

# Green and Digital Transformation at ICLEI Europe

**The EU Green Deal recognises the essential role of digital transformation in achieving a resource-efficient, carbon-neutral, and resilient world by 2050.**

With the European Green Deal and its underlying initiatives, suitable framework conditions are formed to create an interconnected, resilient and locally rooted energy system. Europe's efforts to become the first climate-neutral continent, however, will mainly depend on enabling local and regional governments to analyse, act and accelerate the transformation of energy production, supply and use across buildings, mobility, industry and agriculture.

A structured approach is needed in order to realise sustainable energy systems and ICLEI advocates for a hierarchical combination of energy sufficiency, efficiency, circular energy flows, renewable energy, and intelligent grids.



ICLEI aims to be a key player in the Green and Digital Transformation of cities and regions, we strive to enhance Europe's comprehension of the intricacies, risks, and opportunities presented by digital and green transformation agendas.

- ✦ At ICLEI, we adopt data-driven approaches, crucial to driving environmental and climate action forward, recognising the relevance of appropriate monitoring, reporting and evaluation (MRE) schemes.
- ✦ We advocate utilising digital infrastructures and smart solutions to address environmental and climate challenges. A critical analysis of digital services and solutions helps forge an integrated tech and sustainability agenda for a green, equitable, and sustainable Europe.
- ✦ Recognising the significance of green technology adoption at the local level through engagement with stakeholders. Collaboration with cities, partners, and experts helps unlock the potential of technology to drive meaningful, sustainable change.

*“As urban landscapes grow in complexity, digitalisation across all facets emerges as the sole means to effectively manage such a vast structure. İzmir is wholeheartedly committed to leveraging all available technology and digital solutions to enhance the city's sustainability and resilience. Projects like Google EIE for transport emissions vividly demonstrate how citizen-generated data can be harnessed by the city to foster a more prosperous and livable environment. Such projects inspire us to develop better services and plans for the future to become a carbon free and resilient city.”*

## Dr. Çağlar Tükel

Engineer,  
İzmir Metropolitan  
Municipality Department  
of Climate Change and  
Environmental Protection



## ICLEI'S STRATEGIC INVOLVEMENT

ICLEI Europe plays a crucial role in advancing Green Digital Transformation within key EU policies, such as Europe Fit For the Digital Age and the EU Digital Service Act. Engaging at the Member State level, ICLEI Europe contributes to initiatives like the EU Smart City Marketplace and Intelligent City Challenge. Collaborating with EU Smart Cities projects like "Growsmarter" and "Ruggedised," ICLEI Europe promotes sustainable digital technology adoption. The [ICLEI Action Fund](#) and Google EIE collaboration

customise support for cities' specific needs in the green and digital space. We also partner with CDP for the [CDP-ICLEI Track](#) for transparent climate reporting. The Green Digital Transformation team actively manage open data projects, furthering their impact in H2020 and Horizon Europe projects like [Urban Releaf](#), [Matrycs](#), and [BuiltHub](#).

Member Example:

[www.iclei-europe.org/member-in-the-spotlight/glasgow](http://www.iclei-europe.org/member-in-the-spotlight/glasgow)

## IMPACT

**15** data-driven and AI-enabled solutions projects in Europe, as part of the ICLEI Action Fund.

**50+** cities engaged in the Google EIE Collaboration

In 2022, **56** ICLEI Members in Europe reported to the CDP-ICLEI Track. Some of them like Mannheim, Tampere, Athens, Vitoria-Gasteiz, etc are in the [CDP A List](#)



## OPPORTUNITIES

Explore the potential of Google's EIE platform for data-driven urbanisation. Partner with ICLEI Europe to know more and leverage the tool for sustainable city projects. For more details and opportunities, reach out to [urbandata-europe@iclei.org](mailto:urbandata-europe@iclei.org)

Explore funding opportunities for data-driven climate action projects in Greece through the ICLEI Action Fund Greece, [more information here](#).

Interested in knowing more about the [CDP-ICLEI Track](#), reporting cycles and how to make the best use of the data from it? Please write to us.

Interested in collaborating with us in project proposals and obtaining EU funding for digital, data driven and sustainable projects in your city? ICLEI Europe offers you its long-standing experience and success in acquiring projects and its network of 200+ partners.

Learn from and connect to more than 2500 local and regional governments worldwide who work on Green and Digital Transformation.

[Sign up to become a member of ICLEI!](#)

## RESOURCES

### **Action Fund:**

The Action Fund supports community-driven projects that use data and AI to address urban challenges and promote sustainability. It funds initiatives that advance climate action, improve public services, and actively engage citizens.

### **Google EIE and ICLEI:**

EIE is a tool that provides insights on various environmental parameters helping cities align technology use with sustainability and social equity goals.

### **Matrycs Tool Test:**

The Matrycs tool test assesses a platform for optimizing energy efficiency in buildings. It uses data-driven analytics to support sustainable urban planning and decision-making.

## Connect with us:

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🌐 [www.iclei-europe.org/topics/green-digital-transformation/](http://www.iclei-europe.org/topics/green-digital-transformation/)



## ICLEI Europe

ICLEI – Local Governments for Sustainability is a global network working with more than 2500 local and regional governments committed to sustainable urban development. Active in 125+ countries, we influence sustainability policy and drive local action for low emission, nature-based, equitable, resilient and circular development.