Innovating, creating & connecting
The Cork Smart Gateway aims to enhance the reputation of Cork as an attractive region for people to live, work, visit and invest.

What makes a Region smart?

- Physical capital
- Human capital
- ICT
- Social capital

- Sustainable economic growth
- Improved quality of life
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

# of Cities with more than 1 million People

1950: 83
1900: 12
2011: 500+

China alone will have 291 cities with 1 million+ people by 2025

ECONOMIC INFLUENCE
The top 600 urban centers generate 60% of global GDP

In the developing world, as much as 80% of future economic growth will occur in cities

ENVIRONMENTAL IMPACT
Cities use 60%-80% of the world’s annual energy needs
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.
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

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td>Energy Cork breakfast briefing (Cork)</td>
<td>12 of December, 2019</td>
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<tr>
<td>Workshop &quot;A robust innovation ecosystem for the future of Europe“</td>
<td>13 of January, 2020</td>
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<td>(Brussels, Belgium)</td>
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<tr>
<td>“Smart Cities and Municipalities“ (Ankara, Turkey)</td>
<td>15-16 of January, 2020</td>
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<td>Beyond IoT (Cork)</td>
<td>20-21 of January, 2020</td>
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<tr>
<td>Cities Forum 2020 &amp; URBACT workshops (Porto, Portugal)</td>
<td>30-31 of January, 2020</td>
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• Upcoming meetings

<table>
<thead>
<tr>
<th>Meeting</th>
<th>Details</th>
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<tbody>
<tr>
<td>Sandy McGroarty, coordinator for the Transport and Mobility Forum</td>
<td>Cork (TMF).</td>
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<tr>
<td>Bernie Connolly, Development Coordinator at Cork Environmental Forum</td>
<td>MaREI Centre</td>
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<tr>
<td>Dr. Paul Shanahan (Halpin – sensor technologies for remote environmental aquatic monitoring)</td>
<td>South-West Regional Enterprise Plan working group</td>
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<tr>
<td>All Ireland Smart Cities Forum meeting</td>
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</tbody>
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Projects

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

- Circular economy
- Smart Grid technologies
- Sustainable urbanism

- 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

<table>
<thead>
<tr>
<th>Opening Date</th>
<th>Call Type</th>
<th>Call Title</th>
<th>Call Reference</th>
<th>Action</th>
<th>Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apr - 2020</td>
<td>Single</td>
<td>Horizon 2020 (Societies) - Citizen-centric public services in local and regional administrations</td>
<td>GOVERNANCE-22-2020</td>
<td>CSA</td>
<td>1.5 M</td>
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<tr>
<td>Apr - 2020</td>
<td>Single</td>
<td>Horizon 2020 (Climate) - Innovative nature-based solutions for carbon neutral cities and improved air quality</td>
<td>LC-CLA-13-2020</td>
<td>IA</td>
<td>10 M</td>
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<td>Apr - 2020</td>
<td>Single</td>
<td>Horizon 2020 (Climate) - Climate resilience of coastal cities</td>
<td>LC-CLA-13-2020</td>
<td>RIA</td>
<td>10 M</td>
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<tr>
<td>Apr - 2020</td>
<td>Single</td>
<td>Horizon 2020 (Societies) - Inclusive and innovative practices for the integration of migrants in urban areas</td>
<td>MIGRATION-04-2020</td>
<td>IA-LS</td>
<td>3 M</td>
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<tr>
<td>Apr - 2020</td>
<td>Single</td>
<td>Horizon 2020 (Societies) - Transformative impact of disruptive technologies in public services</td>
<td>DT-TRANSFORMATIONS-03-2020</td>
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<td>3.4 M</td>
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<tr>
<td>Apr - 2020</td>
<td>Single</td>
<td>Horizon 2020 (Societies) - New forms of delivering public goods and inclusive public services</td>
<td>DT-GOVERNANCE-05-2018-2019</td>
<td>RIA</td>
<td>20 M</td>
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- Apr - 2020: LIFE Programme - Department of Communications, Climate Action & Environment – European Commission
- Apr - 2020: Environmental Fund - Department of Communications, Climate Action & Environment – EPA
- Apr - 2020: Directorate Technologies Innovation Fund (DITI) - Department of Business, Enterprise & Innovation
- Jul - 2020: Regional Technology Cluster Fund - Department of Business, Enterprise & Innovation – Enterprise Ireland
- Sept - 2020: Climate Action Fund - Department of Communications, Climate Action & Environment
- TBC: Innovation Fund - Department of Communications, Climate Action & Environment
- TBC: Town and village renewal - Department of Rural and Community Development
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.

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Thank you
&
Happy holidays!