The system was deployed in both Mallow, Co. Cork and Dublin

- **Cork City Council Data Repository**

  An online platform for publishing relevant city information obtained from various sources including information derived from sensors, submissions and surveys.

Opportunities

- **National**

Opening date	Call	Department	Link
Ongoing	Agile Innovation Fund	Department of Business, Enterprise & Innovation – Enterprise Ireland	https://www.enterprise-ireland.com/en/funding-supports/Company/Esetablish-SME-Funding/Agile-Innovation.html
Ongoing	Ireland Energy Efficiency Fund (investment)	Department of Communications, Climate Action & Environment - IEE	http://ieefund.ie/applications/
Ongoing	Various grants on energy efficiency	Department of Communications, Climate Action & Environment - SEAI	https://www.seai.ie/grants/
Oct – 2019	Small Business Innovation Research (SBIR) - Enterprise Ireland	Department of Business, Enterprise & Innovation – Enterprise Ireland	https://www.enterprise-ireland.com/en/Research-Innovation/SBIR-Ireland/About-SBIR/
Dec - 2019	Public Service Innovation Fund	Department of Public Expenditure & Reform	https://www.ops2020.gov.ie/networks/funding/
Dec - 2019	Rural Regeneration and Development Fund	Department of Rural and Community Development	https://www.gov.ie/en/service/c5849b-rural-funding/?section=rural-regeneration-and-development
Feb – 2020	Food & Agriculture Research	Department of Agriculture, Forestry & the Marine	https://www.agriculture.gov.ie/research/competitivenationalprogrammes/

Apr - 2020	LIFE Programme	Department of Communications, Climate Action & Environment – European Commission	https://ec.europa.eu/easme/en/section/life/calls-proposals
Apr - 2020	Environmental Fund	Department of Communications, Climate Action & Environment - EPA	https://www.epa.ie/researchandeducation/research/epafunding/
Jun – 2020	Disruptive Technologies Innovation Fund (DTIF)	Department of Business, Enterprise & Innovation	https://dbei.gov.ie/en/What-We-Do/Innovation-Research-Development/Disruptive-Technologies-Innovation-Fund/
Jul - 2020	Regional Technology Cluster Fund	Department of Business, Enterprise & Innovation – Enterprise Ireland	https://www.enterprise-ireland.com/en/funding-supports/Regional-Technology-Cluster-Fund/RTCF/
Sept - 2020	Climate Action Fund	Department of Communications, Climate Action & Environment	https://www.dccae.gov.ie/en-ie/climate-action/topics/climate-action-fund/Pages/default.aspx
TBC	Innovation Fund	Department of Communications, Climate Action & Environment	https://www.dccae.gov.ie/en-ie/environment/topics/innovation-fund/Pages/Innovation-Fund.aspx
TBC	Town and village renewal	Department of Rural and Community Development	townandvillage@drcd.gov.ie

- **Horizon2020**

Deadline	Call Type	Call Title	Call Reference	Action	Budget
12/03/2020	Single	Horizon 2020 (Societies) - Citizen-centric public services in local and regional administrations	GOVERNANCE-22-2020	CSA	1.5 M
13/02/2020	Two	Horizon 2020 (Climate) - Innovative nature-based solutions for carbon neutral cities and improved air quality	LC-CLA-11-2020	IA	10 M
13/02/2020	Two	Horizon 2020 (Climate) - Climate resilience of coastal cities	LC-CLA-13-2020	RIA	10 M
12/03/2020	Single	Horizon 2020 (Societies) - Inclusive and innovative practices for the integration of migrants in urban areas	MIGRATION-04-2020	IA-LS	3 M
14/03/2020	Single	Horizon 2020 (Societies) - Transformative impact of disruptive technologies in public services	DT-TRANSFORMATIONS-02-2020	RIA	3-4 M
12/03/2020	Single	Horizon 2020 (Societies) - New forms of delivering public goods and inclusive public services	DT-GOVERNANCE-05-2018-2019-2020	RIA	20 M

Our ambition

Our ambition is to create innovative, smart solutions for Cork, identify a test site and demonstration site to trial and test smart solutions that solve specific challenges for the identified area.

We invite you to get involved!

Do you have a smart solution? Let us know!
Does your project address a challenge? Share it with us!

We innovate, create & connect.

Vanessa Pulgarin
Cork Smart Gateway
School of Computer Science & IT
University College Cork
v.pulgarin@cs.ucc.ie
M: +353 833442365
@SmartCork

Thank you
&
Happy holidays!