

DARING CITIES 2021

LEADING IN THE CLIMATE EMERGENCY



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Deutsche
UNO-Stadt
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Bonn

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2021



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North Rhine-Westphalia



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of the Savings Bank in Bonn



Ministry of the Environment
Government of Japan

DARING CITIES 2021: LEADING IN THE CLIMATE EMERGENCY

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Created by ICLEI and the Federal City of Bonn, Daring Cities is a recurring, virtual, action-oriented forum to recognize and empower courageous urban leaders – including mayors and other decision-makers, technical staff, researchers, private sector representatives, and community organizers – to disrupt business-as-usual and shift towards business-as-possible. Daring Cities showcases and catalyzes exemplary local climate action to tackle the climate emergency, including ambitious resilience-building and climate mitigation efforts.

For more information, visit: <https://daringcities.org/>

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GINO VAN BEGIN

Secretary General, ICLEI – Local Governments for Sustainability

FOREWORD

In 2020, [Daring Cities](#) was the first conference of its kind – a virtual forum for urban leaders around the world who are taking bold climate action.

Today, the international climate crisis has reached a crucial moment, with so much put on hold during the first and second year of the COVID-19 pandemic. The role that Daring Cities plays as the space for local and regional governments to make their voices heard, deepen capacity and share experiences is, therefore, of critical importance.

[A recent Intergovernmental Panel on Climate Change \(IPCC\) report](#) confirms that today's accelerating global warming is induced by human activity. The report tracks five projected scenarios, from very low CO₂ emissions to very high CO₂ emissions to see the development of global warming during the coming century. In every scenario, the planet continues to warm until mid-century, and if emissions continue unchecked, warming of over 2°C will be reached by 2050.

The consequences of not acting now are clear. To limit human-induced global warming, we must urgently and radically decarbonize and reach climate neutrality. Under each scenario with increasing GHG emissions, ocean and land carbon sinks will become less effective at slowing the accumulation of greenhouse gas emissions in the atmosphere. Such a process will thus contribute to extreme weather, marine heatwaves, heavy precipitation, agricultural and ecological droughts, intense tropical cyclones, as well as reductions in Arctic sea ice, snow cover and permafrost.

The leaders of nations, cities, towns, prefectures and regions, also with leaders of industry and civil society must undertake collaborative action to stop this catastrophe. And the responsibility on local leaders is immense. There is no way to limit global warming to 1.5°C if local leaders do not act now.

We need clear, local climate and energy plans based on 100% renewables; we need to divest from fossil fuels; we need a decarbonized local transport system; we must promote and apply nature-based solutions and circular development approaches, as well as people-centered, inclusive and equitable actions.

This Daring Cities 2021 report summarizes the visionary leadership, the active sharing of knowledge, and the coherent, united voice which underpins the necessary collaborative action.

Daring Cities 2021, co-organized by ICLEI with the federal City of Bonn, and supported by the State of North Rhine-Westphalia, the German Ministry for Cooperation and Development, the German Ministry for the Environment, as well as Japan's Ministry for the Environment, was yet another opportunity through which we could stimulate learning and action, with various compelling urban leaders bringing bold climate action to their cities, towns and regions as a response to the climate crisis.

The Daring Cities plenary sessions showcased the ambition that cities are already committing to, while setting a blueprint for others to follow. The capacity-building workshops showcased practical knowledge on themes related to ambitious urban climate action from digitalisation and communications to finance land value capture.

Finally, through the Daring Cities Call for Transformation and the Compendium of Good Practices, we successfully brought Daring Cities to the global climate arena at COP26 in November 2021 and contributed to the inclusion of multilevel action in the Glasgow Climate Pact.

We now have a unique opportunity to 'build back better', to ambitiously co-create a new journey for all to develop resilient, inclusive communities and to discontinue the unsustainable approaches that have become so obvious through the global COVID-19 pandemic and initial recovery attempts. Now is the time for cities and regions to accelerate climate action. Daring Cities will continue to be the impetus that propels, supports and guides cities and regions as they embark on daring climate action.

Together with all our partners, thank you for your continued support and daring work.





INTRODUCTION



In 2020, Daring Cities was the first conference of its kind – a virtual forum connecting urban leaders from around the world who are taking bold climate action in the time of COVID-19.

In 2021, the international climate stage was even more important, with so much put on hold during the first year of the pandemic. Despite the uncertainties regarding the global process, neither the climate and biodiversity emergencies, nor the COVID-19 response, recovery and redesign processes at the national and local levels stopped.

In 2021 and beyond, Daring Cities continued to be recognized as the space for local and regional governments to make their voices heard, capacities advanced, and experiences shared.

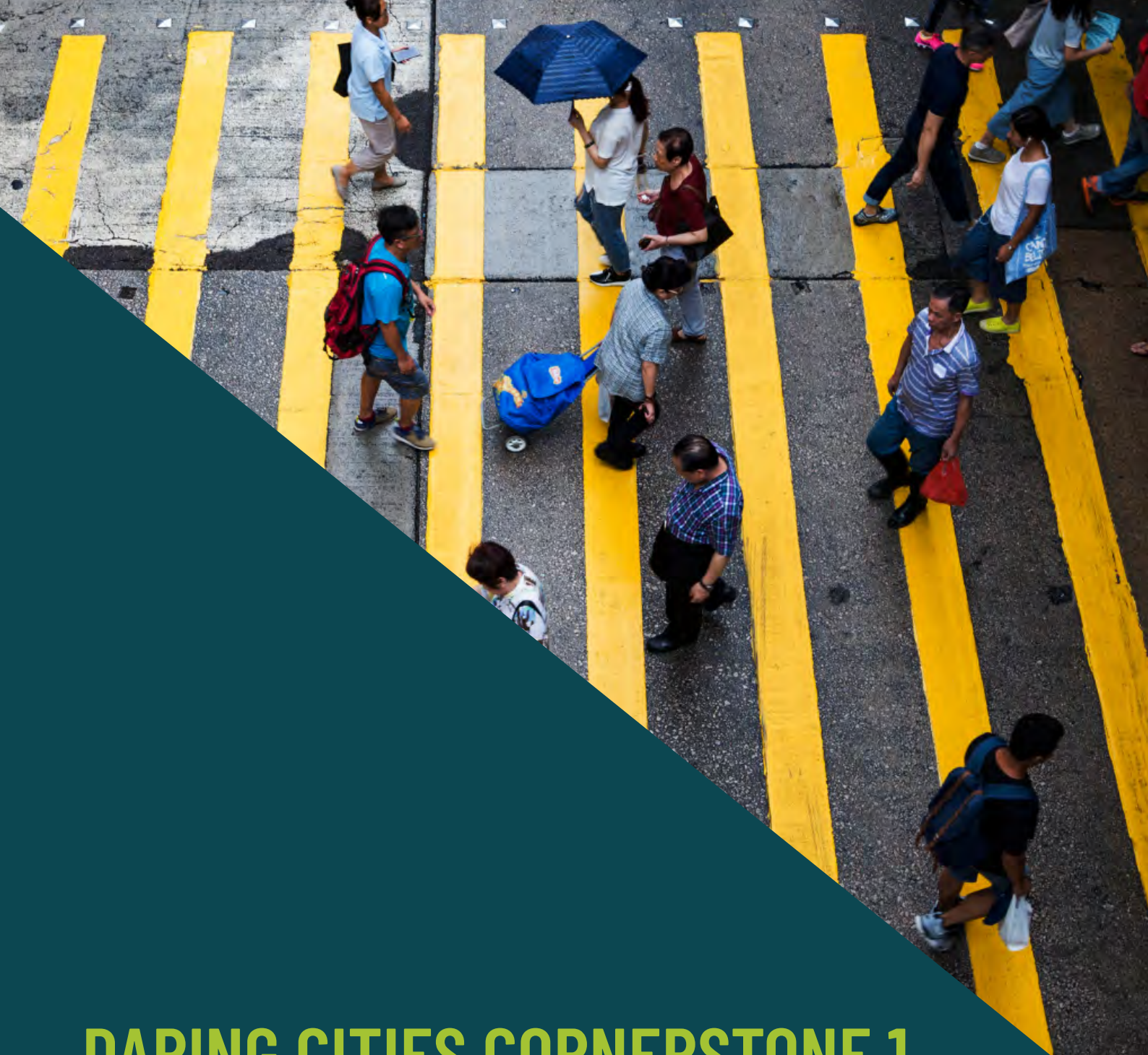
Daring Cities builds on the legacy of the well-established Resilient Cities Congress series, and transforms it into an event encompassing the entirety of the climate action space at the local and regional level. Additionally, as a fully virtual event, Daring Cities has brought the right people to the table for every type of dialogue, including high-level political discussions, in-depth technical training and case study workshops.

But 2021 was no ordinary year, and we pivoted the approach of Daring Cities to respond accordingly. Acknowledging the need to feed into the global advocacy processes that clustered at the end of 2021, Daring Cities expanded into a three-part campaign to ensure that local and regional governments would be heard throughout Urban October into the climate COP in Glasgow.

Cornerstone 1 – Exchange built on the success of the 2020 event to offer a five-day virtual event that concentrated our attendees together in a more conference-like setting, with ample opportunities for networking and exchange on leading in the climate emergency. [The Daring Cities Call for Transformation](#) and [Compendium of Best Practices](#) were the main outcomes of this Cornerstone.

We moved into **Cornerstone 2 – Disseminate** throughout Urban October, linking the outcomes of Cornerstone 1 to sectoral and global agendas through events and processes occurring in this important month.

Finally, we finished at COP26 in Glasgow, Scotland, with **Cornerstone 3 – Advocate**, where we brought the outcomes from Cornerstone 1 and 2 to the international climate audience. Making use of ICLEI's UNFCCC mandates as the focal point of the LGMA, co-lead of the [Marrakech Partnership for Global Climate Action's Human Settlements Pathway](#), and partner of the [Cities Race To Zero](#) and [Cities Race To Resilience](#) campaigns of the High Level Climate Action Champions, the message of Daring Cities was brought to the highest levels of decision-making.



DARING CITIES CORNERSTONE 1 EXCHANGE





For Cornerstone I: Exchange, Daring Cities 2021 brought together global, diverse perspectives from compelling urban leaders who have implemented bold climate action in their cities, towns and regions as a response to the climate crisis. Over five days, high level participants spoke on engaging through relevant climate actions in a variety of sessions across all time zones. This compact and core time-frame concentrated our attendees together in a more conference-like setting, with ample opportunities for virtual networking and exchange.

THE NECESSITY TO ACT AND LEAD BY EXAMPLE

According to the [Climate Emergency Declaration and Mobilization in Action](#) (CEDAMIA) initiative, as of June 2021, 2000 local governments in 34 countries have declared a climate emergency. In addition, through the Race to Zero and Race to Resilience initiatives led by the UNFCCC High Level Climate Action Champions, hundreds of cities, towns and regions are now committing to climate neutrality and climate resilience towards 2050, including setting ambitious midterm targets to be met by 2030.

Further commitments on circular economy, nature, and mobility are evolving through numerous partnerships. Experiences from the Dominican Republic, Rwanda, the USA, as well as evolving efforts in South Korea and Japan, prove that practicing numerous models of

VOICES OF DARING CITIES

TAKING URGENT ACTION IN A STATE OF CLIMATE EMERGENCY

"The way forward is clear: There is no safe landing if cities throughout the world do not start taking integrated approaches to decarbonization. Cities are fundamental."

Johan Rockström, Director, Potsdam Institute for Climate Impact Research; Professor in Earth System Science, University of Potsdam, Germany

"In May this year, all localities in the country came together and announced their climate neutrality commitment. This was the first endeavor of its kind that included all localities."

Yeom Tae-Young, Mayor of Suwon, South Korea; East Asia Representative at ICLEI Global Executive Committee



VOICES OF DARING CITIES

"When you frame something as an emergency, it elevates the issue in terms of the consciousness of the citizenry. ...We want to impress upon the residents of Hoboken and beyond that this [climate change] is an existential threat... if we don't act now, the very existence and being of Hoboken is at threat."

Ravi Bhalla, City of Hoboken, USA



"We try to have concrete actions and be inspired by other networks and cities. We're trying to make sure everyone is engaged at the community-level... The COVID-19 pandemic brought many lessons, one of them is actually taking part in these actions as a group. In Santa Fe, we are trying to start this through small ideas... And they might seem very simple at the beginning, but actually those small ideas will be steps as part of something bigger."

Emilio Jatón, Mayor, City of Santa Fe, Argentina



multilevel collaboration can support more ambitious Nationally Determined Contributions (NDCs) to achieve the long-term goals of the Paris Agreement.

In its most recent report, the IPCC states that humanity is reaching irreversible tipping points with devastating effects for all life on this planet. The increase of extreme climate events in many parts of the globe highlights the need to apply a mindset of permanent emergency to the ongoing situation. Cities and regional governments need to advance from the declaration and commitment stages to solution-oriented actions and implementation. In doing so, they can inspire other jurisdictions to follow suit, and to put themselves at the forefront of the global movement to act on the climate crisis.

Day one (4 October 2021) of Daring Cities 2021 put an emphasis on the necessity to act and lead by example. This was also [World Habitat Day](#), and the sessions were designed as a means to contribute to the day's chosen theme of "Accelerating urban action for a carbon-free world" and its particular focus on the Race to Zero.



LEADERSHIP IN THE CLIMATE EMERGENCY

The Paris Climate Agreement, adopted in 2015, introduced a new era for global climate action pursuant to its 1.5°C and climate neutrality goals, as well as embracing multilevel and multi-stakeholder collaboration. The first wave of national climate plans were not adequate to meet this challenge, as they were prepared before the Paris Agreement entered into force.

[The UN Climate Change Conference](#) (COP26) in Glasgow in November 2021 kicked-off the second phase of the Paris Agreement, with the submission of new and enhanced NDCs. The [Local Governments and Municipal Authorities](#) (LGMA) Constituency has called for COP26 and the second phase of the Paris Agreement to be the moment when multilevel and collaborative action becomes the new normal, enabling thousands of local and regional governments to fulfill their 2030 and 2050 commitments through the Race to Zero and Race to Resilience initiatives.



WHAT MULTILEVEL LEADERSHIP REALLY LOOKS LIKE

"One of the reasons that we're emphasizing the city, the subnational level, is because when we look at the breakdown of Japanese emissions, viewed from the consumption basis, more than 60% come from household consumption: food, housing, transport, leisure, services. So this tells us that citizens' choice can make a difference [...] Therefore we also collaborate closely with local governments. Last year we created a council for national and local decarbonization and formulated a regional decarbonization roadmap."

Ryuzo Sugimoto, Director, International Cooperation and Sustainable Infrastructure office, Global Environmental Bureau, Ministry of the Environment, Japan

"How can we effectively achieve the SDGs? We have industries here in Africa that are environmentally damaging, at the same time we have to finance climate action. So it's a circle really. That's why greater collaboration between the local and national governments, the private sectors and civil society has to be greater if we're to overcome this."

Ladislas Ngendahimana, Secretary General, [Rwanda Association of Local Government Authorities](#) (RALGA)



DRIVING IMPACTFUL, ON-THE-GROUND SOLUTIONS

WATCH THE SESSION



"The city of Mannheim joined the climate action movement in December 2019, and is aiming for climate neutrality significantly earlier than 2050, towards 2030. [...] In all eight thematic fields of action: climate, zero pollution, circular economy, biodiversity, mobility, food, clean energy, building, initial deals have been concluded together with citizens, politics, administration, companies, research and civil society".

Peter Kurz, Mayor, City of Mannheim, Germany;
Chair of Global Parliament of Mayors

"We're working on mangrove restoration for two reasons: mangroves are our first defense against land erosion. We face erosion not only from rainfall but also from rising sea levels. Unfortunately, due to the high levels of poverty, the community cuts the mangroves for heating and for building materials. We're now working on educational programs to relay this environmental importance of the mangroves. Large parts of communities are fisherman, so we've also been explaining the importance of the mangroves for fish stock sustainability".

Manuel de Araújo, Mayor, Quelimane Municipality, Mozambique; ICLEI Global Executive Committee Member

"We are the last generation of mayors that can take action vs climate change. Instead of fear, we need courage. Instead of despair, we need hope. Instead of powerlessness, we need action. Action is what cities are able to deliver. When it comes to climate change, it's not game over, it's game on".

Anna Reynolds, Lord Mayor, City of Hobart, Tasmania, Australia; Chair of Council of Capital City Lord Mayors (CCCLM); Member of ICLEI Oceania Regional Executive Committee Member; Board Member of Global Covenant of Mayors for Climate and Energy (GCoM)

WATCH THE SESSION



The second high-level day of Daring Cities 2021 (6 October 2021) addressed perspectives for climate emergency leadership from local and regional governments, national governments, as well as global partners and civil society. The day concluded with a special session honoring 25 years of work on sustainability by the United Nations in Bonn and of their collaboration with local governments. This session was also an opportunity to contribute to evolving consultations on the future of cities among the UN institutions.

THE VISION OF 2030

Daring Cities 2021 wrapped up Cornerstone 1: Exchange with a day to envision what 2030 will look like if we are to achieve our goals to respond to the Climate Emergency. Cities and regions collectively shared their vision of their community in responding to climate emergency in 2030, and the steps that will need to have been taken to make it a reality.

"What we have learnt in the past decades is that successful strategies will have to be based on diverse, expert and mobilized actions, be more inclusive from idea to implementation and will benefit from the knowledge and insight that the local level can offer. Bonn has delivered a blueprint for a special kind of network and collaboration which reflects the vision of the UN. The story of 25 yrs of UN Bonn is a success in terms of sustainability, networking and collaboration both and inside the UN and with the surrounding clusters of German federal institutions, academia and civil society."

Katja Dörner, Mayor, City of Bonn, Germany; ICLEI Global Executive Committee Member & Co-Chair on Climate and Low Emissions Portfolio



Cities and regions that presented their visions came from various regions of the world, showcasing the diversity of urgent climate action needed in various contexts, as well as identifying certain barriers that need to be overcome.

As part of this day of visioning 2030, Daring Cities put forth their demands to national governments, fellow local and regional governments, and broader civic society, indicating the support that they need in order to achieve the level of climate action needed to truly give us a chance at limiting climate change before it reaches an even more dangerous level.

DARING CITIES MAKE A CALL FOR TRANSFORMATION

"To our fellow local governments, we need to declare an emergency, we need to get all hands on deck, we must prepare our communities to expect the worst as normal... We invite you to make ambitious changes in your own spheres of influence".

Frank Cownie, Mayor, City of Des Moines, USA;
President, ICLEI – Local Governments for Sustainability



"It's indeed time that we treat the climate crisis as an emergency. The Call for Transformation is fundamental. In Turku, we are implementing an ambitious climate plan. We have already halved our GHG emissions from 1990, and our economy has grown. [...] By 2029 we will be 800 years old and one of the only climate positive areas in the world, meaning we will from 2029 have a cooling impact on the climate."

Minna Arve, Mayor, City of Turku, Finland; Vice President, ICLEI – Local Governments for Sustainability

"The Call for Transformation highlights that we are in a climate emergency and that cities are on the front line. There is an opportunity here. Cities are constantly re-inventing themselves. Many of the cities of the future haven't been built yet. We need to climate proof those and bring nature back into existing cities."

Martina Otto, Head, Cities Unit, Economy Division, UN Environment Programme



THE *HOW* OF TACKLING THE CLIMATE EMERGENCY

Daring Cities 2021 also offered an array of interactive workshops specifically to support local and regional governments at various stages of tackling the climate emergency.

- ["I've declared a climate emergency, now what do I do?!"](#)
- [Digitalization as a game changer in the climate emergency response](#)
- [Climate crisis: Who bears the burden?](#)
- [Prioritizing climate emergency through the municipality](#)
- Driving finance for urgent climate action
- [Communicating in the climate emergency](#)
- [The science behind setting an urban 1.5°C-aligned target](#)
- [It's about water! Local water action for climate change adaptation in urban areas](#)
- [Research and innovation take center stage in the climate emergency](#)
- [Land value capture: Leveraging land for financing climate action](#)



LEADERS AT DARING CITIES 2021: CORNERSTONE 1



MAIMUNAH MOHD SHARIF

Executive Director, United Nations
Human Settlements Programme
(UN Habitat)



GONZALO MUÑOZ

UN High-Level Climate Action
Champion, Chile



MAMI MIZUTORI

Special Representative, UNDRR



JYOTI MATHUR-FILIPP

Implementation Support Division,
United Nations Convention
on Biological Diversity (CBD)



SAYDA RODRÍGUEZ GÓMEZ

State Secretary of Sustainable
Development, State of Yucatan,
Mexico



**GERALDO JÚLIO
DE MELLO FILHO**

State Secretary, State
of Pernambuco, Brazil



RYUZO SUGIMOTO

Director, International Cooperation
and Sustainable Infrastructure office,
Global Environmental Bureau,
Ministry of the Environment, Japan



**RIȦ
SCHWARZELÜHR-SUTTER**

Parliamentary Secretary of State,
Ministry of the Environment,
Germany

LEADERS AT DARING CITIES 2021: CORNERSTONE 1



JOHAN ROCKSTRÖM

Director, Potsdam Institute
for Climate Impact Research



JÜRGEN ZATTLER

Director General, International development
policy, Agenda 2030, and Climate, Federal
Ministry for Economic Cooperation and
Development, Germany



JOCELYN BLÉRIOT

Executive Lead - Institutions,
Governments and Cities,
The Ellen MacArthur Foundation



JOSEPH MUTURI

Chair, Slum Dwellers
International (SDI)



MR STEPHAN HOLTHOFF-PFÖRTNER

Minister for Federal, European and
International Affairs, State of North
Rhine-Westphalia



MALINI MEHRA

Chief Executive,
GLOBE International



SALEEM HUQ

Director, International Centre
for Climate Change and Development
(ICCCAD)



ANNIKA ZEYEN

Two-time Paralympic
gold medalist

LOCAL LEADERS AT DARING CITIES 2021: CORNERSTONE 1



KATJA DÖRNER

Mayor, City of Bonn, Germany



ABIGAIL BINAY

Mayor, City of Makati, Philippines



YEOM TAE-YOUNG

Mayor, City of Suwon, South Korea



CHENG-TA HSIEH

Deputy Mayor, New Taipei City,
Chinese Taipei



ISABELLA DE ROLDÃO

Vice Mayor, City of Recife, Brazil



RAVI BHALLA

Mayor, City of Hoboken, USA



FRANK COWNIE

Mayor, City of Des Moines, USA



EMILIO JATÓN

Mayor, City of Santa Fe, Argentina



TAKEHARU YAMANAKA

Mayor, Yokohama City, Japan



CHENG WEN-TSAN

Mayor, City of Taoyuan,
Chinese Taipei



ANNA REYNOLDS

Mayor, Hobart City Council,
Tasmania, Australia



DR. PETER KURZ

Mayor, City of Mannheim, Germany

LOCAL LEADERS AT DARING CITIES 2021: CORNERSTONE 1



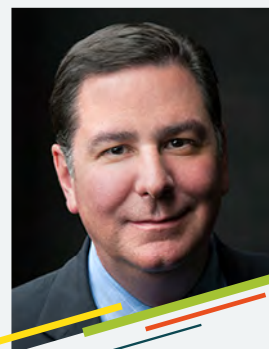
MANUEL DE ARAÚJO

Mayor, City of Quelimane Municipality,
Mozambique



SUSAN AITKEN

Leader of Glasgow City Council,
Scotland



WILLIAM PEDUTO

Mayor, City of Pittsburgh, USA



TUNÇ SOYER

Mayor, City of Izmir Metropolitan
Municipality, Turkey



MINNA ARVE

Mayor, City of Turku, Finland



ROSHANIE DISSANAYAKE

Commissioner, Colombo Municipal
Council, Sri Lanka



**AHMAD ZABRI BIN MOHAMED
SARAJUDIN**

Acting Director of Urban Services
Department, Seberang Perai Municipal
Council, Malaysia



VERA REVINA SARI

Acting Governor for Spatial Planning
and Environment, City of Jakarta,
Indonesia



LUZ AMPARO MEDINA

Mayor, Bogotá, Colombia



An aerial photograph of a river, likely the Rhine, flowing through a lush, green landscape. A bridge spans the river on the right side. The left bank is densely forested with trees showing autumn foliage in shades of yellow and orange. A road and some buildings are visible on the left bank. The right bank is also green and forested, with a bridge crossing the river.

THE OUTCOMES OF DARING CITIES 2021, CORNERSTONE 1: EXCHANGE

CALLING FOR TRANSFORMATION

On the final day of Daring Cities 2021, two-time Paralympic gold and one-time silver medalist Annika Zeyen, a prominent Bonn resident, was welcomed to the stage. Ms. Zeyen, who competes in wheelchair basketball and handbiking, embodies the spirit of the fighter that every daring city must emulate. She reminded us all that we can each make a difference, and that working towards our goal is not always easy, but we have to keep our eyes on the prize.

Her appearance was followed by the unveiling of the Daring Cities Call for Transformation, one of the major outcomes of the Daring Cities 2021 forum. This call reflected the discussions and exchange among the participants at Daring Cities 2021. ICLEI conveyed this call to various processes throughout Urban October and UNFCCC COP26 in Glasgow, and beyond.

DARING CITIES 2021 CALL FOR TRANSFORMATION

BACKGROUND

The climate emergency is a global challenge, with local, subnational, national, continental, and planetary dimensions the likes of which the world has yet to face. Governments, institutions, leaders, communities must prepare, mobilize, and act in a manner that has not been experienced during any previous crises in the history of humanity. Yet despite this, the number of governments declaring a climate emergency and fully delivering on their promises is insufficient.



Tackling a challenge as widespread and multifaceted as the climate emergency requires significant change of personal, institutional, and societal mindsets. Communities, leaders, and institutions need transparency, clarity, and greater preparedness on the scale and scope of these changes and must build upon the successes or failures of previous challenges in embracing this change.

Cities and regions are uniquely positioned for the implementation of critically needed local climate action. However, no city, town or region is - nor can be expected to be - capable of tackling the climate emergency on their own. To ensure the essential, transformational changes required, we must unite and collaborate in a collective effort like no other.

The daring cities, towns and regions already responding to the climate emergency need support and action from fellow local and regional governments, from communities and stakeholders at large, and from national governments and the international community.

These are their demands.

TOWARDS FELLOW LOCAL AND REGIONAL GOVERNMENTS

Declare climate emergency to mobilize resources and increase capacity to achieve climate commitments

Connect climate emergency declarations to net zero, climate neutrality and resilience commitments towards 2030 and 2050, in order to harness public and political engagement, ensure institutional ownership, and mobilize much-needed financial, technical and human resources for effective climate action implementation.

Mobilize all hands-on-deck, throughout your administration and among your community

Establish whole-of-government approaches to implement urgent climate actions spanning all departments. Actively engage and coordinate both vertically with other levels of governments, as well as horizontally with neighboring and fellow municipalities and administrations. Take initiative in implementing whole-of-society approaches by directly consulting them in the climate action implementation.

Prepare your community for the worst as the new normal

We have to start to review, redesign and refurbish all elements of the urban infrastructure to cope with extreme climatic disasters such as heat waves, floods, fire and cold. We must embrace new technologies for 100% renewable energy, as well as nature-based, circular and equitable solutions and seek appropriate collaboration models with finance institutions to invest.

DARING CITIES 2021 CALL FOR TRANSFORMATION

TOWARDS COMMUNITIES AND STAKEHOLDERS AT LARGE

Demand your local, regional, and national legislative bodies to declare the climate emergency

Require your politicians and political representatives to prioritize tackling the climate emergency.

Make ambitious changes within your own sphere of influence

Adopt 1.5°C lifestyles and organizational practices, and prioritize sustainability and climate neutrality in personal and professional priority-setting and decision-making. Help to create a culture that embraces responding to the climate emergency in everyday decision-making.

Actively participate in the implementation and follow up of climate emergency declarations

Offer support to local and regional governments to engage with fellow community members on the importance of climate emergency mobilization, most importantly with those who have not yet made it their own personal or organizational priority.

TOWARDS NATIONAL GOVERNMENTS AND THE INTERGOVERNMENTAL COMMUNITY

Declare and support nationwide climate emergencies

Enable emergency governance to be undertaken at multiple scales by declaring nationwide climate emergencies. Climate emergency declarations should receive political and institutional support from respective UN bodies and embedded in the 2030 Agenda for Sustainability.

Embrace multilevel governance and implementation as the new normal

Embrace multilevel and collaborative action as an enabler of a more ambitious 2nd phase of the Paris Agreement with enhanced Nationally Determined Contribution (NDCs). Implement multilevel reporting and finance mechanisms to ensure continued collaboration.

Ensure finance reaches to sustainable urbanization

Ensure that divestments from fossil fuels, climate finance, development finance, national COVID-19 green recovery finance, and private finance effectively, directly, and rapidly contribute to the redesign of urban spaces and build sustainable, integrated urban and territorial development around the world.

And to deliver these, join the Daring Cities Community to exchange, disseminate and advocate the success of local and regional governments that are taking bold, decisive action to tackle the climate emergency.



DARING CITIES 2021 COMPENDIUM OF GOOD PRACTICES

TESTING NEW FRONTIERS THROUGH GOVERNANCE AND INNOVATION

Bonn, Germany

Bonn4Future: Proactive collaboration of civil society and city administration jointly and comprehensively working together on achieving the city's 2035 climate neutrality target.

Izmir Metropolitan Municipality, Turkey

Promoting a circular culture in governance and policy making based on harmony with nature, harmony with the past, harmony with each other and, last but not least, harmony with change.

DKI Jakarta Provincial Government, Indonesia

Online community engagement platform and interfaith religious guidebooks on climate action to engage all community groups in achieving the Promise of Jakarta low emission development strategies.

Mannheim, Germany

Local Green Deal: Together with local businesses, stakeholder organisations and civil society initiatives, The City of Mannheim agrees to initiatives supporting the city's sustainability goals. Each of those actions address several of the local priorities, building bridges between sectors and aligning with the 9 policy areas of the EU Green Deal.

Pittsburgh, USA

The Marshall Plan for Middle America Roadmap aims to build a regional, multi-sectoral coalition of stakeholders to drive investment in infrastructure and energy diversification that will catalyze more equitable economic recovery while laying a foundation for the Ohio Valley (including Upper Appalachia) to be a global leader in cleaner energy resources and circular economy practices.

Turku, Finland

Engaging citizens to reduce community emissions by making more sustainable behavioural choices, consciously adapting how we live, eat, move and consume.

Hammersmith & Fulham Council, UK

Putting science at the center of climate change action, with climate education in schools playing a key role in how they work to get the community on-board with science-based targets and the need for climate action toward their 2030 net zero emissions target.

ACCELERATING SOLUTIONS THROUGH HEALTH, CIRCULARITY, 100%RE, NATURE, URBAN DEVELOPMENT

Bristol, UK

City Leap Energy Partnership: Using smart, digital technologies to aggregate Bristol's future portfolio of "energy assets" — buildings and housing, low carbon heat and power generation, heat networks, public and private wire network infrastructure, battery and thermal storage systems, energy efficiency, public transport and low/no emission vehicle infrastructure — into an integrated whole, using real-time data on local patterns of energy consumption and generation to optimise the match between supply and demand, thereby maximising the value derived from these local assets and the benefits they deliver to local people.

Glasgow, UK

Reforestation project planting 10 new trees per citizen, resulting in 18 million new trees in the coming decade, increasing canopy coverage, ecosystem connectivity, and carbon sequestration.

Hobart, Australia

Whole-of-community approaches to achieving Zero Waste as a key part of their climate action work.

State of North Rhine Westphalia, Germany

Hydrogen Roadmap: Transitioning to clean, locally produced energy, creating new jobs and supporting the achievement of the Paris Agreement while strengthening the local economy.

State of Yucatán, Mexico

Yucatán Zero Waste: Customized waste management program for each of the state's 106 municipalities to address their specific needs, rather than top-down OSFM policy.

TaoYuan, Chinese Taipei

EcoLogistics: Promoting clean, sustainable, efficient, and safe urban freight by fostering cooperation between the public and private stakeholders as well as leveraging resources such as technology, policies and urban planning.

Sebarang Perai Municipal Council, Malaysia

Nature based solutions to climate adaptation and mitigation: the city aimed to plant 50,000 trees from 2018 until their deadline of 2022 but has already far surpassed the target. Estimated to sequester 3,300 metric tonnes of CO₂e annually, the equivalent of 713 cars driven for a year. The project will also safeguard the city against the mounting risk of flooding, and bolster community engagement with citizens encouraged to plant one tree for every child born in the city.

Quelimane Municipality, Mozambique

Nature based solutions: With frequent extreme weather threatening the delicate urban balance of Quelimane - most of which lies below sea-level - the population is extremely vulnerable to climate risks. Restoring hectares of mangroves, which act as a nature-based solution against flooding, helping to stem the tide by preventing soil erosion. Mangroves are planted in the poorest parts of the city, where residents, particularly women, manage and conserve the young plants, providing direct benefits to some of the most vulnerable members of the community.

Makati, Philippines

Extensive investment in Disaster Risk Reduction and Management at the local level, improving the resilience of the city against current and future risks, and educating and engaging citizens in resilience and disaster risk reduction efforts and initiatives.

City of Bogotá, Colombia

Comprehensive, multi-sectoral approach to climate action, including 30 actions for mitigation, more bike lane, fleet electric public buses, landfill for solid waste (Dona Juana), planting trees, and integrated city-region planning and initiatives.



DARING CITIES CORNERSTONE 2 DISSEMINATE



Urban October offered a rich agenda in the urban sustainability space, an opportunity for everyone to be part of the conversation about the challenges and opportunities created by the fast rate of change in our cities and towns. Each October, those interested in sustainable urbanization from national and local governments to universities, NGOs and communities are encouraged to hold or participate in a multitude of activities around the globe.

In 2021, the month began with World Habitat Day on 4 October 2021 (the first day of Daring Cities 2021), with a theme of Accelerating urban action for a carbon-free world. Urban October ended with World Cities Day on 31 October 2021 with the theme of Adapting Cities for Climate Resilience.

Urban October represented a chance to bring the Daring Cities message to the world stage. From the Innovate4Cities conference to the G20, opportunities were developed to connect the outcomes of Daring Cities 2021 to the rest of the world.

EVENTS LED BY DARING CITIES 2021

- How to start using climate and net-zero aligned clauses in your contracts, 12 October
- Making Resilient Cities 2030: Leaving no municipality behind, 19 October
- Moving goods: Low carbon action plan for urban freight, 26 October
- Climate resilience insurance for cities: The way forward, 26 October
- The path to finance: How to pitch climate projects - TAP Asia-Africa pitch event, 28 October

EVENTS AT WHICH KEY MESSAGES OF DARING CITIES 2021 WERE SHARED

- [Innovate4Cities Conference](#), 11-15 October
- [UN Kunming Biodiversity Conference COP15](#), 13 October
- [EU Regions Week](#), ICLEI and OECD Session, 13 October
- [UN25 in Bonn](#), 24 October – ICLEI as one of the 25 Voices for UNBonn25
- [Seoul Mayors Forum](#), 26-28 October
- [World Cities Day](#), 31 October



DARING CITIES CORNERSTONE 3 ADVOCATE



ICLEI acts as the focal point of the [LGMA constituency](#) since the first UNFCCC Conference of Parties (COP) in 1995, and in doing so oversees the coordination of drafting inputs to the negotiations, the mobilization of delegations to the COPs and bridges the dialogue between the UNFCCC Secretariat and cities and regions. In 2021, ICLEI was able to bring the outcomes of Daring Cities 2021 to [COP26](#) in Glasgow, Scotland.

MULTILEVEL ACTION AND CLIMATE EMERGENCY IN THE LGMA COP26 ROADMAP

The voice of cities, towns and regions at the UNFCCC process is represented by the Local Governments and Municipal Authorities (LGMA) Constituency where ICLEI acts as the focal point. The LGMA inputs to COP26 were compiled in the LGMA Glasgow [Time4Multilevel Action Roadmap](#) and announced at the [press conference hosted by ICLEI at the UNFCCC COP26 Blue Zone Media Center on 31 October 2021](#), on the first day of COP26 overlapping with the World Cities Day.

The LGMA COP26 Roadmap particularly refers to the urgency of multilevel action in the age of climate emergency, which is the special focus of Daring Cities, and is enriched with significant contributions from the Daring Cities 2021 Call for Transformation.

Our emphasis on the fact that more than 60 countries raised their national climate ambitions through engagement with their local and regional governments and our call for COP26 to embrace multilevel action as the new normal in the 2nd phase of the Paris Agreement, have been recognized as powerful messages of the LGMA Constituency throughout the interactions at COP26.



MULTILEVEL ACTION AND CLIMATE EMERGENCY IN THE GLASGOW CLIMATE PACT AND OTHER COP26 OUTCOMES

COP26 concluded with the Glasgow Climate Pact, which refers to three distinct but complementary decisions under the UNFCCC, the Kyoto Protocol and the Paris Agreement. In addition to the other specific and important references, the adoption of the last preamble paragraph of the [Glasgow Climate Pact](#) under the UNFCCC and the Paris Agreement that “highlights the urgent need for multilevel and cooperative action”, which was inserted to the draft texts of the UK COP26 Presidency, was a particular result of the targeted and globally-coordinated advocacy mobilization of the LGMA Constituency, also through Daring Cities 2021. The COP26/CMA3 request to national governments to present revised NDCs by COP27 is an opportunity to advance further on multilevel NDCs and to build upon commitments under Race to Zero, Race to Resilience and other COP26 announcements.

The [CMA3 \(Paris Agreement\) Decision on Article 6.8](#) kicks-off a new process to define modalities of non-market approaches to climate finance, creating suitable conditions to position “sustainable, integrated urban and territorial development” as part of this new process.

The Glasgow Workprogramme on Action for Climate Empowerment contains numerous strong references to local and regional governments to enhance global climate action through education, training, public awareness/ access to information/ participation and international cooperation.

ICLEI’s proposal to the UN Secretary General to create a Multilevel Action Task Force on Climate Emergency complemented the vision of the UN Secretary General to move climate action after COP26 into an “emergency mode”.



The announcement by the Scottish Government for a voluntary contribution to a Loss-and-Damage Facility builds a strong case for sub-national governments to play a significant role

to build trust on climate justice, solidarity and ambitious action in the age of climate emergency towards COP27.

DARING CITIES 2021 PARTNERED WITH THE COP26 MULTILEVEL ACTION PAVILION

The [COP26 Multilevel Action Pavilion](#), convened by ICLEI as the LGMA Focal Point, hosted by the Scottish Government and supported by more than 20 partners globally, served as the home of cities, towns and regions in the COP26 Blue Zone. Daring Cities was presented as one of the partners to the COP26 Multilevel Action Pavilion, pursuant to the vision that COP26 is part of the Cornerstone-3 of the Daring Cities 2021. The COP26 Multilevel Action Pavilion was designed as the first hybrid pavilion of LGMA at a UNFCCC COP meeting. The COP26 Multilevel

Action Pavilion, with more than 60 events throughout the 2 weeks of COP26, was followed by an active and packed audience through the in-person arrangements as well as more than 2200 accredited participants through the virtual platform. The virtual participation infrastructure and communication tools of the COP26 Multilevel Action Pavilion were built on the experience of Daring Cities 2021. The accessibility, flexibility and numerous other specific features of the platform was widely praised by all participants and delegates.





BRINGING DARING CITIES LEADERS TO COP26

The LGMA Delegation to the UNFCCC COP26 Blue Zone consisted of more than 400 representatives of local and regional governments, accredited by their networks or national governments, delivering 12 official UNFCCC interventions and hosting numerous events at UNFCCC COP26 Blue Zone or at the UK Green Zone, Glasgow Zone or Edinburgh/Scotland Zone. The COP26 Multilevel Action Pavilion enabled virtual participation as well. Around 15 of cities and regions that were included in the 26 Daring Cities Compendium of Good Practices were presented at various sessions of the COP26 Multilevel Action Pavilion. Approximately 20 leaders and other representatives participating at the Daring Cities 2021 played an active role throughout these 2 weeks, in particular at strategic events such as UNFCCC interventions, press conferences and a meeting with the UN Secretary General, UNFCCC Executive Secretary and the COP26 President.





DARING CITIES 2021 IN NUMBERS

PARTICIPANTS



4513 registrants



2904 attendees



130 countries



800 cities

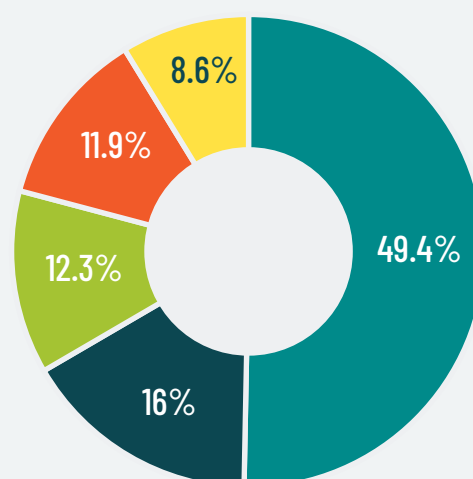


626 local & regional governments
representatives



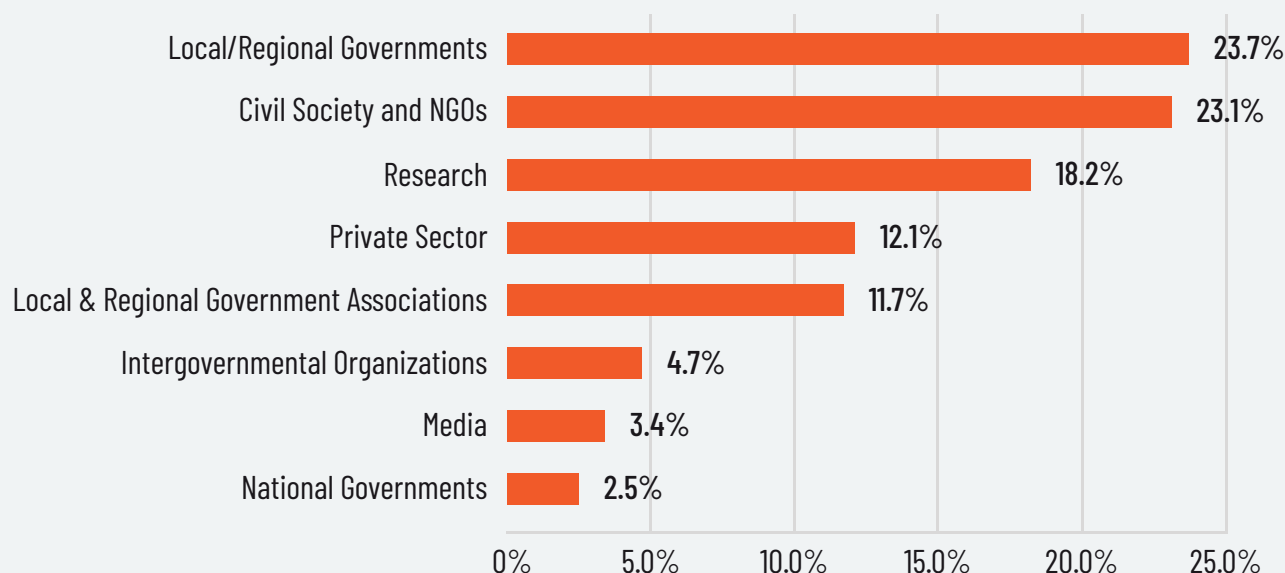
476 local & regional governments

ATTENDEES BY REGION



■ Europe
■ North America
■ Asia
■ Latin America & Caribbean
■ Africa

ATTENDEES BY ORGANIZATION TYPE



CORNERSTONE 1

 **1508** registrants

 **1294** attendees

 **98** countries

 **550** cities

 **289** local & regional governments

CORNERSTONE 2

 **782** registrants

 **364** attendees

 **121** countries

 **200** cities

 **55** local & regional governments


CORNERSTONE 3

 **2510** registrants

 **2258** attendees

 **107** countries

 **756** cities

 **386** local & regional governments

EVENTS

TOTAL 83

- Cornerstone 1
- Cornerstone 2
- Cornerstone 3

