



## The European Union – Uzbekistan Sustainable Energy Days

International Conference

Energy Efficiency in Uzbekistan: prospects and challenges Radisson Blu Hotel, Tashkent, 27 June 2023

The Global Covenant of Mayors for Climate & Energy: support to cities energy transition through Climate Action Planning and projects development

Piero Remitti, Co-managing Director, Global Covenant of Mayors for Climate and Energy











# The Global Covenant of Mayors for Climate and Energy



Bloomberg Philanthropies



Pier Roberto Remitti, GCoM Co-managing Director

**June 2023** 

#### Emissions must peak before 2025 for 'liveable future', UN report says







Issued on: 04/04/2022 - 17:04



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#### Climate crisis

Scientists deliver 'final warning' on climate crisis: act now or it's too late

IPCC report says only swift and drastic action can avert irrevocable damage to world

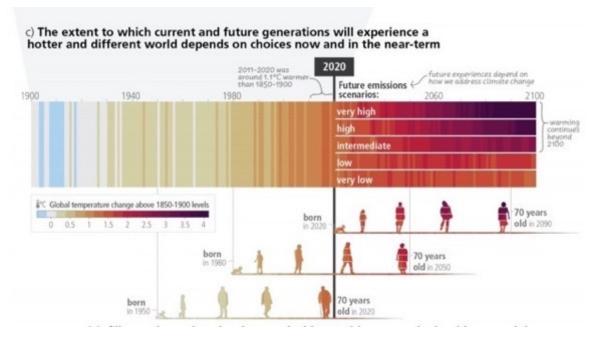
- Analysis: Humanity at the crossroads
- Timeline: The IPCC's reports

Fiona Harvey Environment editor

Mon 20 Mar 2023 13.00 GMT



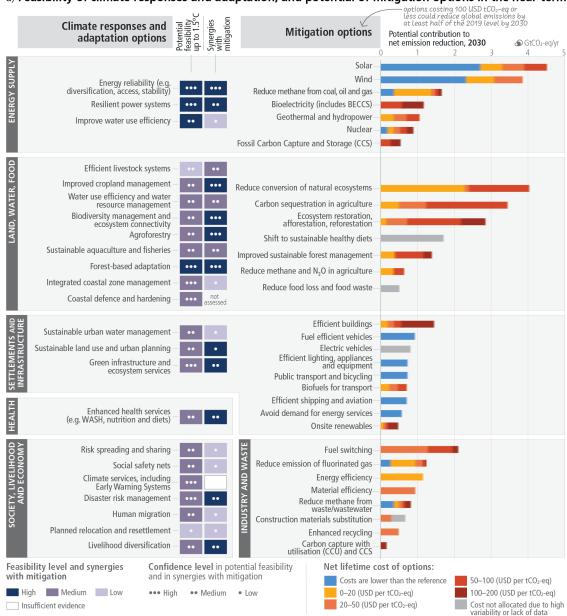






#### There are multiple opportunities for scaling up climate action

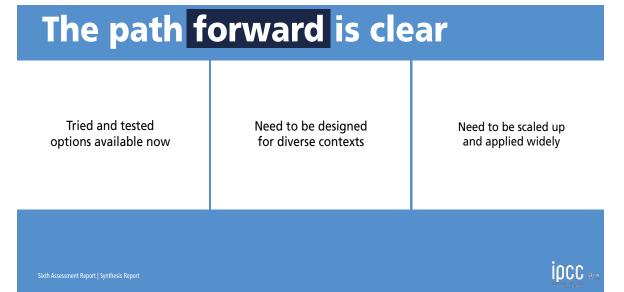
a) Feasibility of climate responses and adaptation, and potential of mitigation options in the near-term





#### **AR6 Synthesis Report Climate Change 2023**

Rapid and far-reaching transitions across all sectors and systems are necessary to achieve deep and sustained emissions reductions and secure a liveable and sustainable future for all. These system transitions involve a significant upscaling of a wide portfolio of mitigation and adaptation options. Feasible, effective, and low-cost options for mitigation and adaptation are already available, with differences across systems and regions. (high confidence).





#### A GROWING ALLIANCE OF CITIES & LOCAL GOVERNMENTS

12,613 CITIES
1.078 BILLION PEOPLE
GLOBAL COVENANT OF MAYORS



243 CITIES 98.5 MILLION PEOPLE NORTHAMERICA

6 CITIES
1.7 MILLION PEOPLE
THE CARDINEAN

565 CITIES 195.4 MILLION PEOPLE 655 CITIES
60.5 MILLION PEOPLE
EASTERN EUROPE & CENTRALASIA

10,402 CITIES 258.3 MILLION PEOPLE EUROPEAN UNION & WESTERN

63 CITIES 81.6 MILLION PEOPLE

36 CITIES 81.6 MILLION PEOPLE SOUTHASIA

179 CITIES 82.3 MILLION PEOPLE MIDDLE EAST & NORTH AFRICA

> 100 CITIES 65.2 MILLION PEOPLE

319 CITIES 152.4 MILLION PEOPLE SUB-SABARAN AFRICA

> 45 CITIES 7.5 MILLION PEOPLE

## GCOM: ONEWORLDALLIANCE

+12.500 cities, > 1billion people, 13 Regional Covenants



# Benefits of joining the GCoM

GCoM signatories join the world largest coalition of local leaders committed to address the climate change challenge. They can benefit from:



Access to good practices, guidance documents, methodologies and tools



Capacity building & technical support on planning & implementation of climate and sustainable energy action



Access to decentralized cooperation mechanisms. Peer-to-peer learning.



Improved
international
visibility of climate
and energy actions
carried out by cities
in sub-Saharan
Africa



Facilitated access to finance, leveraging investments

#### **ENERGIZING CITY CLIMATE ACTION**

#### download the 2022 GCoM REPORT here:

www.globalcovenantofmayors.org/impact2022/



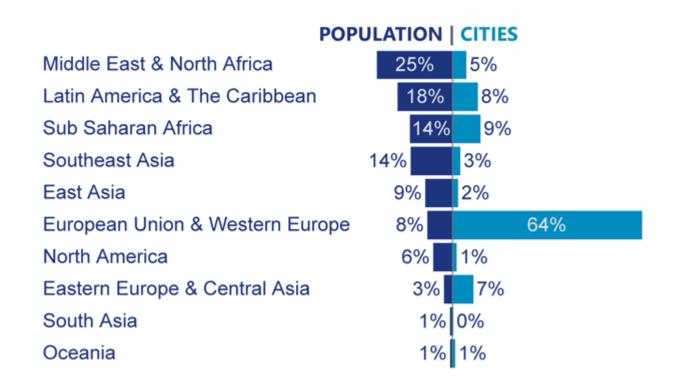
12,500+ cities144 countries900 new cities in 2022

Over 1 billion people — one person in every eight — lives in a city that is committed to GCoM

### A GROWING ALLIANCE



## The distribution of the GCoM growth since 2021 across regions



#### **ENERGIZING CITY CLIMATE ACTION**

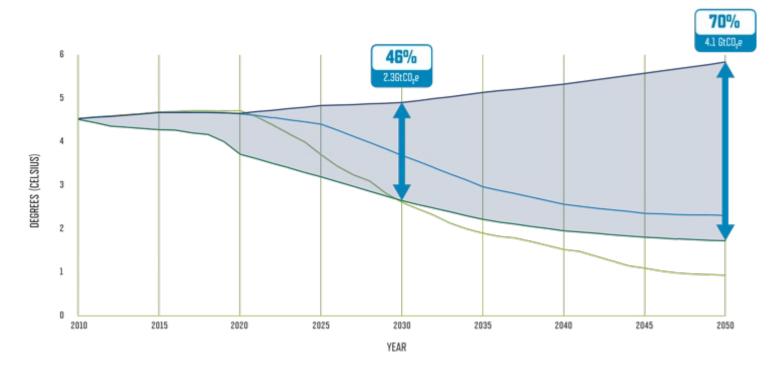


Based on current targets and actions, the GCoM cities could collectively reduce global emissions by 2.3 GtCO2e annually in 2030 compared to a business-as-usual (BAU) trajectory

### A LOW CARBON FUTURE



## GCoM signatory emissions scenarios, 2010-2050



- Baseline
- NDC
- GCoM Cities Enhanced Ambition
- MEDIAN 1.5deg

### Multilevel Climate Action: Localizing the NDCs

Critical opportunity to address the climate crisis: stronger vertical integration across levels of government that integrates local and regional climate contributions into NDCs.

Local authorities are responsible for the planning, development and management of territories: they are able to better understand the diversity and the complexity of local ecosystems and the needs and priorities of local communities.

Local authorities are primarily responsible for the effective conduct of sustainable development programs, quality basic urban services aimed at improving the living conditions of their population, as well as the development of their territory to make them more attractive and competitive. They have the mandate for local development, without necessarily having the human and financial resources.







**GCoM** supports cities in their contribution to the countries' NDCs implementation process, integrating the level of territorial communities and local development into the national strategies and investment plans through their own Climate Action Plans







CAPs

## CAP development process overview



#### **Initiation**

- Political commitment
- Mobilize all municipal departments involved
- Stakeholders engagement

#### Year 0

**Political** Commiment Signature of PCD

#### Year 2

Baseline Emmissions Inventory (BEI); Risk and Vulnerability Assessment (RVA); Access to Energy Assessment (AEA) targets and goals

#### **Planning**

Gain better understanding of local emissions, vulnerability to climate change impacts and access to energy services Current policy framework

#### **Climate Mitigation**

Prepare a Baseline **Greenhouse Gas** (GHG) emissions inventory; The inventory determine baseline emissions, identifying main emission sources and reduction opportunities.

#### **Climate Adaptation**

Prepare a Climate Change Risk and Vulnerability Assessment (RVA): Cities conduct an RVA to identify current and future risks to people and assets.

Produce an Access to Energy Assessment (AEA): as a dashboard, to overviewing the local status of electrification and cooking fuels

#### Establisment of the vision, where do we want to go?

> TARGET Elaboration of the plan: how do we get there? >ACTIONS What to consider when designing actions to reach the targets?

#### Climate Mitigation

#### Sectors:

- Buidlings/ Stationary Energy
- Waste

#### **Climate Adaptation**

#### Type of hazards:

- Extreme heat/cold Extreme precipitation / drought
- Floods Sea level rise

#### Sectors:

· Electricity Cooking fuels

#### **Implementation**

Deliver practical actions

#### **Monitoring and** reporting

Signatory cities' commitments

· Review progress and readjust priorities

#### **Every 2 years** after submission local plan

**Progress report** Submission of the document

Year 3 Climate Action Plan Submission of the document









**Commit** to the Global Covenant of Mayors for Climate and Energy.

Join the largest global alliance for city and climate leadership.

**Pledge** to implement policy and undertake measure to reduce greenhouse gas (GHG) emissions, prepare for climate impacts, increase sustainable energy access and track progress towards these objectives.

### Three pillars each with one badge and 3 steps



**737**COMPLIANT CITIES





The Ministry of economy and finance selected

5 Uzbekistan cities to receive GCoM technical support for CAPs development:

Bukhara, Guzar (region), Namangan, Nukus and Urgench

## GCoM support (EU financed) for CAPs development to:



**Central Asia:** 

Kazakhstan, Kyrgyzstan, Uzbekistan

Middle East:

**Oman** 

**Sub Saharan Africa:** 

**Ivory Coast** 

**Pacific Islands:** 

Fiji, Samoa, Solomon Islands





## GCoM cities climate actions need financing

100,000+ climate actions requiring USD 690 billion (EUR 593 billion)



11 million



Urban resilience

reported by GCoM signatories

new green jobs

significantly enhanced

**Increased financing for climate action** 

- 3-6 times the current climate investment
- But there is enough global financing to rapidly reduce emissions
- Developing countries require external funding to meet adaptation needs
- Options are available to scale up financing





to unlock €4 billion

(equal to the GDP of Sierra Leone) 
to transform ambitious city climate ideas into finance-ready projects



www.citygapfund.org

ipcc 💀

## Place within the Project Development Cycle



Enabling Environment

Climate action Planning

Project Definition/Prefeasibility

Project Feasibility Project Structuring

Transaction

Post Implementation

- Designing enabling legislation
- Designing regulatory approaches
- Reforming projectrelevant institutions
- Capacity and consensus building

- Developing climate action plans (CAPs)
- Build on synergies with other initiatives already planned by City
- Tap into local governments networks for best practices/peer-to-peer learning
- Develop a preliminary CAP

   implementation plan by
   identifying and prioritizing a menu of "quick wins"
   climate action projects, medium term and longer term ones
- Get CAP approved by City Council or equivalent body

- Identifying desired outputs for project
- Collect data & compare with alternative projects
- Identify potential budgetary streams in municipal master plan/budget to help prioritize
- Conducting prefeasibility studies

- Performing financial modelling
- Technical options analysis
- Environmental impact assessment
- Socio-economic appraisal
- Other specialist studies

- Assessing project finance options (public, private, PPP etc.)
- Designing legal entities
- Developing technical/engineering designs

- Finalising project finance and legal structure
- Designing and conducting bid process and drafting contracts
- Finalising technical design

- Monitoring of outcomes
- Impact evaluation
- Renegotiating or refinancing project

Critical step to fill in the funding gap cities are facing and attract financing

## **GCoM** Technical support services to cities

Initiation phase - completed

Pre-assessment phase – in process Target setting and action planning - planned

Technical support for projects preparation and bankability

- Securing commitment & mobilisation of municipal departments
- 5 city coordinators appointed - Task force established in all cities
- Key stakeholders engaged

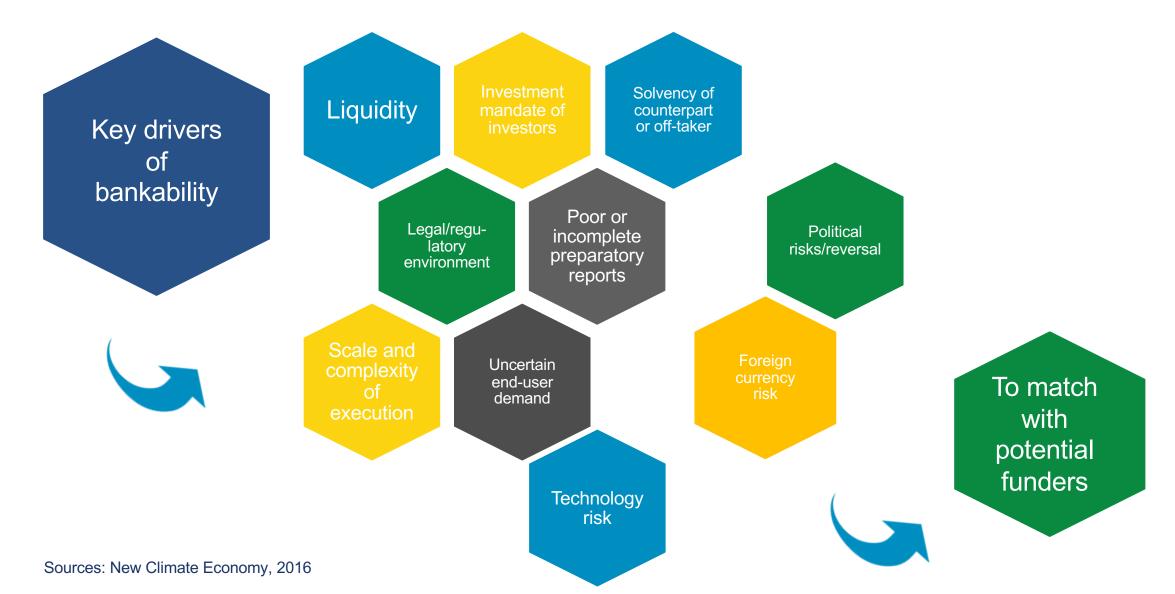
- Data collection for the Baseline Emission Inventory ongoing
- Data collection for the Risk & Vulnerability analysis ongoing
- Access to energy assessment in progress

- Establishing the vision
- Setting goals and targets
- Identifying and prioritising actions

- One pilot project for Uzbekistan (preferably bundled for all five cities)
- One-on-one technical support, pitching and match making with financing/donors organisations.
- Investment Project Concept template

## Enhance bankability to facilitate match making with financial institutions, donors and investors





### What we offer





The City Climate Finance Gap Fund supports cities in developing and emerging countries with early-stage technical assistance for low carbon and climate resilient urbanization plans and projects

- Supporting city climate strategy development
- 2. Providing capacity building
- 3. Supporting the **prioritization of investments**
- 4. Defining project concept definitions
- Supporting a strengthened approach to project financing
- 6. Matchmaking with additional support sources
- 7. Offering potential support to fill in **other project preparation gaps**







## www.citygapfund.org

Frequently Asked Questions (FAQ): citygapfund.org/frequently-asked-questions

Get in touch with the technical secretariat: <a href="https://www.citygapfund.org/contact">www.citygapfund.org/contact</a>

Access materials at the Knowledge Hub: <a href="https://www.citygapfund.org/knowledge-hub-0">www.citygapfund.org/knowledge-hub-0</a>

GCoM: info@globalcovenantofmayors.org



## Ambitious climate action can transform cities



Improved air quality



Greater citizen well-being



Reduced traffic congestion



More attractive for investment



Ensuring key services to all



Energy poverty alleviation





## More information:



www.globalcovenantofmayors.org



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