

100 Intelligent Cities Challenge (ICC)

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ECA meeting: Smart Bio Cities and the Intelligent Cities Challenge

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The Intelligent Cities Challenge is funded by COSME, the EU
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What is the Intelligent Cities Challenge?

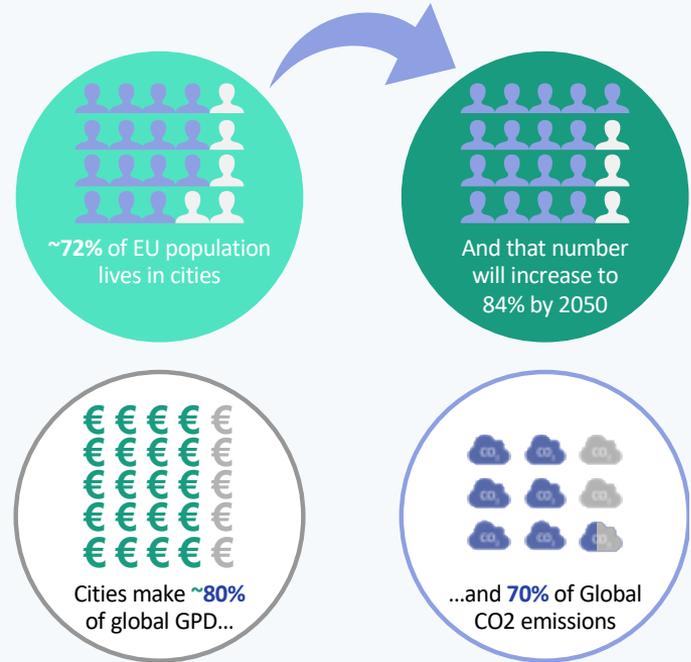
What is the context of the ICC?

Cities shape the future of the EU

72% of EU citizens live in urban areas and their ecosystems are powerful actors of change. ~50% of the reductions necessary for net zero emissions can be achieved at city level.

Effective technologies are offering solutions to these challenges.

Many cities are emerging as world leaders in innovative technologies and business models. Others can profit from their knowledge.



What is the Intelligent Cities Challenge?

The 100 **Intelligent Cities Challenge** (ICC) is an EU initiative that **helps EU cities leverage cutting edge technologies** to tackle the **pandemic crisis and reconstruct their economies** while steering them in the direction on **green smart sustainable growth**. This will help cities to improve the quality of life and create new opportunities for their business communities.

It builds on the **Digital Cities Challenge**, which helped 41 EU cities develop a strategic vision and a roadmap for digital transformation. It introduces key innovations such as the **international dimension** and a stronger focus on **hands-on implementation**. The ICC is part of wider EU support contributing to a **European Green Deal**, an economy that works for people and a Europe fit for the Digital age.



Digital Cities Challenge – Key achievements

Reach-out:

41
Cities

+1.5M
SMEs

- ✓ Open Data and Internet of Things
- ✓ Market opportunities for cutting-edge technological solutions
- ✓ Upskill workforce and attracting talents
- ✓ Support implementation and joint investments



Digital Cities Challenge - Outcomes

At the end of the initiative, participating cities have:

Set an ambitious vision for their city in the 21st century, shared by citizens, authorities, businesses and organisations

Built a community of local stakeholders committed to engage in the transformation of their city to a better place to live, thanks to advanced tech

Built a network of European peers and partners able to offer mutual support and advice in the future



Developed and started implementing a strategy

This includes tangible, achievable and measurable steps to be taken in the short, medium and long term

Gained exposure at European level

and established itself as a beacon for the transformative power of digitalisation

The Digital Cities Challenge Methodology Toolbox:

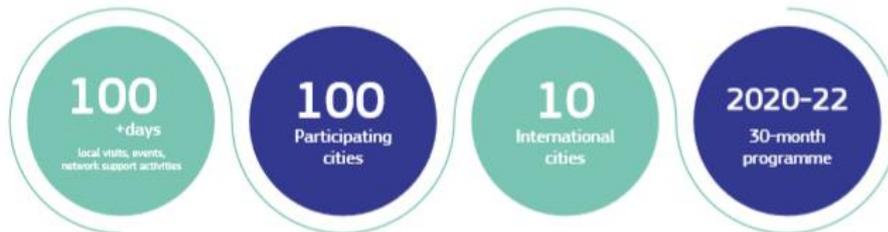
- **DCC Self-Assessment Tool** (SAT) determines cities' digital performance level, based on existing digital transformation processes and progress along 8 dimensions of digital development.
- **DCC Key Performance Indicators** (KPIs) allow the monitoring of the targeted and actual impact of the actions and initiatives on the local economy, businesses and citizens. In addition
- **DCC Digital Transformation Handbook** offers concrete methodology for cities on how to develop an effective digital transformation strategy, based on existing best practices
- **Blueprint for cities and regions** as launch pads for digital transformation.

What are the goals and vision?

ICC cities will receive **tailored guidance and expert support**, access to advisory and city peer **networks** (European and international), and **capacity building tools**, to drive priority policy goals and the uptake of advanced technologies.

Through its action oriented and collaborative approach, the ICC helps cities to:

- **Identify local strengths and formulate priorities and real needs:** conduct performance assessments, define strategic goals and implementation roadmaps;
- **Engage in long-lasting collaborations to co-create and co-design:** joint open data platform, EU marketplace for city solutions and joint investments/procurements;
- **Learn from and share experiences** with local and international peers and mentors.



What do cities stand to gain from participating in the ICC?

Core cities will receive world-class support from EU and international mentor cities and leading experts – in person, online and as a community – to drive transformation journeys and connect with solutions to overcome key challenges. Support and activities will include expert consultant support on the ground, facilitated sessions at several high-profile multi-city events, and a suite of online tools.

Mentor cities will enjoy high profile opportunities to showcase and grow their successes, receive targeted advice and collaborate with other ambitious cities on thematic challenges and joint initiatives.



What type of policy goals can the ICC help cities pursue?

Five thematic tracks - 16 themes

1

Green economy and environment

Transforming industry and cleaner and resource-efficient industries

Waste management and circular economy

Scaling up renewable energy solutions and energy efficiency

Efficient management of water systems

Sustainable use and management of natural resources

Sustainable and resilient food systems

2

Mobility and urban infrastructure

Smarter and greener mobility and transport

Transforming and greening construction, housing and urban management

3

Government services and social connectedness

E-government and digitising public services

Enhancing citizen participation and connectivity

4

Economic growth and skilling

Innovative education and training for up- and re-skilling

Growing start-ups, SMEs and social entrepreneurship

Smart and sustainable tourism

5

Health and safety

Promoting health and well-being of citizens

Supporting safety and security

Climate resilience and disaster management

ICC Covid-19 response in cities



- **A series of Covid-19 webinars** to support mutual learning and share best practices from European and global cities : <https://www.intelligentcitieschallenge.eu/covid-19-webinars>
 - *Fighting Coronavirus at a city level (3 April)*
 - *Building cities' resilience: mobilising local ecosystems (15 April)*
 - *Post-Pandemic Recovery Plans in Cities: Turning the Crisis into an Opportunity (14 May)*
- **The ICC Covid-19 good city practices portal** with case studies of technology-based actions taken by cities to support their citizens and ecosystem in facing the COVID-19 pandemic crisis: <https://www.intelligentcitieschallenge.eu/covid-19-good-practices>
- **Covid-19 useful links** with the most relevant EU response measures and other public-private initiatives of relevance to cities: <https://www.intelligentcitieschallenge.eu/covid-19-useful-links>

Cities' needs

- Fighting **the triple crisis**: health, social and economic crisis
- **Turn the crisis into an opportunity**: Reimagine the post-Covid city
- **City and Community Resilience**: reuniting the makers community, Fablabs, volunteers, social initiatives and steer them where real needs are. Industrial clusters and social economy actors are part of a city's response
- **Cities' Green Deals**: Green and digital recovery plans, circular economy
- **Clean infrastructure**: New infrastructure must be re-designed in ways that reduce emissions and that reflect projected conditions,
- **Rebuilding local Manufacturing**, increasing local production, localising supply chains, Sustainable urban food systems
- **Use of technologies**, digital platforms and data commons, as enablers of resilience and new growth: e.g. "Digital Twins" for modelling supply chains, contact tracing apps, drones, blockchain.

Q&A

Questions and answers on the ICC initiative

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