

Shared Spaces for Urban Innovation

Insights and outcomes from Innovate4Cities Marketplaces



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Shared Spaces for Urban Innovation: Insights and outcomes from Innovate4Cities Marketplaces

This report has been developed by the Global Covenant of Mayors for Climate & Energy (GCoM) and its Research and Innovation Technical Working Group (R+I-TWG) based on the outcomes of Innovate4Cities Marketplaces convened in 2023 in partnership with UN-Habitat and co-hosted with several GCoM alliance partners regionally and globally. It is intended to inform research, policy and public discussions on the global research and action agenda for cities and climate change science. The authors have sought to ensure the accuracy of the material in this document, but they will not be liable for any ramifications incurred through the use of this report.

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Views expressed in this publication do not necessarily reflect those of the Global Covenant of Mayors for Climate & Energy and its alliance partners.

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Selected Acronyms & Abbreviations

- CLGF** – Commonwealth Local Government Forum
- CRIA** – City Research & Innovation Agenda
- eDM** – Electronic Direct Mail
- GCoM** – Global Covenant of Mayors for Climate & Energy
- GRAA** – Global Research & Action Agenda
- I4C** – Innovate4Cities
- ICLEI** – International Council for Local Environmental Initiatives
- IPCC** – Intergovernmental Panel on Climate Change
- MC4C** – Melbourne Centre for Cities
- R+I** – Research & Innovation
- SDG** – Sustainable Development Goal
- TWG** – Technical Working Group
- UCLG** – United Cities and Local Governments
- UNFCCC** – United Nations Framework Convention on Climate Change
- UTM** – Urban Transitions Mission

1. Executive Summary

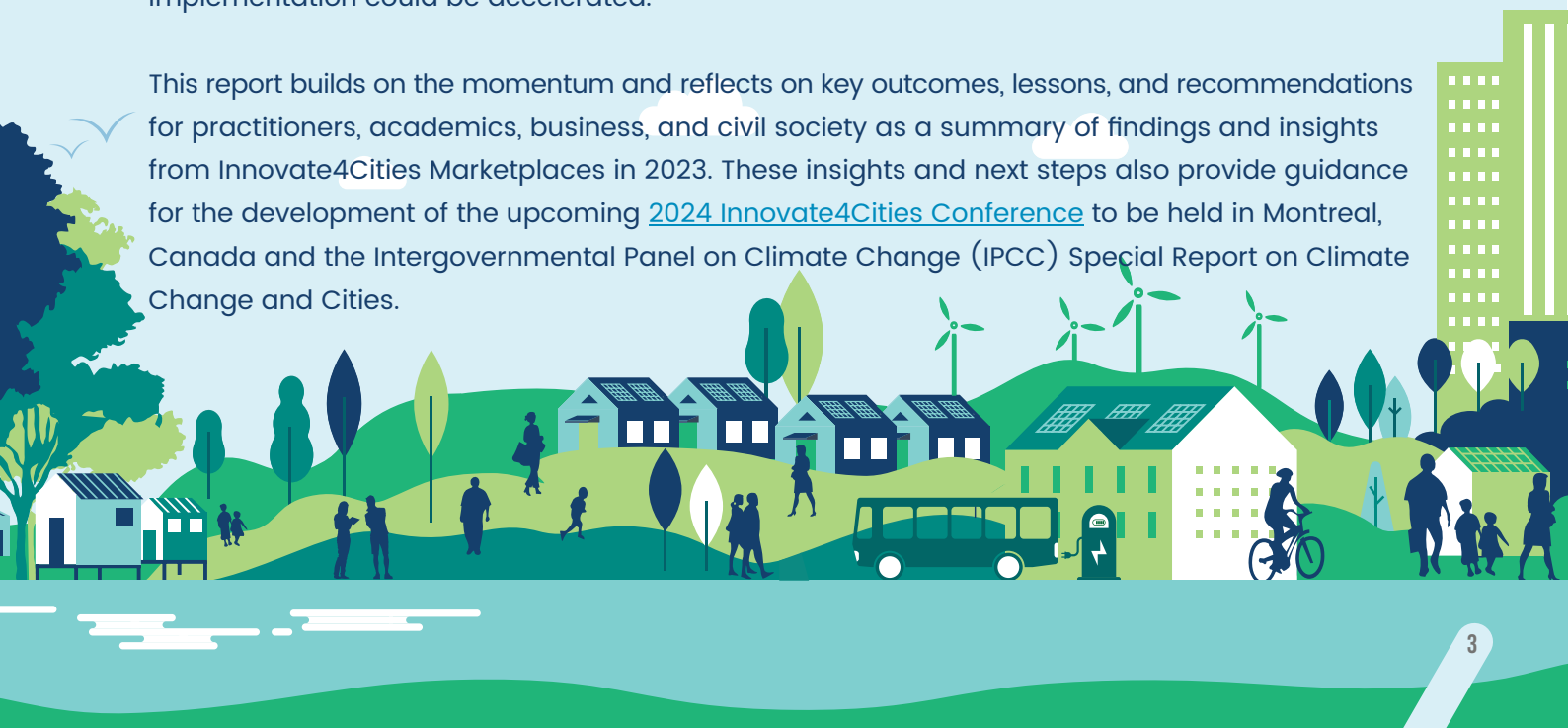
Grounded in the latest research from the Intergovernmental Panel on Climate Change (IPCC), the science is clear: we are far off-track from achieving global climate goals. Climate change demands increasingly urgent transformative action to reduce emissions, meet core human needs, and increase social, energy, and environmental resilience. Cities and local governments can play a crucial role in implementing climate action, but require cross-sector partnership and collaboration to meet the moment.

To support cities in accelerating city climate action, the Global Covenant of Mayors' Innovate4Cities (I4C) initiative convenes leaders across local, regional, and national government, academia, business, and civil society to identify and tackle gaps in knowledge and innovation through its Marketplace and Conference series. Seeing an opportunity to better understand progress on priority gaps since the [2021 Innovate4Cities Conference](#), in 2023 GCoM co-convened a series of Innovate4Cities Marketplaces in partnership with UN-Habitat, leveraging regional and global collaboration and co-creation with cross-sector organizations.

The research and innovation priorities identified via the [Global Research & Action Agenda](#) (GRAA) and the [City Research & Innovation Agenda](#) (CRIA) provide the foundation for Innovate4Cities Marketplaces to tackle the policy, research, and innovation gaps most critical to urban action. Ten regional marketplace/amplification events and one global marketplace over the course of 2023 brought together more than 600 participants and 100 speakers at the nexus of cities, climate change science, and policy innovation to identify critical knowledge gaps and the enabling opportunities for accelerated city climate action.

Across I4C Marketplaces, there were strong calls to better identify, regionalize, and integrate findings from a more diverse set of urban actors—especially business, academia, youth, and marginalized communities—to inform knowledge on how city climate action planning and implementation could be accelerated.

This report builds on the momentum and reflects on key outcomes, lessons, and recommendations for practitioners, academics, business, and civil society as a summary of findings and insights from Innovate4Cities Marketplaces in 2023. These insights and next steps also provide guidance for the development of the upcoming [2024 Innovate4Cities Conference](#) to be held in Montreal, Canada and the Intergovernmental Panel on Climate Change (IPCC) Special Report on Climate Change and Cities.



Highlights from the 2023 Innovate4Cities Global Marketplace plenary sessions



Figure 1: Summary of Discussion, Innovate4Cities Global Marketplace, Day 1

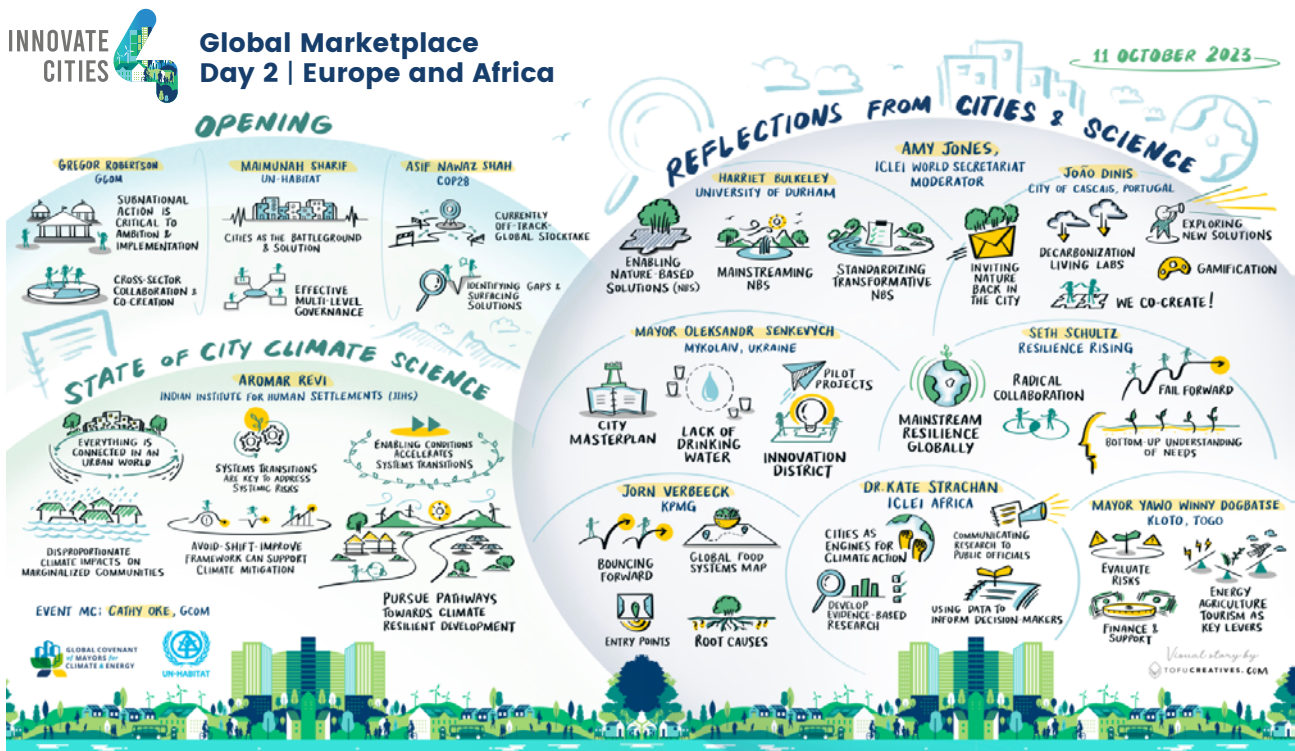


Figure 2: Summary of Discussion, Innovate4Cities Global Marketplace, Day 2

INNOVATE CITIES Global Marketplace
Day 3 | Oceania and Southeast Asia



Figure 3: Summary of Discussion, Innovate4Cities Global Marketplace, Day 3

2. About Innovate4Cities

The science is clear: climate change is the crisis of our time and must be addressed by all sectors of society at unprecedented speed and scale. Impactful consensus at the highest levels of international research on climate science have increased recognition of Paris Agreement aims, the Sustainable Development Goals (SDGs), and the pathways required to achieve them.

Innovate4Cities was catalyzed through the Cities and Climate Change Science Conference held in Edmonton, Canada in 2018—welcoming hundreds of mayors, practitioners, and network partners and rallying them around a shared declaration to reaffirm the need for innovative action, scientific research, and continued city leadership to deliver on the goals of the Paris Agreement. Following this convening and spurred on by the Edmonton Declaration, the Global Covenant of Mayors for Climate and Energy (GCoM) launched its Innovate4Cities initiative, providing a dedicated space for alliance partners to focus on the coordination, generation, and guidance of research and innovation activities in the service of city climate action.

The 2018 Cities and Climate Change Science Conference also produced the foundational evidence base that is now used as the barometer for urban climate research and innovation: the [Global Research and Action Agenda](#) (GRAA, see Figure 4). Organized into topical areas, cross-cutting themes, and enablers for action, for more than a half decade the GRAA has helped scientists, practitioners, and other partners identify existing research, knowledge, and innovation for city climate action—and crucially, pick out the critical gaps that need to be addressed and future research that requires undertaking.



Figure 4: Cross-cutting themes, topical areas, and enablers of the Global Research and Action Agenda

The GCoM alliance complemented the launch of the GRAA with a practitioner-focused [City Research and Innovation Agenda](#), which outlines the broad policy steps that can be taken to transform local ambition into implementation (see Figure 5).



Figure 5: Policy process steps in the City Research and Innovation Agenda (CRIA)

Backed by broad and deep cross-sectoral engagement, Innovate4Cities heeds the call to supercharge efforts towards climate action implementation at local level. The initiative encompasses marquee Conferences and Marketplaces that provide shared spaces for co-creation, opportunities for solution pilots and demonstrations, and the continuous sharing of knowledge that fosters collaboration across the climate action journey—prioritizing both local-to-local and global-to-local partnerships. Through partnership, Innovate4Cities has ushered in a positive feedback cycle of knowledge and convenings that refresh our understanding of priority gaps and accelerate the development of new insights and solutions across levels of government and sectors of society.

Figure 6 highlights the process from 2018–2022, where the co-production of knowledge and the convening of stakeholders at the nexus of cities, climate change science, and policy innovation are paramount—guided by the expertise of the GCoM Research and Innovation Technical Working Group.

The knowledge and opportunities for collaboration that took place throughout 2023 and now follow in 2024 and beyond—as well as how they inform broader processes on policy and science—are crucial next steps towards realizing the full potential of city climate action.

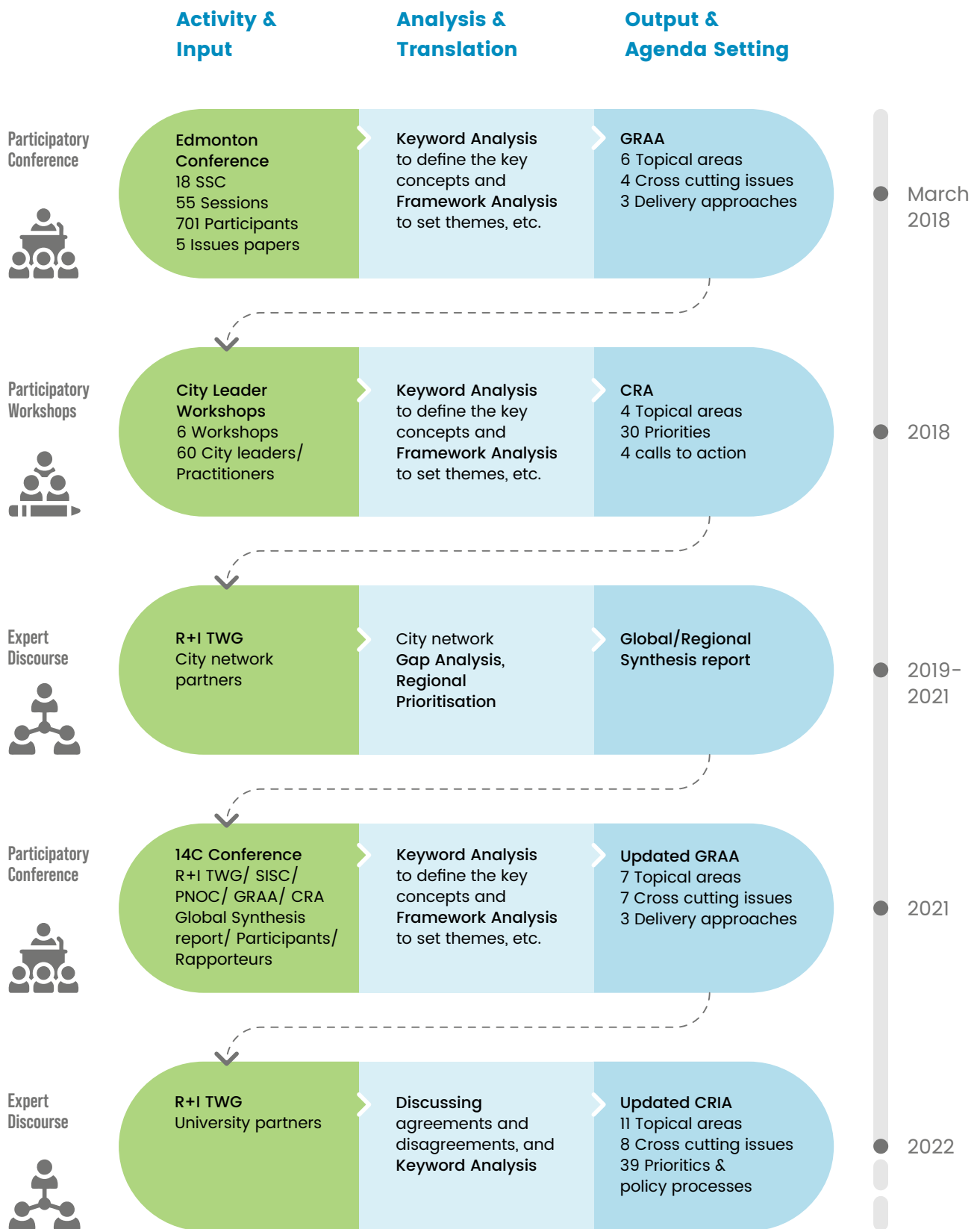


Figure 6: Innovate4Cities Timeline (Source: Oke et al 2022:98 Figure 1.A. Journal City Climate Policy and Economy)

3. Introduction to Innovate4Cities Marketplaces

Building on priorities identified via the [Global Research and Action Agenda \(GRAA\)](#) and the [City Research and Innovation Agenda \(CRIA\)](#), the Innovate4Cities Marketplace is a shared space to connect and match cities, local governments, funders and financiers, academia, and others to tackle the policy, research, and innovation gaps most critical to urban action. The Marketplace catalyzes partnerships to implement need-based city climate actions and solutions that deliver a net-zero, climate-resilient and safe future by identifying urgent needs, gathering knowledge and co-developing solutions. Responding to regional research and innovation priorities, Innovate4Cities Marketplaces connect cities, local governments, and organizations to collaborate on climate action implementation.

Innovate4Cities Marketplaces also provide the opportunity to reflect on the extent to which knowledge gaps identified through the 2021 Innovate4Cities Conference are being addressed at urban level and to promote potential cross-sector partnerships that support city climate action implementation. The 2023 Innovate4Cities Marketplaces leveraged existing regional events to engage with organizations across sectors whose work often involves and/or focuses on cities and climate change—drawing particular attention to themes, constituencies, and sectors that are underrepresented in existing research and innovation agendas.

Innovate4Cities Marketplaces are led by the Global Secretariat of the Global Covenant of Mayors for Climate & Energy (GCoM) in partnership with UN-Habitat and GCoM's Regional and National Covenants. Innovate4Cities Marketplace collaborators also include ICLEI—Local Governments for Sustainability UCLG—United Cities and Local Governments, the University of Melbourne's Melbourne Centre for Cities, the Journal for City Climate Policy and Economy, and members of the GCoM Research and Innovation Technical Working Group. Regional event engagements also saw organizations with a localized focus play leading roles in the delivery of Innovate4Cities Marketplaces, ensuring a two-way global-regional dialogue¹.



¹<https://www.innovate4cities.org/marketplace-calendar/>

Innovate4Cities Marketplaces were brought together by:

- 1. Convening stakeholders:** cities and local governments focused on climate action planning and implementation alongside business, academia, financiers, other levels of government, and other cities—to share needs, ideas, projects, and solutions that can catalyse partnerships focused on local contexts, for long-term collaboration.
- 2. ‘Pitching’ and collaborating:** deep dive conversations to share needs/challenges and explore potential projects, programs and solutions through pitches and discussions.
 - Pitches were often delivered in 3–5 minute ‘quickfire’ formats, aided by general templates, which allowed organizations to identify challenges, solutions, and connections to the priorities in the GRAA and CRIA.
- 3. Co-developing solutions:** after each collaboration event, connections will be developed further (as appropriate) into longer-term partnerships that feed greater city climate action implementation. Implementation priorities are tracked against CRIA and GRAA priorities, and fed into the Innovate4Cities Conference cycle to inform the latest research at the nexus of cities and climate change science.
- 4. Communicating outputs:** tangible results, indicative outcomes, and intermediate achievements generated as a result of Innovate4Cities Marketplaces will be amplified and shared through the [GCoM Resource Library and digital Marketplace](#) for further engagement, as well as via organizing partners.



4. A Global-Regional Approach to Innovate4Cities Marketplaces



Insights reported from the 2021 Innovate4Cities Conference identified three significant key messages:

“ (i) The implementation gap is huge in cities! Need to close this gap with more action—with finance and capacity and well informed by data and diverse voices, (ii) Development, people, justice and equity need to be centred in urban climate solutions, especially adaptation, and (iii) Cities are places of ingenuity, innovation and creativity and can provide the space to catalyze big action on climate change but they need partnerships, collaboration, and money to make that happen. ([I4C, 2022, p38](#))

In 2023, Innovate4Cities Marketplaces responded to this call for greater regional engagement by leveraging outcomes from existing events hosted by strong, locally-grounded partner organizations to co-convene diverse stakeholders who could meaningfully contribute to discussions around gaps and progress on knowledge, research, and innovation at the nexus of cities and climate change. While these events featured specific focal topics, Innovate4Cities Marketplaces served as opportunities to simultaneously broaden and deepen regional event programs through cross-sectoral engagement, while mainstreaming regionally-relevant priorities established through the GRAA and CRIA.

Ten Regional Marketplaces and one three-day Global Marketplace were co-convened in 2023, bringing together more than 600 attendees representing a variety of sectors across a six-month period. Regional Marketplaces often featured political and technical representatives from affiliated local governments, as well as perspectives from business, national government, private sector, and civil society with active roles in the region/country. These engagements helped secure knowledge-focused discussions centered around relevant priority gaps—accompanied by equally relevant action opportunities and solutions.

Needs and solutions across a variety of regional contexts

Solution providers—that is, organizations who came to Innovate4Cities Marketplaces offering responses to local climate and sustainability needs—were often most represented in North American and European contexts, contrasting with the local governments and civil society organizations who approached convenings with concrete needs in countries across the Global South. Ensuring that urban demands are better expressed in Global North contexts and that solution providers from the Global South are more strongly represented are key takeaways for future convenings.

Participants across both global and regional Innovate4Cities Marketplaces highlighted a need to more strongly integrate findings from private sector and academia to better inform knowledge on how they can support city climate action planning and implementation. Of particular note was the need to identify, unlock, and scale innovative financing mechanisms at regional level, as well as knowledge from academic institutions that can bolster understanding of gaps, methodologies to tackle them, enablers for meaningful cross-sector action. Recognition and integration of knowledge that lives outside of academic structures was also called for, in order to bridge and connect diverse perspectives.

Reflections on Marketplace delivery

1. While global and regional Innovate4Cities Marketplaces benefited significantly from diverse cross-sector perspectives, many participants highlighted the need to better integrate knowledge and resources that are produced in non-English languages. Securing this knowledge by empowering knowledge holders in multiple languages—as well as facilitating convenings that allow for multiple language interpretation—can help strengthen the understanding of priority gaps across the GRAA and CRIA.
2. The cross-sectoral breadth and depth in participant demographics reveals a winnowing of the participant base to those actors and stakeholders with the deepest vested interests in the existing dialogue. Breakout rooms at the Innovate4Cities Global Marketplace, for example, could have accommodated additional breadth and depth in voice and background. Ensuring diverse participation—especially when marginalized and/or vulnerable groups can secure greater representation—should remain a goal for convenings.
3. Stronger links to further knowledge generation must be drawn through creating an environment for interaction that extends beyond the Airmeet platform (and/or integrates with existing spaces for ease of access), which was useful for virtual conference exchanges, but does not have the architecture to handle broad, ongoing dialogue development with an easily accessible/modifiable resource library directly embedded in its functionality.

4. A Global-Regional Approach to Innovate4Cities Marketplaces

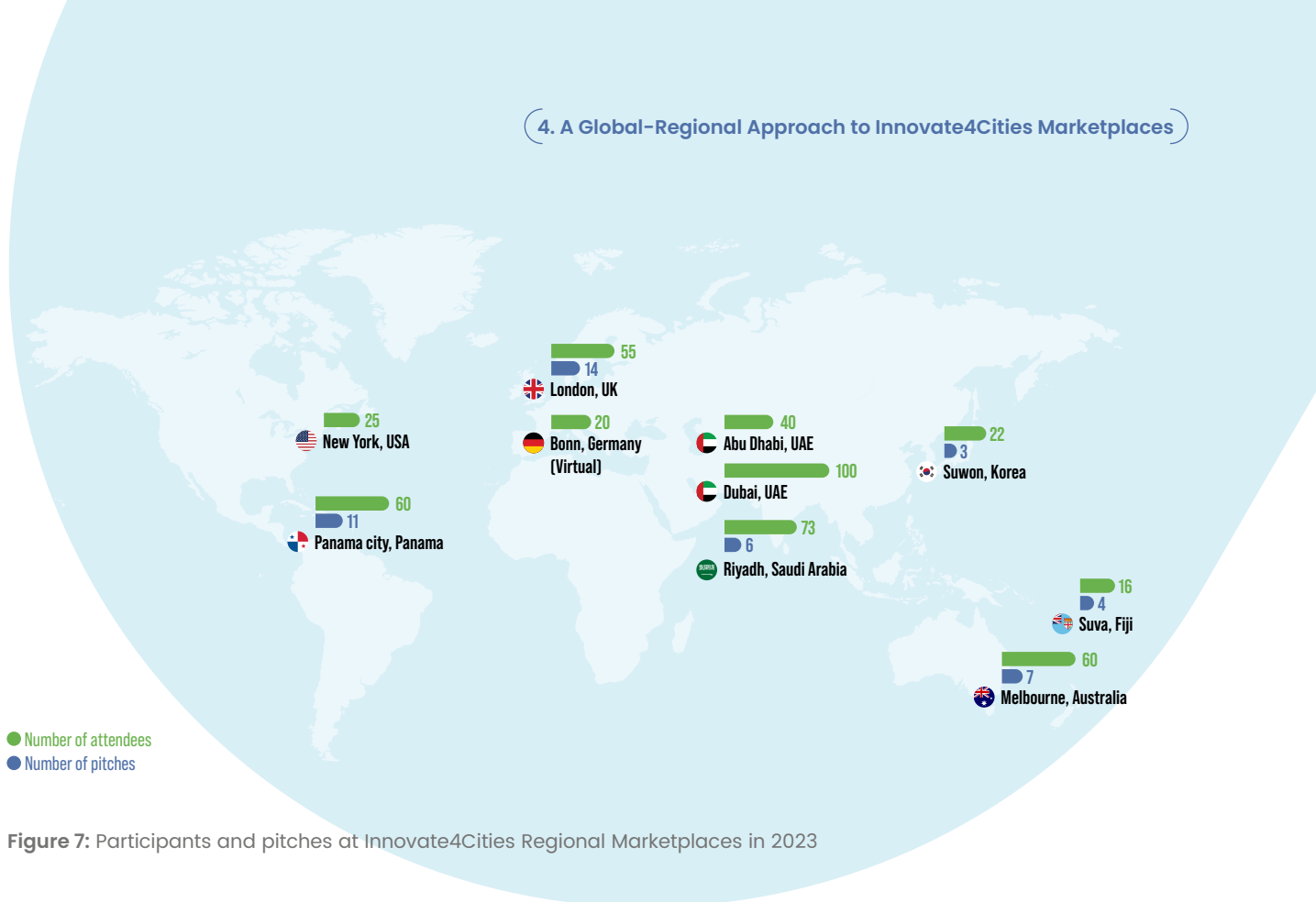


Figure 7: Participants and pitches at Innovate4Cities Regional Marketplaces in 2023

Snapshot: Innovate4Cities Marketplaces by the numbers

1 Global Marketplace (over 3 days)

10 Regional Marketplaces

600+ Participants across all Marketplaces

66 Pitches

90+ Speakers

725 Virtual booth visits during the Global Marketplace

108 Resource library downloads from the Global Marketplace

125 Academic institutions engaged through the Global Marketplace

114 Private sector institutions engaged through the Global Marketplace

86 Civil society organizations engaged through the Global Marketplace

52 Local governments engaged through the Global Marketplace

21 National governments engaged through the Global Marketplace

22 Languages represented at the Global Marketplace

4. A Global-Regional Approach to Innovate4Cities Marketplaces

#	Name of Event	Type of Event	Location	Dates	Host Organization(s)	Convening Partners
1	Climate Innovation Forum	I4C Regional Marketplace	London, UK	28 June, 2023	Climate Innovation Forum	KPMG, GCoM Secretariat, UN-Habitat
2	Pacific Urban Forum	I4C Regional Marketplace	Suva, Fiji	5-7 September, 2023	Pacific Urban Partnership, Pacific Islands Forum	Commonwealth Local Governments Forum, GCoM (Oceania), UN-Habitat, UNESCAP, EAROPH, Home in Place, UNDP, Melbourne Centre for Cities, Monash University, Local2030 Islands Network
3	Climate Summit for Local Government	I4C Regional Marketplace	Melbourne, Australia	6-8 September, 2023	Cities Power Partnership	Ironbark Sustainability, Better Futures Australia, GCoM (Oceania), UN-Habitat
4	Finance & Partnership Roundtable	Amplification event	New York, USA	19 September, 2023	Climate Week NYC	GCoM Secretariat
5	Global Marketplace	I4C Global Marketplace	Virtual	10-12 October, 2023	GCoM Secretariat, UN-Habitat	
6	Urban Transitions Mission Annual Gathering	I4C Regional Marketplace	Riyadh, Saudi Arabia	10 October, 2023	Urban Transitions Mission, UNFCCC Middle East and North Africa Climate Week	
7	Asia-Pacific Urban Forum 8	I4C Regional Marketplace	Suwon, Korea	23-26 October, 2023	GCoM Secretariat, UN-Habitat,	Bloomberg Philanthropies, EU, ICLEI Korea
8	Latin America & Caribbean Climate Week	I4C Regional Marketplace	Panama City, Panama	23-27 October 2023	UNFCCC Latin America and the Caribbean Climate Week	GCoM Secretariat, GCoM Latin America and the Caribbean, UNFCCC Latin America and the Caribbean Climate Week
9	Student Energy Summit	I4C Regional Marketplace	Abu Dhabi, UAE	November 29 - December 1, 2023	Student Energy	GCoM Secretariat, Melbourne Centre for Cities, UN-Habitat
10	COP28	Amplification event	Dubai, UAE	November 30 - December 12, 2023	UNFCCC	GCoM Secretariat, Melbourne Centre for Cities, UN-Habitat

Table 1: Innovate4Cities Marketplace Calendar

Delivering the Innovate4Cities Global Marketplace (virtual)

The Innovate4Cities Global Marketplace was presented as three separate programs so participation was possible across all time zones, noting that content was tailored for audiences within the targeted time zones. A formal opening was followed by a statement on the state of City Climate Science, City and Academic perspectives on research and innovation, a session for digital booth visits and side events. Followed by a sprint session featuring pitches on challenges and solutions for local governments before convening a roundtable of deep-dive discussions, the program concluded each day by reporting back for recap and closing remarks.

Day 1 (Americas): The Urban Transition Mission partnership boosted attendance by at least 14% on Day 1 over Day 2; co-hosting sessions and partnerships bridged a broader network, adding value.

Day 2 (Europe/Africa/Middle East) featured slightly lower attendance than Day 1, but it had the highest participation rate for prospective solution providers, indicative of the success of the private sector engagement at the London event and coordinated outreach and follow-up.

Day 3 (Asia/Pacific) saw figures dropping below half of Day 2, demonstrating a need for further coordination and engagement both within, and between, these two vastly different regions.

1. Marketplace attendance did not fully correlate 100% with the registration figures.
2. Regional marketplace attendance details would enable an analysis of recurring attendance to determine those parties most interested in the I4C Marketplace system.
3. Recurring themes that arose across each day include:
 - Cities at frontline on a trajectory that has strayed off-course from sustainability;
 - Subnational action requires cross-sector and multi-level coordination to identify gaps and deliver solutions;
 - Enabling conditions must be created to resolve adaptation gap/maladaptation and disproportionate impact in marginalized communities, integrating mitigation into system transitions and pathways for climate resilient development.



Preparing for Innovate4Cities Marketplaces

The initial planning around events to align with the GRAA and CRIA in 2023 shows the need to bolster coordination and efforts in mainstreaming the urban development agenda as part of the broader climate response by national-level actors and other sectoral stakeholders, as well as prioritizing the role of partners integrating priority gaps into their existing programmatic topics—helping mainstream key topics and themes.

1. General campaign outreach involved delivering intended regional and sectoral audiences for each event (i.e.—the London Regional Marketplace private sector from Europe, public sector/academia on European-adjacent time zones, the Pacific Urban Forum and Cities Power Partnership were geared towards Oceania and Australia, specifically, etc.).
2. Targeted campaign outreach on an individual basis with members of institutions where existing partnerships have been cultivated over previous years resulted in most of the eventual marketplace programming, particularly concerning moderator/facilitator roles, keynote speakers, and plenary panellists.
3. Scenario pitching (both challenges and solutions) was solicited through a selection process from expressions of interest for the Global Marketplace, and specific outreach to aligned parties (such as targeted letters of invitation to registered attendees of larger events) took place for both the Global Marketplace and Regional Marketplace events.
4. Response and query correspondence was tracked in the process of funnelling all regional participants and 2021 Conference participants who responded to Global Marketplace invitations.



5. Insights from Innovate4Cities Marketplaces

Grounded in the regional and cross-sectoral diversity of participants across Innovate4Cities Marketplaces, a more informed response can now follow the underlying question that brought these convenings into existence: *how have research, knowledge, and innovation gaps evolved since the 2021 Innovate4Cities Conference, and where do we go next?*

Selected insights

Three overarching themes emerged from Innovate4Cities Marketplaces, through which several topical areas and cross-cutting themes from the GRAA featured: the need to strengthen the provision of city-scale data, the challenges of a rapidly-evolving governance landscape, and the growing importance of biodiversity and resilience in urban contexts.



Figure 8: I4C Roundtable, PUF, Suva, Fiji

City-scale data

Local government representatives, civil society organizations, and businesses all mentioned the need for data-driven decision-making, which itself requires stronger data collection and localization. Participants highlighted the opportunity to leverage the expertise and resources of business and civil society in particular as ways to unlock climate data at scale—especially where information on co-benefits can be better understood, allowing climate action to gain traction.

The way in which local governments can further generate revenue and share benefits across their communities—which can greatly enhance the capacity behind sustainability initiatives and projects—was also a key topic, especially in the context of Pacific Small Island Developing States. Data on mobility as well as digital infrastructure development in the broader ‘smart cities’ were also key themes in the Panamanian context, which saw several business and local government stakeholders take part.

Some of the world’s most ambitious cities and local governments were strongly represented in part through the Urban Transitions Mission. At the Global Marketplace kick-off session—with participants dialling-in from Riyadh, Saudi Arabia—the need for data and modelling scenarios was made clear. Demonstrating solutions including digital twins, the use of proxy data from third-party providers, and stronger integration between local government departments featured prominently.

Governance

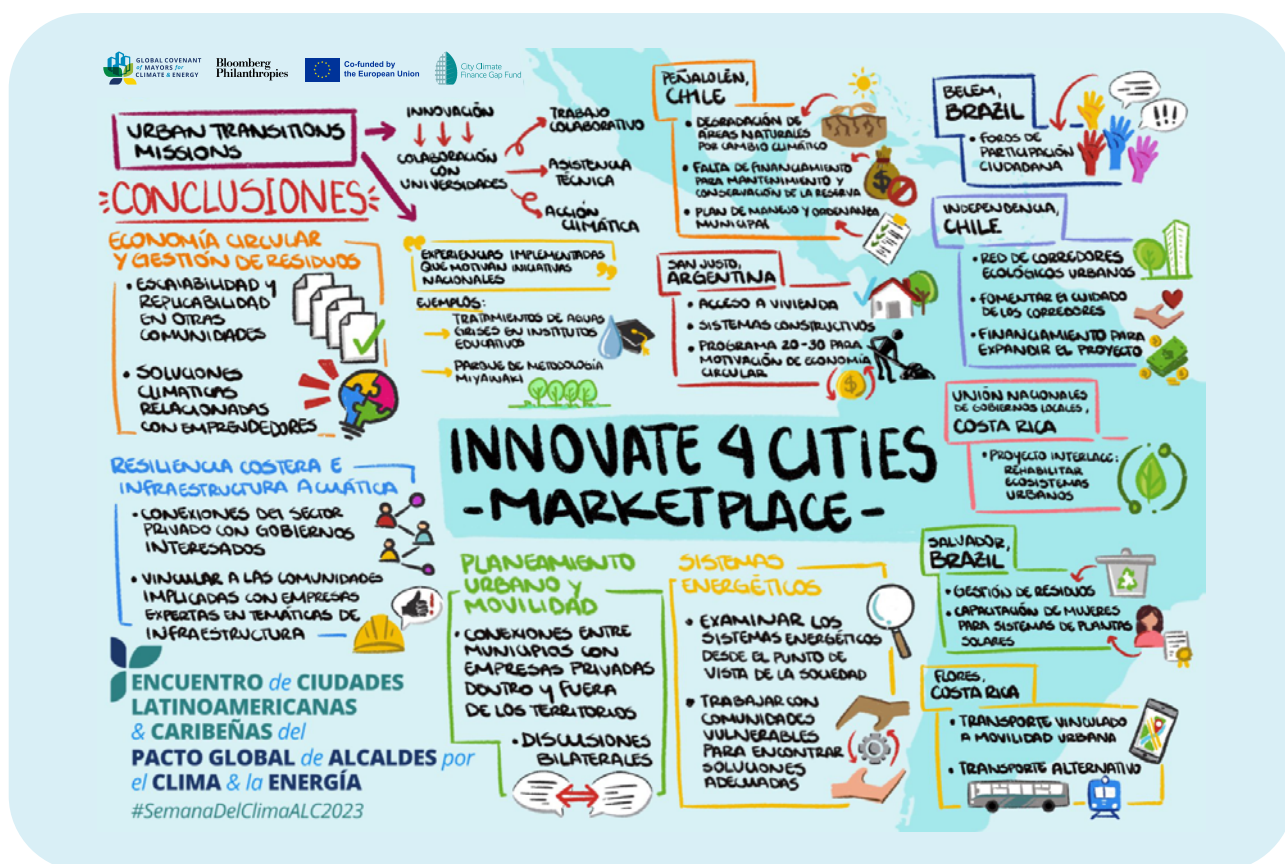


Figure 9: Insights from the 2023 Innovate4Cities Marketplace in Panama City, on the sides of Latin America and the Caribbean Climate Week

Governance mechanisms were among the most-discussed cross-cutting themes across all Regional Marketplaces. In Suva, the challenges of connectivity and coordination due to changing demographics and constrained resources in the Pacific Island context—including in the context of disaster response coordination and risk reduction—were paramount. The need to better link local government priorities to SDGs also arose from the civil society context in Suwon and Melbourne, highlighting opportunities to strengthen accountability, capacity, and communication through engagement with broader priorities and goals. Digital governance in particular emerged as an opportunity to bridge coordination gaps, in turn requiring greater resilience and asset management to safeguard access to online mechanisms and platforms.

Greater vertical and horizontal coordination also featured prominently across Global and Regional Marketplaces, with calls for stronger multi-level governance and coordination to better equip local governments for action that can simultaneously advance national progress on sustainability goals. Small and medium-sized cities, who often are limited in their capacity and resources for climate action, could stand to benefit the greatest from being empowered by national counterparts to plan and act on shared sustainability priorities.



Figure 10: I4C Roundtable Discussion, APUF

The reaffirmed importance of strong and innovative governance—one which successfully navigates ever-increasing complexity and pressure at local level—comes at an opportune time. The launch of the Coalition for High Ambition Multilevel Partnerships (CHAMP) at COP28 in Dubai, UAE—which has amassed commitments from more than 70 countries to-date—represents an opportunity to implement city climate action in tandem with local, regional, and national governments.

Resilience and biodiversity

In Melbourne, local governments and civil society organizations raised needs around connecting First Nations and cultural knowledge to initiatives focused on preserving biodiversity, healthy soils, healthy rivers, and livelihoods—especially in rural areas. Combined with calls for heat mapping to better understand risk and vulnerability profiles across cities and regions, the intertwined opportunity for action on resilience and biodiversity—in part through both traditional and grey literature—has emerged as a clear priority through both Global and Regional Marketplaces.

In Panama City, businesses, civil society, and cities alike focused on the need for urban greening, robust agricultural management, and strengthened water and waste management—policy options which can carry significant co-benefits for community resilience and biodiversity.

Cities from across Latin America and the Caribbean were keen to better understand how these practices—which should continue to leverage traditional and indigenous knowledge—can be better supported by digital technologies, applied in circular economy strategies, and retain a focus on equitable access and distribution.



Below, a summarized table of cross-cutting themes, topical areas, and collaboration mechanisms identified at each of the Regional Marketplaces highlights the diversity of discussions across 2023. Detailed descriptions of Regional Marketplaces are also available in the Appendix.

Event	Primary cross-cutting themes identified	Primary topical areas identified	Collaboration mechanisms identified
London, UK	<ul style="list-style-type: none"> • Governance • Digitalisation • System approach 	<ul style="list-style-type: none"> • Built & green/blue infrastructure (focus on mobility and water) • Sustainable consumption and production (focus on waste and energy poverty) • Urban planning and design • Finance 	<ul style="list-style-type: none"> • Following the summit, 33 entries were logged within the GCoM Resource Library upon its launch, where participants can search for partners that can resolve issues.
Suva, Fiji	<ul style="list-style-type: none"> • Justice & equity (global) • Digitalisation and Smart Cities • City-level models and data 	<ul style="list-style-type: none"> • Finance • Urban planning and design • Informality • Uncertainty • Built & green/blue infrastructure (focus on housing and density) 	<ul style="list-style-type: none"> • Urgent need for local gov't revenue generation/benefit sharing measures. • Within Pacific Small Island Developing States, connectivity and coordination issues abound due to the population distribution trends and constrained ability to mobilize resources to meet decentralized needs. • Database development and data analytics.
Melbourne, Australia	<ul style="list-style-type: none"> • Justice & equity (focus on green job creation) 	<ul style="list-style-type: none"> • Built & green/blue infrastructure (focus on resilience heat mapping, leveraging biodiversity, and net zero actions) • Sustainable consumption and production (focus on waste) • History and cultural heritage (focus on integrating First Nations people into climate action) 	<ul style="list-style-type: none"> • Connections to Sustainable Development Goals (SDGs).
New York, USA	<ul style="list-style-type: none"> • Governance • City-level models and data • System approach • Digitalisation 	<ul style="list-style-type: none"> • Finance • Uncertainty • Built & green/blue infrastructure (focus on housing and density) • Urban planning and design 	<ul style="list-style-type: none"> • Leverage partnerships with reporting platforms and the business community to better tie-in local climate action plans with the opportunity for financing and implementation, especially where projects can be aggregated

Event	Primary cross-cutting themes identified	Primary topical areas identified	Collaboration mechanisms identified
Riyadh, Saudi Arabia	<ul style="list-style-type: none"> • System Approach • Health and Well-being (focus on water and waste management) • City-Level Models & Data (data and scenarios) • Digitalisation and Smart Cities (energy and mobility) 	<ul style="list-style-type: none"> • Built & green/blue Infrastructure (focus on land use, mobility, nature-based solutions, and water) • Sustainable Consumption & Production (focus on nature-based solutions and water) • Urban Planning & Design (focus on energy, mobility, nature-based solutions, and water) 	<ul style="list-style-type: none"> • Identify the alignment in priorities between the UTM structure for knowledge generation and the overlapping considerations of the I4C GRAA/CRIA. • UTM is now calling for Expressions of Interest for its urban research clusters.
Virtual Global Marketplace	<ul style="list-style-type: none"> • All primary cross-cutting themes covered as focus of marketplace 	<ul style="list-style-type: none"> • All primary topical areas covered as focus of marketplace 	<ul style="list-style-type: none"> • Cities at frontline on trajectory off-course. • Subnational action requires cross-sector and multi-level coordination to identify gaps, produce hard and soft knowledge needed to develop pathways that prevent, protect, renature and regenerate territories, and deliver solutions. • Enabling conditions must be created to resolve adaptation gap/maladaptation and disproportionate impact in marginalized communities, integrating mitigation into system transitions and pathways for climate resilient development. • Complex systems require transdisciplinary research to map and mobilize financial, natural, and human resources towards enacting nature-based solutions in cities.
Suwon, Republic of Korea	<ul style="list-style-type: none"> • Digitalisation and Smart Cities (Building technology literacy) • System Approach & Scale (Starting from development – co-benefits through “climate action by stealth”) • Governance (focus on enablers, solutions, and partners for local climate action on SDGs) • City-level Models and Data (Civil society engagement to mobilize action and engage in needed data collection). 	<ul style="list-style-type: none"> • Finance (focus on urban-level action requirement for programs & tools to change behavior) • Uncertainty (Gaps in knowledge needs for local climate and SDG action in Asia-Pacific Region) • Informality (Aggregating experiences of impacts on the ground) 	<ul style="list-style-type: none"> • Disaggregation for deeper learning. • Localizing climate data to city & citizen scale from global > regional > national > local. • Building multi-stakeholder collaborative innovation spaces/networks, and showcase them at Innovate4Cities 2024 Conference.

Event	Primary cross-cutting themes identified	Primary topical areas identified	Collaboration mechanisms identified
Panama City, Panama	<ul style="list-style-type: none"> • System Approach (circular economy, platforms to connect climate start-ups, local government, and markets) • Justice and Equity (focus on equity) • Health and Wellbeing (greening) 	<ul style="list-style-type: none"> • Built & green/blue (focus on nature-based urban rehabilitation, green corridors, green roofs) • Sustainable Consumption & Production (energy efficiency, mobility, agriculture/soil management, water security, plastic waste remediation) • Urban Planning & Design (public space) 	<ul style="list-style-type: none"> • Acknowledgement that matchmaking exercises need to be strengthened, in particular through the engagement of local businesses and repeated opportunities to connect and build relationships. • Cross-sectoral representation was prioritized, especially with the inclusion of indigenous and First Nations people.
Abu Dhabi, UAE	<ul style="list-style-type: none"> • System Approach (including ecosystems approaches) • Justice and Equity (Take a more inclusive and intersectional approach to policy design) • Scale (small and intermediary cities need to be brought into the decision-making process) • Governance (increased collaboration, horizontally and vertically) • City-level Models and Data (downscaling and co-production of knowledge, sharing to enhance capacity) 	<ul style="list-style-type: none"> • Built & green/blue infrastructure • Sustainable Consumption & Production (mobility) • Finance (Better communicate co-benefits of climate action, particularly as a means to increase climate finance) • Urban Planning & Design (public space) 	<p>The Student Energy Summit's program featured three program thematic areas:</p> <ul style="list-style-type: none"> • Reimagining Communities • Reimagining Cities and Industries • Reimagining Progress
Dubai, UAE	<ul style="list-style-type: none"> • System Approach • Justice and Equity • Health and Wellbeing • Digitalisation and Smart Cities • Scale • Governance • City-level Models and Data 	<ul style="list-style-type: none"> • Built & green/blue infrastructure • Sustainable Consumption & Production (mobility) • Finance • Informality • Uncertainty • Urban Planning & Design (public space) 	<ul style="list-style-type: none"> • I4C underscores the importance of all action at the local level that contributes to nationally determined contributions (NDCs). • The I4C presence engaged in framing this dialogue in a manner that connects actors across the existing I4C network with new parties able to further the I4C Research & Innovation agenda and result in local government sustainability action.



6. Recommendations from Innovate4Cities Marketplaces

Forward recommendations for Innovate4Cities priorities

Global and Regional Marketplaces have shed light on some of the progress since the 2021 Innovate4Cities Conference around the appetite for local climate action planning and implementation that addresses priority knowledge gaps. While many of the priority gaps continue to resonate for local governments, urban practitioners, businesses, and academics alike, the Innovate4Cities Marketplaces have provided an opportunity to understand where further attention and resources are needed to effectively advance city climate action where knowledge could be improved.

GCoM and UN-Habitat have identified three knowledge-focused recommendations to operationalize through the 2024 Innovate4Cities Conference and beyond:

I. Expand and streamline the Global Research and Action Agenda and City Research and Innovation Agenda (CRIA) by:

1. Identifying urban knowledge gaps in the topical area(s) of biodiversity, resilience, and youth. Marketplaces in Melbourne, Panama City, and Abu Dhabi surfaced a need for greater attention to these topics. Deepening understanding of the nexus of culture, history, and climate change and cities were also reinforced.

2. Unifying gaps in research, policy, and means of implementation.

Several Marketplaces featured discussions around bringing GRAA and CRIA priority gaps together as one broader set of priorities with varying target audiences and opportunities for collaboration across sectors—and stronger integration of relevant underserved priorities.

3. Raising up non-English language knowledge, especially in Global South contexts.

While discussion of topics and themes were rich, participants across Global and Regional Marketplaces noted a significant opportunity to better understand priorities and knowledge gaps by identifying and enabling non-English language resources, dialogues, and collaboration prospects.

This is especially relevant for cities and local governments in Global South contexts which have historically been less likely to access urban climate research and innovation fora.

II. Accelerate knowledge on finance and implementation mechanisms for city climate action

1. Across virtually all Marketplaces, local governments, businesses, and other stakeholders demonstrated increasing eagerness to understand how to better prioritize actions, identify financing needs and partner organizations, and pursue funding for projects.

III. Better communicate research and innovation at the nexus of cities and climate change science

1. To researchers and academics

As experts at the forefront of climate science, the topical areas and cross-cutting themes of the GRAA, researchers and academics have a profound understanding of what is necessary to meet the goals of the Paris Agreement. Linking the latest practices across government, business, and civil society can further understand how science can more effectively inform local action.

This is especially critical in the context of the Seventh Assessment Report Cycle of the IPCC and the forthcoming Special Report on Climate Change and Cities, where cross-sector knowledge and perspective can enhance both the validity and actionability of climate-related findings in urban areas.

2. To practitioners and policymakers

Closest to practical applications of the latest climate science, practitioners and policymakers face ever-mounting pressures from their constituents and networks to deliver evidence-based action and resources. Making science, knowledge, and collaboration opportunities available effectively—as well as building local capacity to plan for climate action in collaborative, multi-stakeholder approaches can help accelerate action that addresses the gaps identified through the GRAA and CRIA. Ideally, national and regional research funds that invest and support urban climate action and infrastructure could be better aligned to these gaps and priorities.

3. To business leaders and civil society

When cities are seen as hotbeds for innovation, often it is through partnerships with industry and business, or as a result of dialogues with or from civil society partners. The next iterations of the GRAA and CRIA would do well to increase participation of these groups in agenda setting, especially in understanding the enabling, participatory, action orientated mechanisms best suited to their constituencies.

IV. Recommendations for Innovate4Cities convenings

1. Strengthen the inclusiveness of convenings at the nexus of cities, climate change science, and innovation by:

- Deepening the involvement and engagement of actors across (multilevel) government, academia, business, and civil society sectors of society Capture all actors and sectors of society
- Engaging discussion on knowledge gaps and priorities through inclusive technology platforms and 'hybrid' in-person/online formats that mitigate historical barriers to access
- Where possible, offering Interpretation and translation services that enable audiences and actors of all backgrounds to engage in discussion

2. Bolster the interactive digital presence of Innovate4Cities to facilitate dialogue and knowledge generation beyond single events

While in-person/hybrid engagements serve as milestone opportunities to gather the latest knowledge across the GRAA and CRIA, the opportunities for collaboration and research are continuously generated. Engaging the Innovate4Cities community can be explored through:

- The GCoM Resource Library, which contains an online Marketplace of cross-sector collaboration opportunities in addition to tools, case studies, and other resources
- Fostering an ongoing community of practice that continues to share trends and opportunities that address priority gaps in the GRAA and CRIA

3. Partner with media and 'champion' figures to mainstream research and innovation at the nexus of cities and climate science

Raising the profile of the I4C agenda is a multifaceted exercise requiring increasing familiarity with extant needs of local governments the world over. This familiarity may be fostered through bringing together high-profile focal points to represent their cities' needs both locally and on the global stage in the ongoing I4C research and innovation dialogue.



7. Next Steps

Innovate4Cities Marketplaces provided both regional and global opportunities in 2023 to identify, share, and dive into knowledge gaps and opportunities to better strengthen city climate action. Each event facilitated conversation between levels of government, business, academia, and civil society convening to tackle critical gaps in knowledge and innovation for city climate action.

The degree to which Innovate4Cities Marketplaces were utilized at their full potential by those sectoral actors is the core challenge: how do we ensure that cross-sectoral convenings at the nexus of cities climate science, and policy innovation tangibly moves us closer to the solutions and opportunities identified in the GRAA and CRIA? Accelerated action and on-going dialogue, thematic champions, and the use of digital tools are among some of the tactical approaches needed to catalyze the partnerships that can scale up local climate action planning and implementation.

Building on feedback from Regional and Global Marketplaces, Innovate4Cities needs to continue and strengthen its engagements and convenings in-region, especially in non-English language contexts. Alignment with existing events can continue to increase both the depth and breadth of the knowledge and audiences involved, as well as scale up familiarity and engagement with the city-focused research and innovation agendas through the GRAA and CRIA.

To that effect, in 2024 Innovate4Cities seeks to:

- Exercise and realize—where possible and applicable—the recommendations presented in this report through the 2024 Innovate4Cities Conference from 10–12 September 2024 in Montreal, Canada.
- Coordinate presence, engagement, and impact alongside organizers of key global and regional events especially where there are opportunities to build stronger linkages with the academic, business, government, and civil society communities. Allowing for a tailored program and set of outcomes at the forthcoming Innovate4Cities Conference, these events could include, but are not limited to:
 - **UrbanShift Latin America Forum—Belém, Brazil, 16–19 April 2024**
 - Expected to feature participants from cities and national governments across Latin America, engagement here can further deepen regional understandings of city-business collaboration as well as multi-level governance.
 - **ICLEI World Congress—São Paulo, Brazil, 18–21 June 2024**
 - Building on successful collaboration at its previous iteration in Malmö, Sweden in 2022, a co-created Global Research and Innovation Symposium can reaffirm local government needs through urban research and innovation agendas—and solidify the calls to action shared through ICLEI and the broader GCoM alliance. Designed in complement to the 2024 Innovate4Cities Conference, both opportunities can help initiate radical collaboration, support a human needs-based approach to innovation, and continue to bridge the gap between research, practice, and finance.

► **Urban Transitions Mission Annual Summit—Brussels, Belgium, October 2024**

- Leveraging strong inputs from its Riyadh edition, the Urban Transitions Mission—now comprised of 97 ambitious cities on a resilient pathway towards net zero futures—provides an opportunity to share learnings, practices, and opportunities at the forefront of cross-sectoral, people-first city climate action.

► **World Urban Forum—Cairo, Egypt, 4-8 November 2024**

The 29th United Nations Climate Change Conference (COP29)—Baku, Azerbaijan, 11-24 November 2024

- Aligning with the clear themes of governance and systems approaches from Innovate4Cities Marketplaces, COP29 presents an opportunity to build on the ambition of the Coalition for High Ambition Multilevel Partnerships (CHAMP) and begin delivering knowledge and innovations centered around multi-level governance.

► **UCLG World Forum of Intermediary Cities—Cuenca, Ecuador, January 2025**

- An emerging opportunity to directly link the needs of intermediary cities to the soft and hard knowledge needed to implement action and reach goals, including on climate as envisioned through the GRAA and CRIA.

- Better understand the conditions that allow for greater progress across cities and local governments towards gaps in knowledge and action. What works well, and what are the ingredients for a robust deployment of research and innovation for urban action? The panellists, keynote speakers, and moderators who participated in the I4C Marketplace schedule demonstrate the need to seek out and engage individual champions within institutions to motivate a diverse body of people to push forward the urban research and innovation agenda and build towards an effective, regionally-grounded, and 2024 Innovate4Cities Conference.
- Expand online and digital presence, building informal dialogue around challenges and solutions. Building upon the socializing and regionalizing achieved in 2023 to instigate movement in 2024 requires an exploration of linkages between the themes of the GRAA and CRIA and the other institutional conversations being prioritized. Appendix 4 illustrates a sample of the engagement received, and reveals the gaps that remain in what is being offered across thematic areas and delivery approaches. History and cultural heritage are not being adequately linked to the push for digitisation and data-driven decision-making. Systems approaches require both broader and deeper understanding to undertake effective urban planning that deals with the various other cross-cutting and topical themes with sufficient cohesion to create meaning and motivation to act based upon the research findings being delivered by the Innovate4Cities initiative and the broader GCoM alliance of partners.
- Bolster interactions that strengthen the linkages between research and practitioner communities at the nexus of cities, climate science, and policy innovation to the greatest degree resources allow. Coordination across the GCoM alliance and a broader set of involved partners should be strengthened in the interest of understanding the community-level action in need of support. The Innovate4Cities initiative now embodies broad engagement of local actors globally; finding the right mix of virtual and in-person engagements that generate knowledge and partnership will be key to sustaining dialogue and progress against the aims of the GRAA and CRIA.

Appendix



Appendix 1: Global Marketplace Planning Coordination & Web Presence

Date	Task
Friday 23 June	Meeting #1
Monday 26 June	Website Updates #1
Tuesday 27 June	Set up Registration platform (Eventbrite)
Tuesday 4 July	Meeting #2
Tuesday 4 July	Confirm Client's communication system
Wednesday 5 July	eDM #1 draft
Tuesday 11 July	Airmeet design options to committee
Thursday 13 July	Project Check-In
Thursday 13 July	Meeting #3
Friday 14 July	Platform Decisions
Friday 14 July	Partnership Prospectus
Friday 21 July	Airmeet design updates and confirmation
Monday 24 July	eDM #1 – Invitation to Register
Monday 24 July	Website Updates #2 – Program
Monday 24 July	Innovate4Cities email confirmation
Thursday 27 July	Meeting #4 – Project Check-In
Tuesday 8 August	Airmeet – virtual room set up
Thursday 10 August	Meeting #5
Thursday 17 August	eDM #2 – Invitation to Register, Pitch Form, & Partnership Prospectus
Thursday 24 August	Meeting #6
Friday 25 August	Global Marketplace Supporting Partner Pack confirmed
Monday 28 August	Supporting Partner Pack distributed
Monday 28 August	Partner Booth build begins
Thursday 7 September	Meeting #7
Thursday 31 August	Global Marketplace Exhibitor Instructions confirmed
Friday 1 September	Airmeet platform OPEN
Friday 1 September	Exhibitor Instructions sent to Supporting Partners
Tuesday 5 September	Letter of Confirmation sent to speakers
Friday 8 September	eDM #3 – Partnership Prospectus reminder
Monday 11 September	Airmeet Technical Briefings Notes & Speaker Consent sent to speakers
Wednesday 13 September	Speaker briefing & speaking time calendar invites sent to speakers
Thursday 14 September	Meeting #8
Friday 15 September	eDM #4 – Attendee Platform Access to Registered attendees
Tuesday 19 September	Session run sheets drafted
Thursday 21 September	Meeting #9
Monday 25 September	Prep/create event survey

Date	Task
Wednesday 27 September	Supporting Partner Briefing Reminder email
Thursday 28 September	Meeting #10
Thursday 28 September	Speaker Briefing Reminder email
Monday 2 October	Run sheets sent to speakers
Tuesday 3 October	eDM #5 – Event Reminder
Tuesday 3 October	Online Speaker Briefings #1
Wednesday 4 October	Online Speaker Briefings #2
Thursday 5 October	Online Speaker Briefings #3
Thursday 5 October	Supporting Partner Briefing #1
Thursday 5 October	Meeting #11
Friday 6 October	Speaker reminder + briefing recording
Friday 6 October	Supporting Partner reminder + briefing recording
Tuesday 10 October	EVENT DAY
Wednesday 11 October	EVENT DAY
Thursday 12 October	EVENT DAY
Friday 13 October	eDM #6 – Thank You & Survey

The I4C web presence has thus far included the following core representation online:

- I. The [Innovate4cities.org](https://innovate4cities.org) website has been designed to deliver content geared primarily towards the Global Marketplace. Now it is concluded, and preparations are needed to update the website for the 2024 Innovate4Cities Conference to properly inform all visitors of what the forthcoming event will entail, including events planned in the lead-up to the 2024 Conference.
- II. Current positioning of I4C on the GCoM website includes I4C content on the following pages: [Innovate4Cities \(Research & Innovation\)](#), including [supporting documents](#) and [Newsroom](#), the general [Research](#) page, and the [Resources](#) page leads to the [I4C Marketplace](#).
- III. UN-Habitat website I4C content primarily references [I4C Conference material](#), with corresponding [News](#), but little mention is made of I4C beyond a [news item](#).
- IV. I4C social media presence includes posts from partners on [LinkedIn](#), [Twitter](#), [Instagram](#), and [Facebook](#), but not any dedicated social media account(s) or continuous web identity of its own.
- V. Airmeet [Global Marketplace archive](#) will require transference to the I4C website prior to the event's expiration on the platform.
- VI. Google Trends—over the past five years, Jan. 30th – Feb 5th, 2022, has proven the most popular period for Innovate4Cities searches, with June 4th – 10th, 2023 closely following. There is not enough data when searching with “Marketplace” or “Global Marketplace” included in the search field, nor is there enough data to provide a breakdown of search trends by region.

Appendix 2: GRAA/CRIA Alignment with the SDGs



Figure 10: How do CRIA delivery approaches align with the SDGs?



Figure 11: How do CRIA topical themes align with the SDGs?



Figure 12: How do CRIA cross-cutting themes align with the SDGs?

Appendix 3: Marketplace Participation Snapshot

Program Role	Day 1	Day 2	Day 3
Event MC	Benjamin Jance IV , Head of Research and Innovation, GCoM	Benjamin Jance IV , Head of Research and Innovation, GCoM	Prof. Cathy Oke , Deputy Director Melbourne Centre for Cities, University of Melbourne
Plenary Panel Moderator	Steven Bland , UN-Habitat	Amy Jones , ICLEI World Secretariat	Sharin Govender , ICLEI Oceania
Formal Opening	Gregor Robertson , Global Ambassador, GCoM Maimunah Mohd Sharif , Executive Director of the United Nations Human Settlements Programme (UN-Habitat)	Gregor Robertson , Global Ambassador, GCoM Maimunah Mohd Sharif , Executive Director of the United Nations Human Settlements Programme (UN-Habitat)	Gregor Robertson , Global Ambassador, GCoM Maimunah Mohd Sharif , Executive Director of the United Nations Human Settlements Programme (UN-Habitat)
Innovate4 Cities Re-cap	Asif Nawaz Shah , COP28	Asif Nawaz Shah , COP28	Asif Nawaz Shah , COP28
State of City Climate Science Keynote	William Solecki , Professor, Earth and Environmental Sciences, City University of New York-Hunter College	Aromar Revi , Director, Indian Institute for Human Settlements (IHS)	Aromar Revi , Director, Indian Institute for Human Settlements (IHS)
City and Academic Perspectives on Research and Innovation for Cities and Local Government Climate Action	CamGuthrie , Mayor of Guelph, Ontario, Canada Carolina Basualdo , Mayor of Despeñaderos, Argentina Laura Gallardo , Universidad de Chile Megan Meaney , ICLEI Canada Dan Carol , Milken Institute	Yawo Winny Dogbatse , Mayor of Kloto, Togo Harriet Bulkeley , University of Durham Oleksandr Senkevych , Mayor of Mykolaiv, Ukraine Joana Balsemao , Councilor, City of Cascais, Portugal Dr. Kate Strachan , ICLEI Africa's Manager for Climate Resilient Development Jorn Verbeek , KPMG Seth Schultz , Resilience Rising	Anna Reynolds , Mayor of Hobart, Tasmania, Australia Abigail Binay , Mayor of Makati City, Philippines Portia Odell , Climate Council. Bernhard Barth , UN-Habitat Giles Sioen , Future Earth
Sprint Session Pitch Presentations	Emily White , C40 Cities, <i>A Guide to Public-Private Collaboration for Sustainable Urban Development</i> Chris Boreland , Fugro Shakti Ramkumar , Student Energy Martin Wainstein , Open Earth Foundation Daniel Andres , Municipality of Puerto Montt, Los Lagos Region, Chile Andrés F. Lanfranco , Municipio de Rio Cuarto Paul Adlakha , LOOKNorth Peter Croce , Probable Futures	Mr. Pascal Mugisha , Kampala Capital City Authority Giulia Ulpiani , European Commission – Joint Research Centre Unit C.2 Energy Efficiency and Renewables Jessie Press-Williams , Cities Climate Finance Leadership Alliance – Enabling Framework Conditions Scorecard: CCFLA and partners are developing a scorecard that helps assess the subnational government's ability to access climate finance and provide recommendations. This scorecard is under testing in Indian and Indonesian cities. Dr. Amos Obi , Hetaved Skills Academy for Innovation and Entrepreneurship Natalia Kuniewicz , SatVu Laura Parry , CDP Dr. Mashael Yazdanie , Resilient and sustainable urban energy systems planning under uncertainty and climate change Mr. Steven Wilding , London Borough of Hounslow Tamlyn Shimizu , BABLE Smart Cities – an online Smart City solutions knowledge platform is free to join and use and provides companies and cities with information and inspiration on urban green effective and practical solutions. Mr. Simon Turek , Arctica Partners Mr. Himesh Patel , Sync Neural Genesis AG Ahmed Abu Ismaiel , Municipality of Abasan Al-Kabira Dr. Abdi Yuya , Adama Sciences and Technology University William Lewis , Basque Centre for Climate Change (Bc3)	Andrew Irvin (on behalf of Mohammed Anees Khan , Lautoka City Council) Eritina Benete , Ministry of Internal Affairs, Kiribati Michael Oke , City of Yarra Michele Suria , Woke Prof. Beta Paramita , BeCool Indonesia Sally MacAdams , Climate Emergency Australia

Table 1: Global Marketplace Panelists, Speakers, and Moderators

Session name	Day 1	Day 2	Day 3
UTM in Action: brokering solutions and connecting innovation leaders & providers via Innovate4Cities ²	73	-	-
Opening Keynote and Plenary Session	64	56	28
Sprint Session	55	48	17
Report back from Roundtable discussions	48	39	14
Podcast Release – City Climate Innovation: Special episode of the Climate Talks podcast (City of Guelph, Ontario, Canada)	14	-	-

Table 2: Global Marketplace Virtual Session Attendance

Event Location (#)	Selected Speakers, Panellists, and Moderators (non-exhaustive list)	Pitches (#)	Attendees (#)
1 London, UK	Cllr. Susan Aitken , Leader of the Council, Glasgow City Council Steve Turner , Director, 3Ci Rachel Huxley , Director of Knowledge and Research, C40 Cities Moderated by Jorn Verbeek , Net Zero Urban Program Lead , KPMG	14	55
2 Suva, Fiji	Moderated by Andrew Irvin , Project Officer in Urban Innovation, MC4C Eritina Benete and Mere Teemaia , Ministry of Internal Affairs, Kiribati	4	16
3 Melbourne, Australia	Anna Reynolds , Lord Mayor of the City of Hobart, Tasmania, Australia, GCoM Board Member Abby Binay , Mayor of the City of Makati, Philippines, GCoM Board Member Benjamin Jance IV , Head of Research and Innovation, GCoM Global Secretariat	7	60
4 New York, USA	Benjamin Jance IV , Head of Research and Innovation, GCoM Global Secretariat	0	25
5 Riyadh, Saudi Arabia	Giorgia Rambelli , Director, Urban Transitions Mission Gregor Robertson , Global Ambassador, GCoM Benjamin Jance IV , Head of Research and Innovation, GCoM Global Secretariat Heli Huuskonen , Project Manager, City of Turku, Finland João Dinis , Head of Accelerating Urban Transition Office, Cascais Ambiente, Portugal Peter El Hajji , Digital Twins Lead, Net Zero Urban Program, KMPG	6	73
6 Suwon, Korea	Bonghee Son , ICLEI & GCoM Korea Pourya Salehi , Head Urban Research, Innovation, and Development, ICLEI World Secretariat and Co-Chair, GCoM R+I TWG Prof. Cathy Oke Special Advisor, GCoM Global Secretariat/ MC4C	3	22
7 Virtual / Bonn, Germany	Benjamin Jance IV , Head of Research and Innovation, GCoM Global Secretariat Pourya Salehi , Head Urban Research, Innovation, and Development, ICLEI World Secretariat and Co-Chair, GCoM R+I TWG Giulia Melica , Scientific Officer, European Commission Joint Research Centre and Co-Chair, GCoM R+I TWG	0	20
8 Panama City, Panama	Gonzalo Durán , Mayor of Independencia, Chile , GCoM Latin America Mayors Forum Oscar Prat , Business Matchmaking Lead, GCoM Global Secretariat Piero Remitti , Co-managing Director, GCoM Global Secretariat	11	60
9 Abu Dhabi, UAE	Benjamin Jance IV , Head of Research and Innovation, GCoM Global Secretariat Prof. Cathy Oke Special Advisor, GCoM Global Secretariat/ MC4C	0	40
10 Dubai, UAE	Benjamin Jance IV , Head of Research and Innovation, GCoM Global Secretariat Prof. Cathy Oke , Special Advisor, GCoM Global Secretariat/ MC4C	0	100
TOTAL		36	388

Table 3: Regional Marketplace & Amplification Event program attendance

² Counted in Riyadh amplification event.

Appendix 4: APUF—Suwon, Korea—Full Digitized notes & GRAA/CRIA Mapped Slido Responses

1. Civil society engagement to mobilize action, and engage in needed data collection.
2. Financing urban-level action requires incentive programs & tools to change behaviour.
3. Gaps in knowledge needs for local climate and SDG action in Asia-Pacific Region
 - a. Most accurate ways to downscale climate change projections at a city level.
 - b. Innovative ways to conduct climate impact modelling.
 - c. Improve satellite data of GHG emissions accounted at city level.
 - d. Convenient ways to collect city level spatial data through remote sensing.
 - e. Appropriate data that will address the climate change, resiliency, and focus on action.
 - f. Easy to reach platform that allows all the community, including impoverished, vulnerable people, to have general information on climate change and SDGs.
 - g. Community perceptions and participation towards SDGs.
 - h. Lack of mechanism to raise capacity for integrating climate issues into local policies, planning, and implementation.
 - i. Evidence base of data to determine incentives to supply subsidies and financing for sustainable investment.
 - j. Easier access to information by households regarding urban farming and achieving individual food security.
 - k. Data collection and management for GHG inventory and vulnerability assessment.
 - l. Data reporting, repackaging city indicators for international standards.
 - m. Scaling emissions measurement in large areas of issue with complex data ecosystems/indices/KPIs (how do we harmonize indicators?).
 - n. Lack of citizen awareness regarding waste management and recycling.
 - o. Examples and cases suitable for certain local contexts:
 - Energy transition for cities, rural areas, and industrial areas
 - p. Lack of mechanism to raise capacity for integrating climate issues into local policies, planning, and implementation.
 - q. Community perceptions and participation towards SDGs.
 - r. How do island councils effectively implement climate actions?
 - s. National policy directing local governments to allocate a certain percentage from the local revenues to various programs/priorities.
 - t. Capacity building to local government.
 - u. Be with the community to gather real data and have constant consultations able to engage all in plans of action.
 - v. Localization of the action plans.
 - w. Prioritization of the programs that will focus on pressing needs towards SDGs.
 - x. Strong and sustainable collaboration in implementing the programs for better climate actions.
 - y. Incentive programs (e.g.—monetary) from national government to achieve goals/standards included in plans.

4. Enablers, Solutions, and Partners for local climate action and SDGs

- a. Building technology literacy:
 - Showcasing real-world value of science & technology to local government decision-makers
 - Continuity of partnerships for capacity building
 - Awareness and cultural change
- b. Aggregating experiences of impacts on the ground:
 - Integrating mental health considerations
- c. Disaggregation for deeper learning:
 - Disadvantaged gender, youth, people with disabilities, etc.
- d. Localizing climate data to city & citizen scale from global>regional>national>local:
 - Open science standards & indicators
 - Linking nationally/regionally where scales are efficient (e.g., climate finance)
- e. Starting from development – co-benefits through “climate action by stealth”:
 - Resourcing strategic master planning
 - Break down institutional silos
 - Practical solutions serve citizen priorities
- f. Building multistakeholder collaborative innovation spaces/networks:
 - How-to guides to navigate governments
 - Urban observatories
 - Demonstration hubs
 - Citizen engagement standards improved throughout project implementation.
 - Localizing economic benefits

5. Other opportunities and ideas to showcase city research, innovation, challenges, etc. at the Innovate4Cities 2024 Conference

- a. Co-creation as an enabling approach (which is oftentimes overlooked):
 - Policymakers, R&I communities, citizens
 - Co-identification of problems
 - Co-development of policies & solutions
- b. Leveraging social/faith/religious values to collectively achieve global goals.
- c. Leveraging grassroots knowledge of local people and feed them into sustainability & resilience planning and policymaking processes.
- d. (Knowledge gap) lack of enough consideration to geographic features of mountainous cities in climate and sustainability planning and policy discourses (e.g.—as opposed to coastal cities).
- e. Downscaling climate models to capacitate cities in their journey to ensure they don't reinvent the wheel.
- f. Support cities to enhance bankability of their projects through different tools.
- g. (Challenge) lack of consistency in financing tools, instruments, frameworks, and checklists across different financing entities.
- h. Multi-level collaboration across different levels of governments to maximize cities' access to financial resources within their countries as well as their access to international funds.

Delivery Approaches

Empowering Cities to Take Action	Partnerships for Long-Term Collaboration	Co-production of Knowledge
<p>• To accelerate Mainstreaming and integrating of Climate, Health and or equity into policies and strategies. These are two gaps/or challenges out of other challenges we face in PNG. 1. Capacity Building – people or communities needs to be educated in the space of Mitigation and Adaptation activities on the scientific research information's. 2. Accessing Data – need to establish a dedicated hub/or platform for data management e.g. establish a Oceania hub.</p>	<p>• To accelerate Mainstreaming and integrating of Climate, Health and or equity into policies and strategies. These are two gaps/or challenges out of other challenges we face in PNG. 1. Capacity Building – people or communities needs to be educated in the space of Mitigation and Adaptation activities on the scientific research information's. 2. Accessing Data – need to establish a dedicated hub/or platform for data management e.g. establish a Oceania hub.</p>	<p>• To accelerate Mainstreaming and integrating of Climate, Health and or equity into policies and strategies. These are two gaps/or challenges out of other challenges we face in PNG. 1. Capacity Building – people or communities needs to be educated in the space of Mitigation and Adaptation activities on the scientific research information's. 2. Accessing Data – need to establish a dedicated hub/or platform for data management e.g. establish a Oceania hub.</p>
<p>There are a lot of data collected already but no analysis done and this is a gap to access fundings to finance ambitions into actions.</p>	<p>Mitigation and adaptation strategy seems working in silos.</p>	<p>Mitigation and adaptation strategy seems working in silos.</p>
<p>Health is not a priority, they gov prefer to do infrastructure development more.</p>	<p>Lack of transparency and linkage of health data and climate change.</p>	<p>Evidence-based research related to the co-benefits of climate change and health.</p>
<p>Implementation research. We need to focus less on haracterizing the problem and more research needed on how to fix the problem, technological solutions, implementing programs etc.</p>	<p>Implementation research. We need to focus less on haracterizing the problem and more research needed on how to fix the problem, technological solutions, implementing programs etc.</p>	<p>Information and data gaps for tracking success of mitigation and adaptation actions as well as to compare to targets/ambitions set.</p>

* Each cell represents one unique participant response.

Topical Themes

Sustainable Consumption & Production	Finance	Informality	Uncertainty	Urban Planning & Design	History & Cultural Heritage	Built & Green/Blue Infrastructure
<p>Role of urban sorawk on reducing our carbon footprint.</p>	<p>There are a lot of data collected already but no analysis done and this is a gap to access fundings to finance ambitions into actions.</p> <p>Limited in country capacity in the Micronesia Region to implement mitigation actions and to meet NDC goals.</p>	<p>Lack of transparency and linkage of health data and climate change.</p> <p>No policies to guide and no one saw the connection between health and climate.</p>	<p>Information and data gaps for tracking success of mitigation and adaptation actions as well as to compare to targets/ambitions set.</p> <p>Lack of capacity in terms of getting information and data as too may technical words.</p> <p>Climate change adversely impact on the Kiribati population</p>	<p>• To accelerate Mainstreaming and integrating of Climate, Health and or equity into policies and strategies. These are two gaps/or challenges out of other challenges we face in PNG. 1. Capacity Building – people or communities needs to be educated in the space of Mitigation and Adaptation activities on the scientific research information's. 2. Accessing Data – need to establish a dedicated hub/or platform for data management e.g. establish a Oceania hub.</p> <p>Role of urban sorawk on reducing our carbon footprint.</p> <p>Implementation research. We need to focus less on haracterizing the problem and more research needed on how to fix the problem, technological solutions, implementing programs etc.</p>	<p>–</p>	<p>• To accelerate Mainstreaming and integrating of Climate, Health and or equity into policies and strategies. These are two gaps/or challenges out of other challenges we face in PNG. 1. Capacity Building – people or communities needs to be educated in the space of Mitigation and Adaptation activities on the scientific research information's. 2. Accessing Data – need to establish a dedicated hub/or platform for data management e.g. establish a Oceania hub.</p> <p>Health is not a priority, they gov prefer to do infrastructure development more.</p>

* Each cell represents one unique participant response.

Cross-cutting Themes

City-level Models & Data	Health	Systems Approaches	Digitisation	Scale	Governance	Justice & Equity
<p>• To accelerate Mainstreaming and integrating of Climate, Health and or equity into policies and strategies. These are two gaps/or challenges out of other challenges we face in PNG.</p> <p>1. Capacity Building – people or communities needs to be educated in the space of Mitigation and Adaptation activities on the scientific research information's.</p> <p>2. Accessing Data – need to establish a dedicated hub/or platform for data management e.g. establish a Oceania hub.</p>	<p>• To accelerate Mainstreaming and integrating of Climate, Health and or equity into policies and strategies. These are two gaps/or challenges out of other challenges we face in PNG.</p> <p>1. Capacity Building – people or communities needs to be educated in the space of Mitigation and Adaptation activities on the scientific research information's.</p> <p>2. Accessing Data – need to establish a dedicated hub/or platform for data management e.g. establish a Oceania hub.</p>	<p>• To accelerate Mainstreaming and integrating of Climate, Health and or equity into policies and strategies. These are two gaps/or challenges out of other challenges we face in PNG.</p> <p>1. Capacity Building – people or communities needs to be educated in the space of Mitigation and Adaptation activities on the scientific research information's.</p> <p>2. Accessing Data – need to establish a dedicated hub/or platform for data management e.g. establish a Oceania hub.</p>	<p>• To accelerate Mainstreaming and integrating of Climate, Health and or equity into policies and strategies. These are two gaps/or challenges out of other challenges we face in PNG.</p> <p>1. Capacity Building – people or communities needs to be educated in the space of Mitigation and Adaptation activities on the scientific research information's.</p> <p>2. Accessing Data – need to establish a dedicated hub/or platform for data management e.g. establish a Oceania hub.</p>	<p>Role of urban sprawl on reducing our carbon footprint.</p> <p>Climate change adversely impact on the Kiribati population.</p>	<p>• To accelerate Mainstreaming and integrating of Climate, Health and or equity into policies and strategies. These are two gaps/or challenges out of other challenges we face in PNG.</p> <p>1. Capacity Building – people or communities needs to be educated in the space of Mitigation and Adaptation activities on the scientific research information's.</p> <p>2. Accessing Data – need to establish a dedicated hub/or platform for data management e.g. establish a Oceania hub.</p>	<p>• To accelerate Mainstreaming and integrating of Climate, Health and or equity into policies and strategies. These are two gaps/or challenges out of other challenges we face in PNG.</p> <p>1. Capacity Building – people or communities needs to be educated in the space of Mitigation and Adaptation activities on the scientific research information's.</p> <p>2. Accessing Data – need to establish a dedicated hub/or platform for data management e.g. establish a Oceania hub.</p>
<p>There are a lot of data collected already but no analysis done and this is a gap to access fundings to finance ambitions into actions.</p>	<p>As people of low lying atolls nation(Marshall Islands). The Marshallese face an existential threats from climate change impact specifically sea level rise. Nuclear legacy affect health in my country.</p>	<p>There are a lot of data collected already but no analysis done and this is a gap to access fundings to finance ambitions into actions.</p>	<p>Information and data gaps for tracking success of mitigation and adaptation actions as well as to compare to targets/ ambitions set.</p>		<p>Mitigation and adaptation strategy seems working in silos.</p>	<p>As people of low lying atolls nation. The Marshallese face an existential threats from climate change impact specifically sea level rise. Nuclear legacy affect health in my country. (Marshall Islands)</p>
<p>Information and data gaps for tracking success of mitigation and adaptation actions as well as to compare to targets/ ambitions set.</p>	<p>Health worker capacity with climate change practices.</p>	<p>Mitigation and adaptation strategy seems working in silos.</p>			<p>Limited in country capacity in the Micronesian Region to implement mitigation actions and to meet NDC goals.</p>	
<p>Lack of capacity in terms of getting information and data as too may technical words.</p>	<p>Primary healthcare service responding to climate change impact.</p>	<p>Limited in country capacity in the Micronesian Region to implement mitigation actions and to meet NDC goals.</p>			<p>Health is not a priority, they gov prefer to do infrastructure development more.</p>	<p>Limited in country capacity in the Micronesian Region to implement mitigation actions and to meet NDC goals.</p>
	<p>Health care facility not adapted to climate change impact?</p>	<p>Evidence-based research related to the co-benefits of climate change and health.</p>			<p>No policies to guide and no one saw the connection between health and climate.</p>	<p>Evidence-based research related to the co-benefits of climate change and health.</p>
	<p>Health is not viewed under the climate change lens.</p>	<p>Information and data gaps for tracking success of mitigation and adaptation actions as well as to compare to targets/ ambitions set.</p>				<p>Gender and climate change.</p>
	<p>Evidence-based research related to the co-benefits of climate change and health.</p>	<p>Information and data gaps for tracking success of mitigation and adaptation actions as well as to compare to targets/ ambitions set.</p>				<p>Climate change adversely impact on the Kiribati population.</p>
	<p>Lack of transparency and linkage of health data and climate change.</p>					
	<p>Health is not a priority, they gov prefer to do infrastructure development more.</p>	<p>No policies to guide and no one saw the connection between health and climate.</p>				
	<p>No policies to guide and no one saw the connection between health and climate.</p>	<p>Implementation research. We need to focus less on characterizing the problem and more research needed on how to fix the problem, technological solutions, implementing programs etc.</p>				
	<p>Climate change adversely impact on the Kiribati population.</p>					

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Appendix 5: Resource Library Participant Alignment with GRAA/CRIA

An examination of efforts by Marketplace participants to directly align with the GRAA/CRIA research & innovation priorities demonstrates a need for updated capability of the Resource Library for the I4C Marketplace to incorporate the Delivery Approaches and update the division of cross-cutting themes. The Resource Library itself requires an overhaul in approach to see continual engagement from I4C R+I partners. Initiatives meeting the needs of history & cultural heritage as a topical theme are also completely absent from the current partnership offerings, illuminating the most glaring gap in the R+I coverage thus far.

Delivery Approaches

Empowering Cities to Take Action	Partnerships for Long-Term Collaboration	Co-production of Knowledge
ROAMES Virtual World Asset Management Solution by Fugro	ROAMES Virtual World Asset Management Solution by Fugro	A single pane of glass for smart(er) cities by Bentley Systems
Using simulation tools for mobility planning by Bentley Systems	City fiber networks, key sustainable digitalisation by Unsere Grüne Glasfaser GmbH	Using simulation tools for mobility planning by Bentley Systems
Urban groundwater management in water scarce areas by Bentley Systems	World Health Innovation Summit by World Health Innovation Summit	Urban groundwater management in water scarce areas by Bentley Systems
Digital twins for smart urban water management by Bentley Systems	Innovative tax incentives for SMEs decarbonisation by London Borough of Sutton	Digital twins for smart urban water management by Bentley Systems
Gamification for sustainable cities by VIVACE	Innovate 4 Nairobi, the Green Capital of Africa by Kenya Green Building Society ("KGBS")	Gamification for sustainable cities by VIVACE
Innovative tax incentives for SMEs decarbonisation by London Borough of Sutton	RetrofitCredits by Arctica Partners	World Health Innovation Summit by World Health Innovation Summit
Programas: "Plante Solar" e "Lixo é pura energia" by coopraver	Stuttgart Climate Action Platform by BABLE Smart Cities	Place based model for net zero neighbourhoods by London Borough of Hounslow
Place based model for net zero neighbourhoods by London Borough of Hounslow	Rescua.Earth – "Engaging the Public" by Sync Neural Genesis AG	ClimateOS by ClimateView
ClimateOS by ClimateView	CDP Business Scan by CDP	Coastal Resilience by Fugro
Innovate 4 Nairobi, the Green Capital of Africa by Kenya Green Building Society ("KGBS")	Changing Mobility Patterns Through Urban Planning by Municipality of Puerto Montt	Stuttgart Climate Action Platform by BABLE Smart Cities
Coastal Resilience by Fugro	Eco-Built Solutions by LUXIGLU NETWORK LIMITED	CDP Business Scan by CDP
RetrofitCredits by Arctica Partners	Load Adjustment Strategy, and Demand side response by Oaktree Power	Implementing the Youth Impact Framework by Student Energy
Stuttgart Climate Action Platform by BABLE Smart Cities	City Business Climate Alliance (CBCA) by C40 Cities	Tree health monitoring for climate adaptation by Bentley Systems
Rescua.Earth – "Engaging the Public" by Sync Neural Genesis AG	The Sustainable Cities Challenge by Challenge Works	Urban heat island risk monitoring with HotSat-1 by SatVu
Changing Mobility Patterns Through Urban Planning by Municipality of Puerto Montt		Financial Instruments Toolkit by Climate Policy Initiative – Cities Climate Finance Leadership Alliance
Eco-Built Solutions by LUXIGLU NETWORK LIMITED		Load Adjustment Strategy, and Demand side response by Oaktree Power
Implementing the Youth Impact Framework by Student Energy		
Financial Instruments Toolkit by Climate Policy Initiative – Cities Climate Finance Leadership Alliance		
The Sustainable Cities Challenge by Challenge Works		

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Topical Themes

Sustainable Consumption & Production	Finance	Informality	Uncertainty	Urban Planning & Design	History & Cultural Heritage	Built & Green/Blue Infrastructure
Urban groundwater management in water scarce areas by Bentley Systems	World Health Innovation Summit by World Health Innovation Summit Innovative tax incentives for SMEs decarbonization by London Borough of Sutton Place based model for net zero neighbourhoods by London Borough of Hounslow ClimateOS by ClimateView Innovate 4 Nairobi, the Green Capital of Africa by Kenya Green Building Society ("KGBS") RetrofitCredits by Arctica Partners Rescua.Earth – "Engaging the Public" by Sync Neural Genesis AG Implementing the Youth Impact Framework by Student Energy Financial Instruments Toolkit by Climate Policy Initiative – Cities Climate Finance Leadership Alliance The Sustainable Cities Challenge by Challenge Works	World Health Innovation Summit by World Health Innovation Summit ActInsight-Better insights into collective climate by ValueGrid Innovate 4 Nairobi, the Green Capital of Africa by Kenya Green Building Society ("KGBS") CDP Business Scan by CDP Implementing the Youth Impact Framework by Student Energy	ROAMES Virtual World Asset Management Solution by Fugro World Health Innovation Summit by World Health Innovation Summit ActInsight-Better insights into collective climate by ValueGrid ClimateOS by ClimateView Coastal Resilience by Fugro Sustainability Indicators Platform by City of Porto Alegre, Brazil	A single pane of glass for smart(er) cities by Bentley Systems Using simulation tools for mobility planning by Bentley Systems Urban groundwater management in water scarce areas by Bentley Systems Digital twins for smart urban water management by Bentley Systems Gamification for sustainable cities by VIVACE World Health Innovation Summit by World Health Innovation Summit Programas: "Plante Solar" e "Lixo é pura energia" by coopraver Innovate 4 Nairobi, the Green Capital of Africa by Kenya Green Building Society ("KGBS") Coastal Resilience by Fugro Sustainability Indicators Platform by City of Porto Alegre, Brazil	–	ROAMES Virtual World Asset Management Solution by Fugro A single pane of glass for smart(er) cities by Bentley Systems Using simulation tools for mobility planning by Bentley Systems Digital twins for smart urban water management by Bentley Systems City fiber networks, key sustainable digitalization by Unsere Grüne Glasfaser GmbH World Health Innovation Summit by World Health Innovation Summit Programas: "Plante Solar" e "Lixo é pura energia" by coopraver Place based model for net zero neighbourhoods by London Borough of Hounslow Waste glass and CO2 into low-carbon cement by Carbon Upcycling Technologies Innovate 4 Nairobi, the Green Capital of Africa by Kenya Green Building Society ("KGBS") RetrofitCredits by Arctica Partners Sustainability Indicators Platform by City of Porto Alegre, Brazil City Business Climate Alliance (CBCA) by C40 Cities The Sustainable Cities Challenge by Challenge Works
Digital twins for smart urban water management by Bentley Systems						
Gamification for sustainable cities by VIVACE						
World Health Innovation Summit by World Health Innovation Summit						
Innovative tax incentives for SMEs decarbonization by London Borough of Sutton						
Programas: "Plante Solar" e "Lixo é pura energia" by coopraver						
Place based model for net zero neighbourhoods by London Borough of Hounslow						
ClimateOS by ClimateView						
Waste glass and CO2 into low-carbon cement by Carbon Upcycling Technologies						
Innovate 4 Nairobi, the Green Capital of Africa by Kenya Green Building Society ("KGBS")						
Coastal Resilience by Fugro						
RetrofitCredits by Arctica Partners						
Helping cities reduce food and household waste by Olio Exchange Limited						
Rescua.Earth – "Engaging the Public" by Sync Neural Genesis AG						
Uncooled Engines for all Applications and Fuels by The Litus Foundation						
Load Adjustment Strategy, and Demand side response by Oaktree Power						
City Business Climate Alliance (CBCA) by C40 Cities						

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Cross-cutting Themes

City-level Models & Data	Health	Systems Approaches	Digitisation	Scale	Governance	Justice & Equity
ROAMES Virtual World Asset Management Solution by Fugro	Urban groundwater management in water scarce areas by Bentley Systems	Gamification for sustainable cities by VIVACE	ROAMES Virtual World Asset Management Solution by Fugro	ROAMES Virtual World Asset Management Solution by Fugro	A single pane of glass for smart(er) cities by Bentley Systems	Gamification for sustainable cities by VIVACE
A single pane of glass for smart(er) cities by Bentley Systems	Digital twins for smart urban water management by Bentley Systems	World Health Innovation Summit by World Health Innovation Summit	A single pane of glass for smart(er) cities by Bentley Systems	Gamification for sustainable cities by VIVACE	Gamification for sustainable cities by VIVACE	World Health Innovation Summit by World Health Innovation Summit
Using simulation tools for mobility planning by Bentley Systems	Gamification for sustainable cities by VIVACE	Innovative tax incentives for SMEs decarbonization by London Borough of Sutton	Using simulation tools for mobility planning by Bentley Systems	World Health Innovation Summit by World Health Innovation Summit	World Health Innovation Summit by World Health Innovation Summit	Place based model for net zero neighbourhoods by London Borough of Hounslow
Urban groundwater management in water scarce areas by Bentley Systems	World Health Innovation Summit by World Health Innovation Summit	ActInsight-Better insights into collective climate by ValueGrid	Urban groundwater management in water scarce areas by Bentley Systems	World Health Innovation Summit	Place based model for net zero neighbourhoods by London Borough of Hounslow	Innovate 4 Nairobi, the Green Capital of Africa by Kenya Green Building Society ("KGBS")
Digital twins for smart urban water management by Bentley Systems	ClimateOS by ClimateView	Place based model for net zero neighbourhoods by London Borough of Hounslow	Digital twins for smart urban water management by Bentley Systems	Innovate 4 Nairobi, the Green Capital of Africa by Kenya Green Building Society ("KGBS")	ClimateOS by ClimateView	RetrofitCredits by Arctica Partners
Gamification for sustainable cities by VIVACE	Innovate 4 Nairobi, the Green Capital of Africa by Kenya Green Building Society ("KGBS")	Innovate 4 Nairobi, the Green Capital of Africa by Kenya Green Building Society ("KGBS")	City fiber networks, key sustainable digitalization by Unserere Grüne Glasfaser GmbH	Coastal Resilience by Fugro	Innovate 4 Nairobi, the Green Capital of Africa by Kenya Green Building Society ("KGBS")	Helping cities reduce food and household waste by Olio Exchange Limited
World Health Innovation Summit by World Health Innovation Summit	RetrofitCredits by Arctica Partners	Rescua.Earth – "Engaging the Public" by Sync Neural Genesis AG	Gamification for sustainable cities by VIVACE	Helping cities reduce food and household waste by Olio Exchange Limited	Sustainability Indicators Platform by City of Porto Alegre, Brazil	Rescua.Earth – "Engaging the Public" by Sync Neural Genesis AG
ActInsight-Better insights into collective climate by ValueGrid	Urban heat island risk monitoring with HotSat-1 by SatVu	Load Adjustment Strategy, and Demand side response by Oaktree Power	World Health Innovation Summit by World Health Innovation Summit		Changing Mobility Patterns Through Urban Planning by Municipality of Puerto Montt	Changing Mobility Patterns Through Urban Planning by Municipality of Puerto Montt
ClimateOS by ClimateView		City Business Climate Alliance (CBCA) by C40 Cities	ActInsight-Better insights into collective climate by ValueGrid		Eco-Built Solutions by LUXIGLU NETWORK LIMITED	The Sustainable Cities Challenge by Challenge Works
Innovate 4 Nairobi, the Green Capital of Africa by Kenya Green Building Society ("KGBS")		The Sustainable Cities Challenge by Challenge Works	ClimateOS by ClimateView		Urban heat island risk monitoring with HotSat-1 by SatVu	
Coastal Resilience by Fugro			Innovate 4 Nairobi, the Green Capital of Africa by Kenya Green Building Society ("KGBS")		City Business Climate Alliance (CBCA) by C40 Cities	
Sustainability Indicators Platform by City of Porto Alegre, Brazil			Coastal Resilience by Fugro			
Changing Mobility Patterns Through Urban Planning by Municipality of Puerto Montt			Sustainability Indicators Platform by City of Porto Alegre, Brazil			
Tree health monitoring for climate adaptation by Bentley Systems			Helping cities reduce food and household waste by Olio Exchange Limited			
Urban heat island risk monitoring with HotSat-1 by SatVu			Rescua.Earth – "Engaging the Public" by Sync Neural Genesis AG			
Load Adjustment Strategy, and Demand side response by Oaktree Power			Eco-Built Solutions by LUXIGLU NETWORK LIMITED			
The Sustainable Cities Challenge by Challenge Works			Tree health monitoring for climate adaptation by Bentley Systems			
			The Sustainable Cities Challenge by Challenge Works			

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Shared Spaces for Urban Innovation: Insights and outcomes from Innovate4Cities Marketplaces

GCoM Research and Innovation Technical Working Group Members:



The Joint Research Centre –
the European Commission’s
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Contributing knowledge partner:



Melbourne Centre
for Cities



innovate4cities.org