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DEUTSCHE ZUSAMMENARBEIT

# PROJE: Enerji Dönüşümü için AB: Batı Balkanlar ve Türkiye'deki Belediye Başkanları Sözleşmesi

## 12 Haftada SECAP Masterclass

## Çok Seviyeli Yönetişim Platformu: MLGP4Climate

### Sürdürülebilir Gelecek için İş Birliği

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# PROJE: Enerji Dönüşümü için AB: Batı Balkanlar ve Türkiye'deki Belediye Başkanları Sözleşmesi



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## EU4 Energy Transition:

*Convenant of Mayors  
in the Western Balkans and Turkey*

SECAP

GIZ

CO<sub>2</sub>  
↓  
AT  
LEAST 40%  
2030

VISIBILITY & COMMUNICATION

GOOD  
PRACTICES

DECARBONISED, CLIMATE RESILIENT CITIES

GOOD  
PRACTICES

MOBILITY

PLANNING &  
MONITORING

JOINT PROJECTS

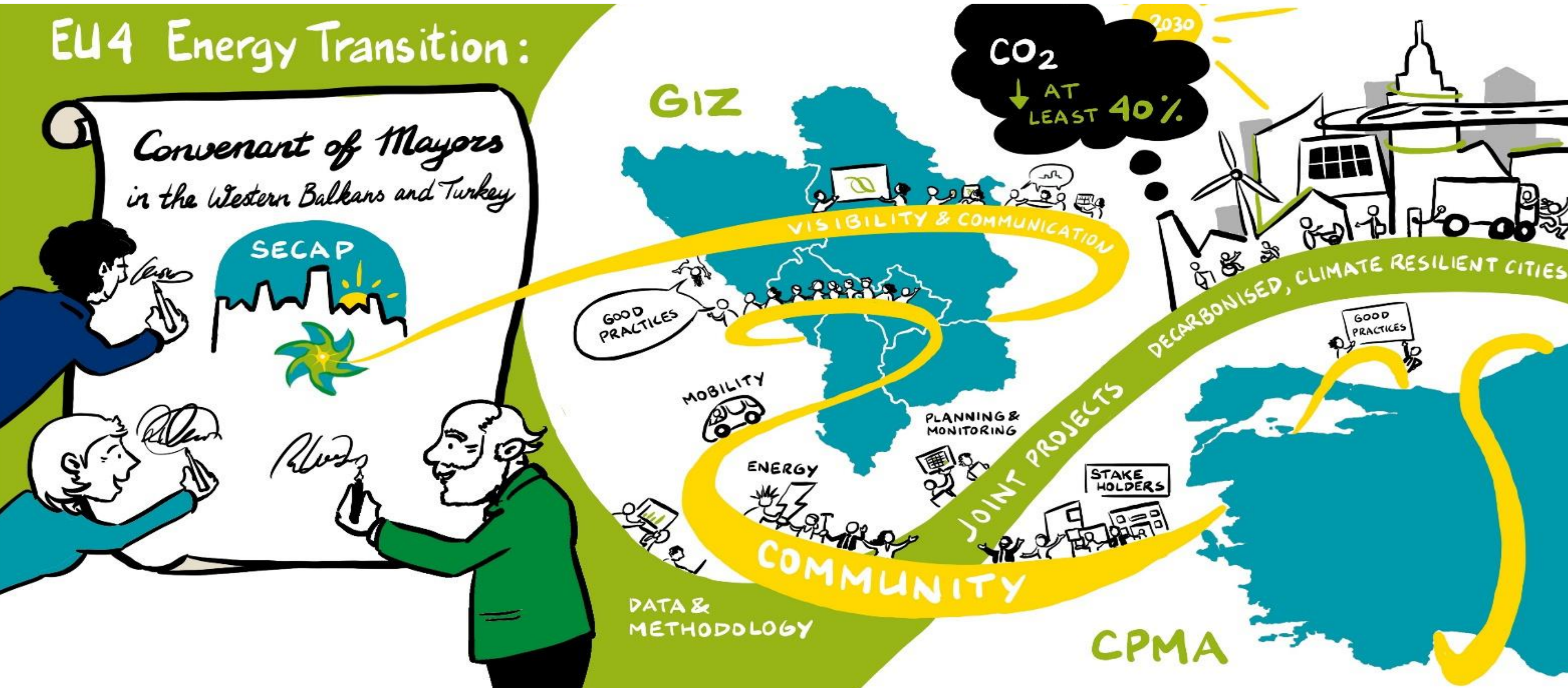
STAKE  
HOLDERS

ENERGY

COMMUNITY

DATA &  
METHODOLOGY

CPMA







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# The Covenant of Mayors is the world's largest movement for local climate and energy actions



The 3 pillars of signatories' commitments

- Reducing GHG emissions by 40% (55%) by 2030
- Strengthening resilience
- Alleviating energy poverty





2020  
2030  
2040  
2050





# Sürdürülebilir Enerji ve İklim Eylem Planı (SECAP) SÜRDÜRÜLEBİLİR GELECEK İÇİN YOLCULUK







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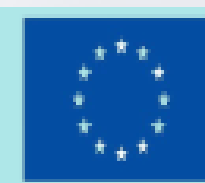
# 12 Haftada İklim Liderliği: SECAP Eğitimi Kayıtları Başladı!

- Başlangıç Tarihi: 7 Ocak 2025
- Süre: 12 hafta
- Gün ve Saat: Her hafta Salı günü, 11:00-12:00
- Düzenleyen: MLGP4Climate\*
- Konuşmacılar: Uluslararası Kurumlar (GCoM, JRC, CDP, finansal kurumlar ve daha fazlası)
- Odak Grup: CoM imzacısı belediyeler (2 personel)
- Yöntem: Çevrimiçi (Zoom)
- Katılım Ücretsiz
- Son Başvuru Tarihi: 20 Aralık 2024

\*Bu eğitim programı, CPMA tarafından yürütülmekte olan Enerji Dönümü için AB: Batı Balkanlar ve Türkiye'deki Belediye Başkanları Sözleşmesi projesi tarafından düzenlenmektedir.



**MLGP4Climate**



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- Bu eğitimde, SECAP sürecinin tüm aşamalarına dair teorik bilgiler, pratik öneriler ve örnek uygulamalar paylaşılacaktır.
- Eğitimler konuya özgü uzman uluslararası kurumlar tarafından verilecektir.
- Katılımcılar ulusal ve uluslararası uzmanlarla tanışma fırsatı bulacaklardır.
- Katılımcılara Eğitim Sertifikası takdim edilecektir.
- Eğitime her CoM imzacısı belediyeden 2 personel davetlidir.

1

**Kayıt Formunu Doldurun:**  
Kayıt için QR kodu okutun.



2

**E-postanızı Kontrol Edin:** Kayıt işlemi tamamlandığında, tarafınıza eğitim bağlantısını içeren e-posta gönderilecektir.

3

**Eğitim Günlerinde Katılın:** Zoom bağlantısına erişerek eğitime katılım sağlayabilirsiniz.



@eu4energytransitiontr



@EU4EnergyT





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# MLGP4Climate Portalı

<https://mlgp4climate.com/>



MLGP4Climate SECAP Masterclass  
2025 Week 4

[Read More >>](#)



MLGP4Climate SECAP Masterclass  
2025 Week 3

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MLGP4Climate SECAP Masterclass  
2025 Week 2

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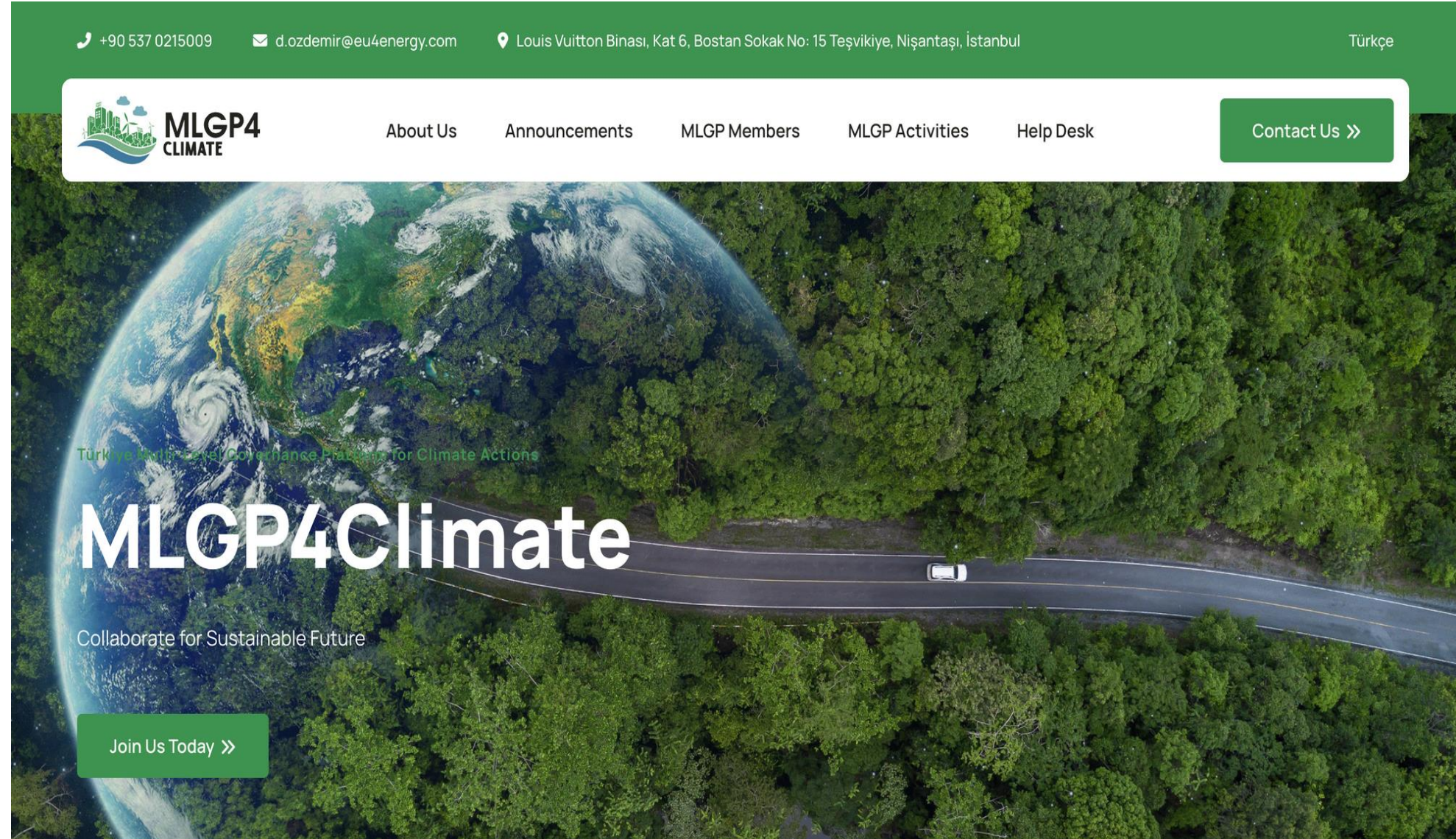
MLGP4Climate: SECAP Masterclass  
2025 Week 1



Bağcılar Municipality Energy  
Poverty Training



MLGP4Climate Workshop on  
Financial Instruments and Funding O...





# KÜTÜPHANEDEKİ YENİ RAPORLAR

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Sürdürülebilir Bir Gelecek İçin İşbirliği





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# Kütüphanedeki yeni raporlar



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International Journal of  
Environmental Research  
and Public Health



Article

## Achieving Carbon Neutrality through Urban Planning and Design

Zhiqiang Wu<sup>1</sup>, Zichen Zhao<sup>2,3,\*</sup>, Wei Gan<sup>3,\*</sup>, Shiqi Zhou<sup>2</sup>, Wen Dong<sup>3</sup> and Mo Wang<sup>4</sup>

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- <sup>2</sup> College of Design and Innovation, Tongji University, Shanghai 200093, China
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- \* Correspondence: zzichen719@163.com (Z.Z.); ganwei1989up@gmail.com (W.G.)

**Abstract:** Much of the research on climate change has focused on carbon reduction in cities or countries. However, more attention needs to be paid to how to achieve carbon neutrality in the urban design and planning stage, and the lack of quantitative analysis of carbon related to urban space makes it difficult to locate urban space and provide direct guidance for urban planning and design. This study proposed three optimization paths to achieve carbon neutrality in multi-scale urban building clusters. Firstly, we reconstructed the quantitative calculation system of urban building communities with the goal of carbon neutrality; secondly, we screened the carbon source reduction and carbon sink interventions that are suitable for multi-scale urban building communities; finally, we constructed a carbon emission and carbon sink calculation system of planning and design schemes based on the layout of relevant elements of planning and design schemes with a grid cell of 100 × 100 m. In practice, there was a gap of about 115,000 tons of CO<sub>2</sub> from the carbon-neutral target and 26% of carbon emission was distributed in the Xiajiabian Station TOD. In this study, nine types of carbon reduction measures were adopted to achieve carbon neutrality in the region, among which the highest carbon reduction was achieved by biomass energy measures, accounting for 29% of the total carbon reduction of 33,745.27 T. The objective of this study is to accurately and quantitatively assess the carbon targets of urban spaces at different scales and adopt effective measures to achieve

nature communications

Article

<https://doi.org/10.1038/s41467-023-37314-6>

## Carbon reduction technology pathways for existing buildings in eight cities

Received: 28 April 2022

Accepted: 1 March 2023

Published online: 04 April 2023

Check for updates

Yu Qian Ang<sup>1</sup>, Zachary Michael Berzolis<sup>1</sup>, Samuel Letellier-Duchesne<sup>2</sup> & Christoph F. Reinhart<sup>1</sup>

We work with policymakers in eight cities worldwide to identify technology pathways toward their near- and long-term carbon emissions reduction targets for existing buildings. Based on policymakers' interests, we define city-specific shallow and deep retrofitting packages along with onsite photovoltaic generation potential. Without further grid decarbonization measures, stock-wide implementation of these retrofits in the investigated neighborhoods reduces energy use and carbon emissions by up to 66% and 94%, respectively, helping Braga, Dublin, Florianopolis, Middlebury, and Singapore to meet their 2030 goals. With projected grid decarbonization, Florianopolis and Singapore will reach their 2050 goals. The remaining emissions stem from municipalities not planning to electrify heating and/or domestic hot water use. Different climates and construction practices lead to varying retrofit packages, suggesting that comparable technology pathway analyses should be conducted for municipalities worldwide. Twenty months after the project ended, seven cities have implemented policy measures or expanded the analysis across their building stock.

Cities run on energy. Since the industrial revolution, urban environments have dominated energy consumption patterns in countries around the world. Today, over 50% of the world's population lives in urban areas, collectively generating over 75% of the global gross domestic product (GDP). Attracted by this wealth, urban dwellers are expected to double by 2050. At that point, the urban built-up area is projected to more than triple<sup>1</sup>, accounting for over 70% of global carbon emissions<sup>2</sup>.

Cities are well positioned to mitigate future emissions, being both "a cause of and solution to" climate change<sup>3</sup>. More than 100 cities have already committed to net-zero carbon emissions by 2050<sup>4</sup>. Buildings will inevitably play a pivotal role in this process, with the Intergovernmental Panel on Climate Change (IPCC) estimating that the energy use of existing residential buildings can be reduced by 50% to 75% across geographical regions<sup>5</sup>. However, while the long-term goals are clear, the pathways to achieving carbon emissions reduction targets for buildings are less so. To keep cumulative carbon emissions of the global building stock in check, the annual global renovation rate must increase from (the current) 1% to 5%, and all new construction must be carbon neutral by 2040 in terms of both operational and embodied energy use<sup>6</sup>. For The United Kingdom, this translates into a retrofit rate of 1.5 homes every minute from now until 2050<sup>7</sup>. In the United States, the Biden administration has supported energy efficiency upgrades in at least four million homes and weatherization for at least two million homes<sup>8</sup>. To optimize the use of such funds, cities need a data-driven support framework to decide what type of upgrades to encourage and in what buildings.

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“Coming together is a beginning.  
Keeping together is progress.  
Working together is success

*Henry Ford*





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