

# ICLEI IN THE URBAN ERA



OUR VISION FOR A  
SUSTAINABLE URBAN WORLD

April 2021



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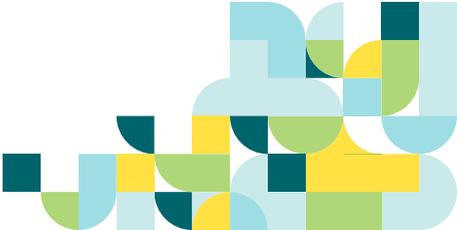
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# INTRODUCTION

## WE LIVE IN AN URBAN CENTURY.

More than ever, our cities, towns and regions are at the frontline of a globally changing world, and our local and regional governments need to rapidly act on changes occurring in nearly every dimension of urban life.

The development challenges, including global public health crises such as COVID-19; the increasing impacts of climate change, biodiversity loss, land degradation and demographic change; the lack of resilience in our urban systems, processes and approaches; the need to end systemic inequities and poverty and to better understand and apply technological advancement, are particularly visible in our urban environments and require urgent action from subnational governments.

Cities, towns and their surrounding regions are centers of opportunity and prosperity and, indeed, act as important hubs of economy, innovation and co-creation, production, consumption, as well as social and cultural interaction. At the same time, numerous cities, towns and regions are places where deep poverty and inequity prevail, and where severe natural degradation proliferates with ecosystems pushed past their thresholds.

As our urban areas rise, grow and change, so do the demands and pressures on our finite natural resources, further reinforcing disparities and vulnerabilities in communities across the world.

Therefore, the only way forward is to urgently reverse this trend and drastically re-orient the patterns of our daily life, our built environment and the natural systems in and around our cities.

We have now a unique opportunity to “build back better”, to develop resilient communities and systems and to discontinue the unsustainable approaches that became so obvious through the global pandemic. We must create an urban world that is sustainable and resilient!





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**ALFREDO CORO**  
**SPECIAL ADVISOR**

*to the Climate Action and Low Emission Development portfolio Global Executive Committee*  
Vice Mayor,  
Municipality of Del Carmen, Philippines



**DATUK SERI IDRIS BIN HARON**  
**SPECIAL ADVISOR**

*to the Resilient Development and Risk Management portfolio Global Executive Committee*  
State Minister of District and Rural Development, Flood Management and Green Technology, State of Melaka, Malaysia



**SR HAJI ROZALI BIN HAJI MOHAMUD**  
**SPECIAL ADVISOR**

*to the Climate Action and Low Emission Development portfolio Global Executive Committee*  
Mayor, Seberang Perai Municipal Council, Malaysia



**ANA OREGI**  
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**SPECIAL ADVISOR**

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*to the Climate Action and Low Emission Development portfolio Global Executive Committee*  
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# MESSAGE FROM GINO VAN BEGIN

ICLEI SECRETARY GENERAL

In our urban era, the way cities, towns and their surrounding regions grow, develop and change will play a decisive role in global development. Today, ICLEI uses the power of our network to ensure that local sustainability delivers on the goals and aspirations of the global sustainable development agenda.

Our growing network works with more than 2500 local and regional governments worldwide, representing small, large, and fast growing cities, vast metropolitan areas, provinces and connected regions. ICLEI as a network IS the diversity of the urban world, and the challenges and opportunities that come with it.

We are now faced with a generation-defining challenge. The COVID-19 pandemic response is a rare opportunity to change the trajectory of our development on the planet.

Now is the time to make the choice to rapidly move from the extraction-based model of the past century into a truly renewable, resilient, nature-based model that can accept the limits of our world.

Through the ICLEI Malmö Commitment and Strategic Vision 2021-2027, ICLEI's local and regional governments have set a way forward towards that transformation. It builds on what we first set out in Montreal in 2018, further elaborating our vision of integrated sustainable development. ICLEI offices around the world will be guided by this vision, taking on the ICLEI Malmö Action Plan to facilitate deep and lasting change globally.

ICLEI is and has always been committed to creating global change through work that starts on the local level. Together we must demonstrate visionary leadership, lead by example, share our knowledge actively and openly and speak with a united voice. Our Malmö Commitment and Strategic Vision is a critical part of that promise.



**THE ICLEI MALMÖ  
COMMITMENT AND  
STRATEGIC VISION  
2021-2027**

This ICLEI Malmö Commitment and Strategic Vision was adopted by the ICLEI Council on 12 April 2021, in advance of the ICLEI World Congress 2021-2022 Virtual Launch, hosted by the City of Malmö, Sweden, and is referred to as the ICLEI Malmö Commitment and Strategic Vision 2021-2027.

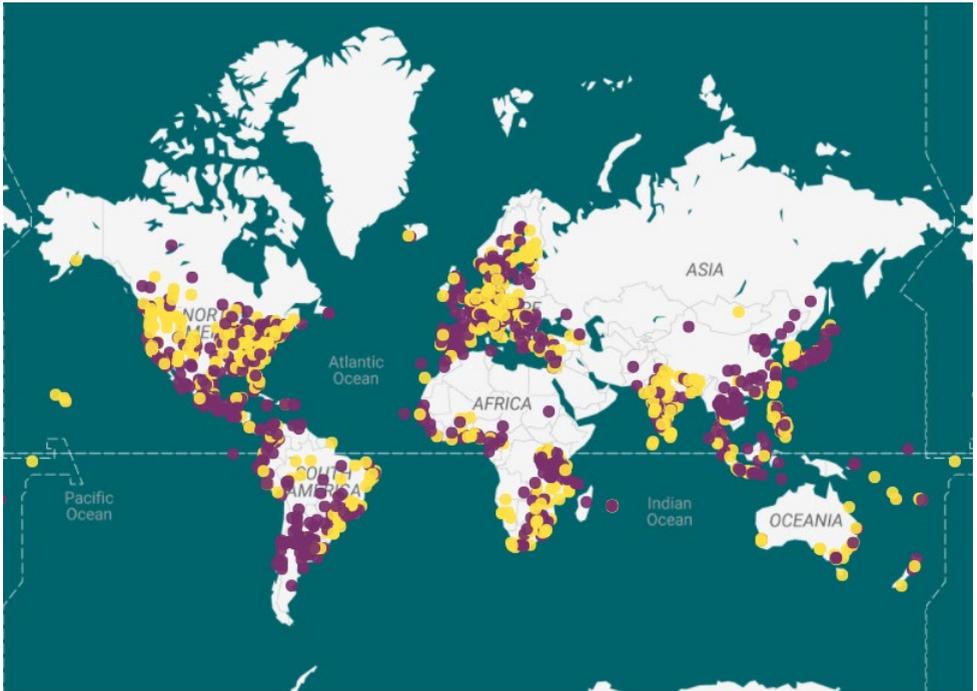
The ICLEI Malmö Commitment and Strategic Vision 2021-2027 provides strategic orientation for action by the ICLEI network Members, of any size, at any subnational level, in any region, and where a model of sustainable development is either already in place or will soon be implemented.

The ICLEI Malmö Commitment and Strategic Vision 2021-2027 lays out how the ICLEI network will advance sustainable urban development, from 2021 through 2027, locally and globally, in an era where the local, regional, and national governments are continuing to respond to and recover from the COVID-19 pandemic, while advancing urgent action on climate, nature, land and health.



ICLEI IS DRIVING SUSTAINABLE URBAN DEVELOPMENT WORLDWIDE





● ICLEI Network local and regional governments
 ● ICLEI Member local and regional governments

The ICLEI Malmö Commitment and Strategic Vision 2021-2027 informs the ICLEI Malmö Action Plan 2021-2027, a compendium of programs, projects, initiatives, research, tools, methodologies, networks, partnerships, events, capacity building and advocacy which ICLEI offices will undertake together with the ICLEI local and regional governments.

The compendium is a living list to which new activities shall be added each year and ongoing activities shall be updated as necessary. The ICLEI Malmö Action Plan 2021-2027 demonstrates the breadth of the activities by detailing the region(s) in which the activity is taking place and the local and regional governments actively participating in the activity.





OUR CHALLENGE – LIVING IN AN URBAN CENTURY

# BUILDING A SUSTAINABLE URBAN WORLD FOR ALL

## THE ICLEI MALMÖ COMMITMENT AND STRATEGIC VISION 2021 - 2027

### **OUR CHALLENGE – LIVING IN AN URBAN CENTURY.**

More than ever, our cities, towns and regions are at the frontline of global change and our local and regional governments need to rapidly act in nearly every dimension of urban life.

The development challenges, including global public health crises such as COVID-19; the increasing impacts of climate change, biodiversity loss, land degradation and demographic change; the lack of resilience in our urban systems, processes and approaches; the need to end systemic inequities and poverty and to better understand and apply technological advancement, are particularly visible in our urban environments and require urgent action from subnational governments.

Cities, towns and their surrounding regions are centers of opportunity and prosperity and, indeed, act as important hubs for economic opportunity, innovation, co-creation, production, consumption, inclusivity and social and cultural interaction. At the same time, numerous cities,

towns and regions are places where systemic socio-economic fault lines expose deep divisions, inequalities, inequities and entrenched structural poverty. These areas are also often the urban epicentres of severe land and natural system degradation, and where ecosystems are pushed past their functional thresholds.

As our urban areas expand and change, so do the demands and pressures on our finite natural resources, thus further reinforcing disparities, vulnerabilities and economic losses. Subsequently, resources derived from such collapsing ecosystems are insufficient and of poor quality which directly results in the depletion of traditional revenue sources upon which local communities and their governments depend for basic needs and service delivery.

The new Decade of Action for Sustainable Development has commenced in January 2021, and the United Nations Secretary General stated in December 2020 that “to put it simply, the state of the planet is broken” and “(h)umanity is waging war on nature”.



The only way forward is to urgently and collectively reverse this trend and drastically re-orient the patterns, including the macro-level social and economic frameworks of our daily life, redesign our built environment, align with nature and restore the natural systems in and around our cities.

We have now a unique opportunity to redesign our shared urban future and relationship with the planet, “build back better”, to ambitiously and with newly shared resolve co-create a new journey for all to develop resilient, inclusive communities and

rights-based transitions to discontinue the unsustainable approaches that have become so obvious through the global Covid-19 pandemic and initial recovery attempts. In the decade now upon us, we may well have the last and best opportunity granted to humanity to create a new, accessible and just urban world that is inclusive, sustainable and resilient for all!

We know - through history and experience - that such fundamental change often springs from cities and urban centers as powerful, rich and diverse centers and agents of change.





THEORY OF CHANGE – OUR ICLEI COMMITMENT:  
BUILDING SUSTAINABLE CITIES, TOWNS,  
REGIONS AND AN URBAN WORLD FOR ALL

## **THEORY OF CHANGE - OUR ICLEI COMMITMENT: BUILDING SUSTAINABLE CITIES, TOWNS, REGIONS AND AN URBAN WORLD FOR ALL.**

When a group of forward-thinking cities founded ICLEI in 1990, they took action for sustainability, well before sustainable development was the predominant model for change. The entry point was protecting and conserving the environment. Since then, ICLEI has evolved with a focus on mainstreaming sustainable development in all aspects of life, within and interacting with all who congregate, live, trade, work, co-create and recreate in and around our cities, our towns and our regions.

Being part of ICLEI nurtures our collective potential for co-creating and enabling positive change. Our ICLEI network reaches well over 2500 cities, towns and regions and is widely recognized as a leading organization with visionary leaders acting worldwide. We represent small, large and often fast-growing cities, towns, and counties, vast metropolitan areas, capitals, provinces and regions. We are deeply united in our commitment to inspire, learn from and work with each other and others on our shared journey towards a sustainable and equitable urban world.

With the start of the Decade of Action in 2021 and through the UN sustainability frameworks in place towards 2030 and 2050, notably the Paris Climate Agreement and new commitments (NDCs), the Sustainable Development Goals (SDGs) and the New Urban Agenda – for which we advocated intensively over the last decades - we must now, more than ever, implement the global sustainable development agenda in collaboration with all levels of government, the private sector, academia/research, and civil society.

We must sustain and scale up these actions over the span of this decisive decade for both people and planet alike.

Therefore, we commit to:

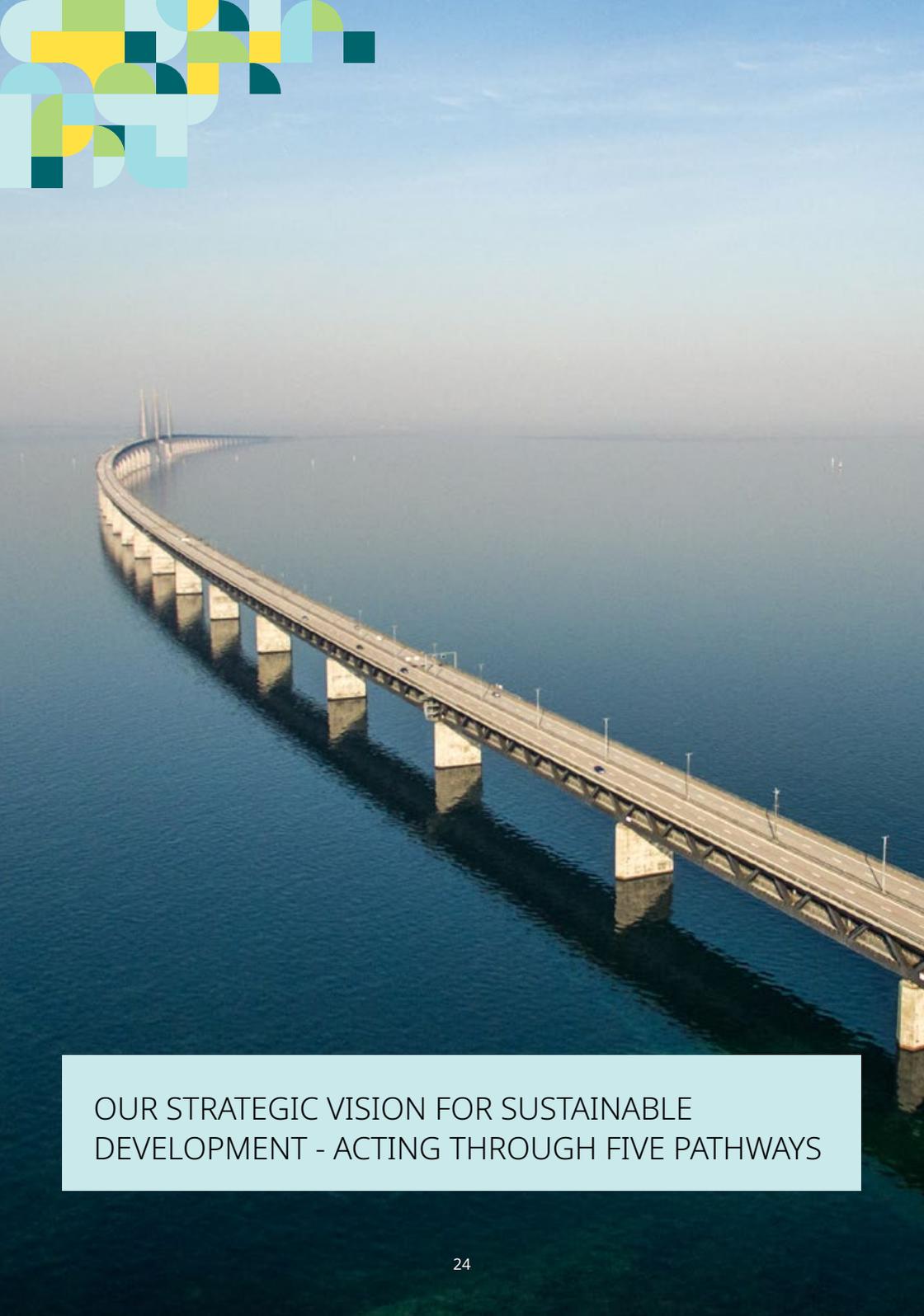
- significantly scale up and expand the model of sustainable cities and regions. We regard sustainable development not just as smart, but as inclusive and fundamental to life on Earth; it is a right of all and not a privilege of a few.
- enable a massive and collective whole-of-society and whole-of-government shift towards sustainable development in and among our jurisdictions, entrenching sustainability as the most fundamental and inextricable component of all local, national and global development and cooperation in and across jurisdictions.

- tackle the most pressing issues of our time in more fundamental, systemic, just, inclusive and equitable ways than ever before, and, in doing so, take profound decisions in the long-term interests of both people and planet that will ensure resilience of systems and approaches. We will strengthen our local, metropolitan and regional governance to effectively implement our land use planning and sustainability plans.
- move to a global economy that factors in the environmental planetary health and human well being along GDP to measure prosperity, wealth and wellbeing. We know that more than half of our global GDP depends on nature and that many “free” services provided by nature are yet to be accounted for, such as carbon sequestration, temperature control, or purification of air, etc.
- undertake a collective local effort for global change, pushing for action in all sectors, by key partners and all levels of government. The sum of our efforts - policies, actions and investments - will catalyze the global change that humanity needs in this urban century.
- invest in sustained behavioural change campaigns and programmes in order to drive a new shared vision for sustainable and dignified lifestyles which respects planetary needs and boundaries, addresses entrenched inequalities, breaks the chains of structural poverty and actively challenges the status quo of the prevailing world order which has lead us down a treacherous path towards the dire, indeed broken, state the planet and all life it must sustain, finds itself in at the down of this all-important and decisive decade.



WE MUST SUSTAIN AND SCALE UP THESE ACTIONS OVER THE SPAN OF THIS DECISIVE DECADE FOR BOTH PEOPLE AND PLANET.





OUR STRATEGIC VISION FOR SUSTAINABLE  
DEVELOPMENT - ACTING THROUGH FIVE PATHWAYS

## OUR STRATEGIC VISION FOR SUSTAINABLE DEVELOPMENT - ACTING THROUGH FIVE PATHWAYS.

As a compass to shape and manage our actions in a rapidly changing world and to transform our cities, towns and regions, we will drive action through **five critical, strategic and interlinked pathways that are the basis of sustainable urban development:**

- I. **Low emission development:** to achieve a net-zero emission (climate neutral) future, with actionable and substantive solutions that accelerate and drive integrated local climate and energy action, and a coherent investment portfolio. 
- a. We will drastically reduce all environmentally harmful pollutants and emissions from energy (electricity, heating, cooling), transport, waste, the built environment, food systems, and address direct and indirect (including Scope 3) emissions linked to our territory. We will also reduce noise and light pollution. We will drastically reduce greenhouse gas emissions in all our governmental and community-scale activities in all sectors. We commit to implement the Paris Climate Agreement goal of keeping the global warming increase to well below 2°C and will pursue all efforts to limit the temperature increase to 1.5°C above pre-industrial levels.
- b. We will achieve climate neutrality in our governmental infrastructure and operations, as well as in our communities at the latest by mid-century, and therefore will set mid-term targets for 2030, at the least.
- c. Such targets and actions will be reported and achieved, among others by implementing a clear, sustainable climate and energy plan (ideally 100% renewables, divesting from fossil fuels); by decarbonizing the transport sector (by prioritizing walking and cycling and zero-emissions mobility options for people and goods); by promoting and applying nature-based solutions, circular development actions, as well as people-centered, inclusive and equitable actions also considering adaptation to climate change and building resilience.
- d. The ICLEI Green Climate Cities program and the ICLEI Climate Neutrality Framework provide guidance on how to accelerate climate action, and progress is tracked over time through the CDP-ICLEI Unified Reporting System.
- e. These ICLEI initiatives support us to join the UN Race to Zero campaign.



II. **Nature-based development** to protect and restore humanity's broken relationship with nature and the planet, while respecting, treasuring and enhancing biodiversity and the integrity of ecosystems in and around our cities, which underpin our local economies and upon which we depend for the social integrity, well-being and resilience of our communities.



- a. We will prioritize healthy local environments in which air, water, soil, food and all natural resources and their systems that sustain life and health are respected, protected and nurtured in ways that enrich biodiversity and strengthen ecosystems.
- b. We will deploy strategies and inspirational, ambitious whole-of-government and whole-of-society plans and initiatives that use the potential of nature to provide essential ecosystem services sustainably to unlock new economic opportunities in our jurisdictions, by applying nature-based solutions, restore ecosystems, using blue and green infrastructure options and promoting green zones to reconnect and engage with nature in our new urban world. We will support the development of payment for environmental services planning (PES) and projects at the urban level with a view to strengthen urban-rural links and generate resources for reforestation or renaturation actions, water conservation, protected areas, etc.
- c. We will actively design and implement initiatives, also through the ICLEI shared open platforms of CitiesWithNature and RegionsWithNature to drive wide scale behavioral change in urban communities towards lives lived in harmony with nature and within planetary boundaries along the principles of a One Health approach where it is clearly understood that human health and wellbeing are intrinsically linked to the health and wellbeing of the planet itself.
- d. We will commit to working together through the CitiesWithNature and RegionsWithNature platforms to share, connect, pioneer and learn together in our journey with nature in reshaping the city of today for our future generations and all life on earth, a city where nature is an integral part of the lives of all who live, work and play in the city and wherein nature thrives. In doing so we will use these two platforms to commit our biodiversity and nature-based aspirations, goals and targets and report on our individual and collective progress towards achieving these aspirations, goals and targets.

III. **Circular development** to decouple urban economic development and well-being from resource consumption and waste generation. In collaboration with citizens, businesses and the research community, we will promote the transition from a linear to a circular economy in an integrated way that supports new enterprise, creates dignified jobs, and that inspires aspirational, quality lives for our citizens.



- a. We will lead a just transition to a circular economy in our city/town/region. We will engage infrastructure, business and community development perspectives to ensure access to quality resources and services, while creating local jobs and collective prosperity.
- b. We will integrate a Circular Development mindset and practice into all our municipal services.
- c. Our vision is to become Zero Waste Cities/Towns/Regions and have our residents practicing a lifestyle carbon footprint of 2.5 tCO<sub>2</sub>e per capita which is recommended as the healthy limit for our planet to stay within the 1.5 Degree cap.
- d. We will facilitate a just transition towards an economic system that is not reliant on fossil fuels and other destructive resource extraction.
- e. The 'ICLEI Circulars' platform of leading ICLEI network members and practitioners will inspire, guide, co-create and scale up circular economy actions in cities based on the Regenerate - Rethink - Reuse - Reduce - Recover (the 5R) strategies.



WE WILL PROMOTE THE TRANSITION FROM A LINEAR TO A CIRCULAR ECONOMY IN AN INTEGRATED WAY THAT SUPPORTS NEW ENTERPRISE, CREATES DIGNIFIED JOBS, AND INSPIRES ASPIRATIONAL, QUALITY LIVES FOR OUR CITIZENS.



IV. **Resilient development** to anticipate, prevent, absorb and recover from shocks and stresses, in particular those brought about by rapid environmental, technological, social and demographic change, and to improve essential basic response structures and functions of the systems.



- a. We will make resilience a core part of our sustainability strategies and prepare for new risks and impacts taking into account the rights and needs of vulnerable sections of our society.
- b. We will continuously strengthen our essential systems, including in government operations and on community-level, to prevent, absorb and recover from shocks, stresses and unforeseen changes, alleviating the burden on people and the environment.
- c. We will pursue a transparent and inclusive approach that will enhance trust in our institutions and the processes that support them thereby increasing system resilience.
- d. The ICLEI Resilience Methodology and the UN Making Cities Resilient 2030 campaign will support us in the design, creation and implementation of our resilient-oriented actions and activities.
- e. These ICLEI initiatives support us to join the UN Race to Resilience campaign.

V. **Equitable and people-centered development** to build more just, livable, happy and inclusive urban communities, address the systemic causes of poverty and injustice, and effectively dismantle existing societal and environmental inequities while safeguarding the natural support systems for human life and ensuring that the natural and built environment in and around communities improves livability, opportunity, equality, safety, justice and health.

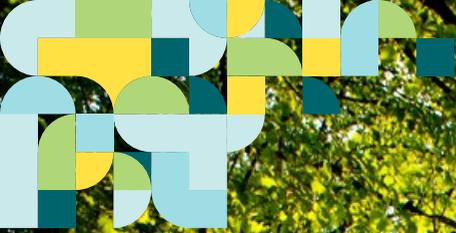


- a. We will pursue affordable, secure and convenient access to quality or safe water and sanitation, nutritious food, healthcare, quality education, quality housing and climate resilient infrastructure, sustainable energy, safe, reliable and sustainable mobility, clean air and productive soil, information and communication technologies, and secure, dignified employment.
- b. In particular, we share the vision that accessible, inclusive, and equitable mobility systems are essential for the health and wellbeing of our communities. We will adopt people-centered mobility approaches and solutions by prioritizing and integrating walking, cycling, public transport, and shared light electric vehicles. We will work together to pursue sustainable urban freight and logistics through integrated urban planning, evidence-based policy-making, testing innovative solutions, and fostering knowledge exchange to accelerate actions and influence national and global agendas.
- c. We will prioritize policies and initiatives that support just and equitable communities for all and that equip citizens with agency to address their needs, meet their aspirations and participate in governance processes.
- d. We will support policies and programs that actively reduce climate stressors that may lead or are causing climate migration, and will work on particular frameworks with and for residents that may or need to leave their homes due to climate stressors.
- e. We will create and sustain human-centered, safe, and socially-cohesive communities in which all community members have a voice, and where diversity and distinct identities are woven into the social fabric.



WE WILL CREATE AND SUSTAIN HUMAN-CENTERED, SAFE, AND SOCIALLY-COHESIVE COMMUNITIES.





OUR POLICY APPROACHES DRIVE GLOBAL TRANSFORMATION AND ACHIEVE SUSTAINABLE DEVELOPMENT FOR ALL

## **OUR POLICY APPROACHES DRIVE GLOBAL TRANSFORMATION AND ACHIEVE SUSTAINABLE DEVELOPMENT FOR ALL.**

By applying sustainable development principles within a local and regional context, the ICLEI network effectively addresses and reverses detrimental practices, bridges divides, restores our relationship with the planet and connects actors, sectors and regions of the world.

To support this commitment and strategic vision, we strengthen transformative, systemic and innovative niches of sustainability, undertake necessary regulation, mitigate and manage social and environmental risk and halt the many manifestations of unsustainable behavior in our jurisdictions.



## GOVERNANCE & MANAGEMENT: SUSTAINABLE DEVELOPMENT IS A COLLECTIVE EFFORT.

- I. **We will prioritize diversity and inclusivity across our administrations and communities.** Diversity in race, color, religion, creed, gender, age, physical and mental capabilities, and sexual orientation has ever been our source of strength, innovation and new ideas. We will engage and include disadvantaged and marginalized population groups. We celebrate the diversity of the communities we represent and ensure that the distinct voices and interests within them are heard.
- II. **We will strengthen cooperation at a regional scale.** Cities, towns, counties and regions are inextricably linked with, and depend upon, the inter-connection of urban, peri-urban and rural areas, considering their ecosystems and services we all depend on for our health, wellbeing and livelihoods(e.g. energy, water, waste, transport). We will therefore formulate and implement urban sustainable development strategies that are designed with a cooperative territorial and supply-chain approach.
- III. **We will bring the voice of our citizens to the global sustainable development debate.** Local, national and global policy must be shaped from the ground up and designed from the outset to be implementable at the local level. We are the governmental level closest to the citizens of the world, and we can best demonstrate how development decisions impact their real lives, every day. It is our duty to engage with the people of our communities, to understand their perspectives and to spread their messages globally. We will unite our voices and advocate for appropriate, formal agency, representivity, consultation and hearings at all relevant international organizations, agencies and institutions.
- IV. **We will foster strong partnerships to advance global sustainability.** Delivering on the global sustainable development goals requires coordinated action across national, regional and local governments, multilateral organizations, international agencies, research and development institutions, as well as civil society. We will push to define sustainable development as a joint effort, positioning all levels of government to rapidly and boldly advance global sustainability goals and seek support for our actions, including finance, capacity building, research and innovation. We will work in partnership, from the UN level to the local level, to expand sustainability across the urban world.

## INNOVATION & SCIENCE: SUSTAINABLE DEVELOPMENT MUST WORK WITH AND FOR ALL.

- V. **We will use digital technologies as a tool for inclusion and safeguard sustainability-driven digitalization.** Our connected, technological world creates many new challenges and risks for sustainable cities, including data security risks, increased infrastructure vulnerability and large resource use. At the same time, technology provides new tools for community engagement, data collection and co-creation of solutions. We will promote conscious, sustainability-driven use of these tools to promote citizen-driven action, crowdsourced ideas and co-designed solutions, bridging all forms of the social divide. We will use these open processes to empower communities and to enable citizens to drive digitalization transparently, democratically, safely, responsibly and in line with sustainability principles.
- VI. **We will promote evidence-driven and science-based policy and action at all levels of government.** Scientific evidence, policy and practitioner expertise are the foundation of sound policy. We will improve the collection, co-creation and dissemination of data, information and knowledge, to inform decision-making and action. Scientifically sound knowledge, accurate information and data trends can help to accelerate local action, as well as enhance transparency and accountability in the process. This can inform national and global conversations and processes, making sure that decisions are connected to what happens on the ground. We will empower our officials and leaders to collaborate with the scientific community, increase funding for urban research, craft and jointly pursue targeted research agendas as well as co-create and apply new knowledge and insights. We will do this in a manner which respects multiple ways of knowing and honors the origination of ideas, tools and practices. We will also ensure that all research benefits those who have participated in it.
- VII. **We will drive innovation through city-to-city and city-business collaboration and create space for open innovation.** Participatory planning and development has entered a new age of co-design and co-creation. We will set up partnerships with institutions and communities to generate ideas, test solutions and evaluate the potential impacts of new policies based on real-life scenarios.



SCIENTIFIC EVIDENCE, POLICY AND  
PRACTITIONER EXPERTISE ARE THE  
FOUNDATION OF SOUND POLICY.



## **FINANCE: SUSTAINABLE DEVELOPMENT NEEDS INNOVATIVE MODELS OF FINANCE**

VIII. We will shift the financing, investment and procurement landscape. All the aforementioned activities require financing and investment. We will seek funding and investment partnerships to support our long term commitment. Making funds more directly accessible to all levels of government and distributing these fairly is essential to advance sustainable development at our level. We will push to unlock financing for our projects and will design innovative local mechanisms to raise capital and increase sustainable investments with transformative potential. We will use our public procurement potential as an instrument to accelerate the uptake of sustainable and innovative products and services.



## CONCLUSION

Sustainable development is the only viable way forward in today's world.

We will deliver visionary leadership and political support to accelerate action on sustainable development worldwide. We will lead by example, share our knowledge openly and speak with a united voice. We will create lasting mechanisms for change that make sustainability a permanent framework, informing all development decisions. This global imperative is vulnerable to political shifts at any moment – and we need durable forces to carry us forward.

The ICLEI Malmö Commitment and Strategic Vision is our pledge to make sustainable development the only model for development in the urban 21st century. Our joint programs, projects, initiatives, research, capacity building and advocacy in ICLEI drive worldwide action towards sustainability.

Our mutual support for, and solidarity with, one another are core reasons why we are part of ICLEI.

Our interactions build a global movement that includes a growing number of local and regional governments worldwide. We spark local action at a global scale and in doing so we leverage the power of the ICLEI network to deliver on the global sustainability imperative.



THE WORLD IS WATCHING OUR ACTIONS  
AND TAKING CUES FROM OUR AMBITION!





# THE ICLEI MALMÖ ACTION PLAN 2021 - 2024

# THE ICLEI MALMÖ ACTION PLAN 2021-2024

Cities are complex systems. The components of urban systems, from food distribution networks and energy grids to transport and greenways, are interconnected and dynamic. Intervening to create change in any one of these components may impact others, creating systemic change. Designing solutions that take these interconnections into account is critical to sustainable development and has a marked impact on urban citizens.



THE ICLEI MALMÖ ACTION PLAN 2021-2024 IS A COMPENDIUM OF CONCRETE ACTIONS THAT ICLEI IS UNDERTAKING WITH THE ICLEI LOCAL AND REGIONAL GOVERNMENTS TO ACHIEVE SUSTAINABLE DEVELOPMENT THROUGH THE FIVE PATHWAYS.

The five ICLEI pathways towards low emission, nature-based, equitable, resilient and circular development are designed to create systemic change. The pathways are a framework for designing integrated solutions that balance the patterns of human life and the built and natural environments. They are a basis for sustainable urban development that considers the complexity of urban systems.

The pathways encourage holistic thinking to ensure that ICLEI optimizes our impact. We design our work to integrate as many pathways as possible. When more pathways are integrated into any given activity, such as a project, partnership or initiative, a greater degree of change can occur.

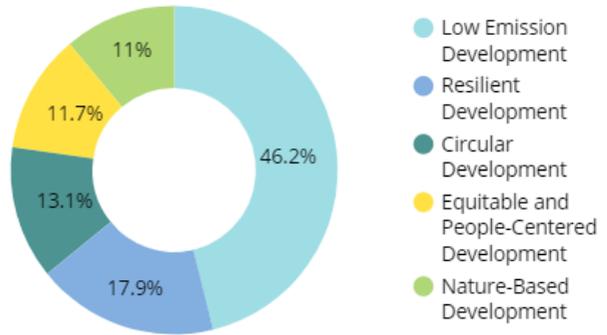
For instance, we consider how nature-based development contributes to resilience, or how to bring equity into low emission development.

When these pathways guide local and regional development, urban systems become more sustainable. Local and regional governments use these pathways to achieve sustainable urban development through systemic change. Each individual pathway is multidimensional, incorporating numerous strategies for sustainable development. As part of the low emission pathway, for example, we look at anything from transport and buildings to energy, waste, health and economic impact.

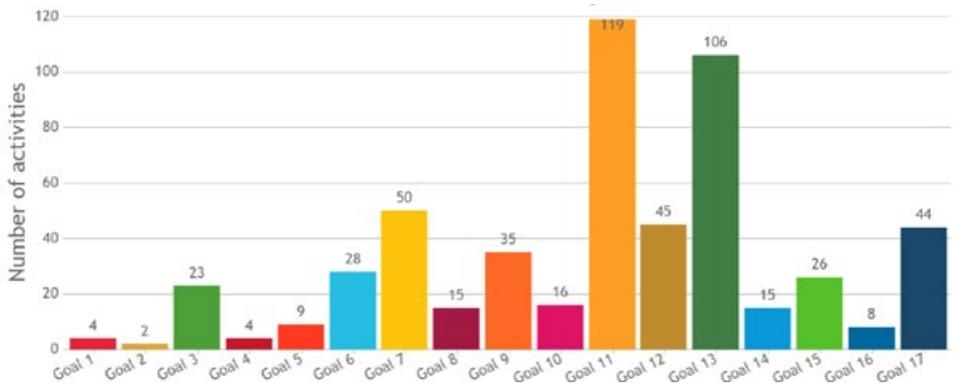


The ICLEI Malmö Action Plan 2021-2024 builds upon the success of the ICLEI Montréal Action Plan 2018 - 2021, launched at ICLEI World Congress 2018 in June 2018. Over the three-year period of its implementation, ICLEI completed 146 activities across all five of its pathways, involving 1,278 cities, towns and regions from around the world.

## ACTIVITIES BY PATHWAY: 2018-2021



## NUMBER OF ACTIVITIES PER SDG



# ICLEI ACTIVITIES COMPLETED 2018 - 2021

**1,278**

**CITIES, TOWNS  
AND REGIONS  
INVOLVED**

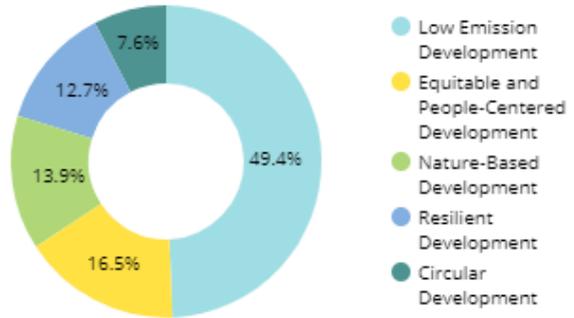
**146**

**ACTIVITIES  
COMPLETED**



Informed and driven by the ICLEI Malmö Commitment and Strategic Vision 2021-2027, the ICLEI Malmö Action Plan 2021-2024 is the compendium of programs, projects, initiatives, research, tools, methodologies, networks, partnerships, events, capacity building and advocacy that ICLEI engages on together with local and regional governments.

## ACTIVITIES BY PATHWAY

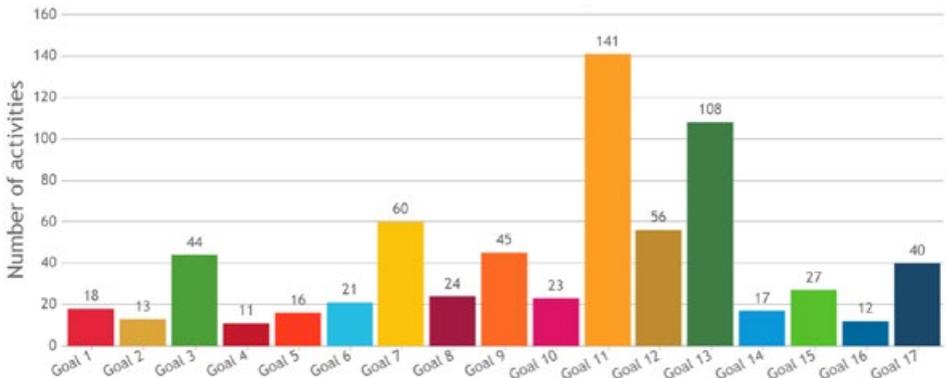


As a living list, the ICLEI Malmö Action Plan 2021-2024 and the activities which comprise it will be updated each year, and new activities shall be continuously added. As of April 2021, the ICLEI Malmö Action Plan 2021-2024 includes **141 activities** involving well over **1,100 cities, towns and regions** around the world.

The ICLEI Malmö Action Plan 2021-2024 shows the region(s) in which the activity occurs, and the local and regional governments actively participating, if applicable.

Each activity is guided by a predominant pathway or set of pathways. In any given city or region, multiple activities may be implemented along each pathway. These activities help local and regional governments advance sustainable urban development. By incorporating the pathways into our work, entire urban systems become more sustainable.

## NUMBER OF ACTIVITIES PER SDG



# LOW EMISSION DEVELOPMENT



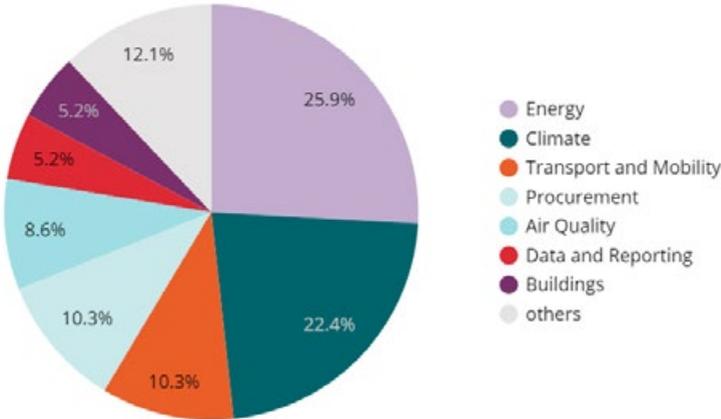
**66** LOW EMISSION DEVELOPMENT ACTIVITIES ONGOING

MORE THAN **1,000** CITIES, TOWNS AND REGIONS INVOLVED

**98** COUNTRIES INVOLVED

Low emission development curbs climate change, creates new economic opportunities and improves the health of people and natural systems. It reduces pollutants and emissions, aims to achieve climate neutrality, and promotes renewable energy by divesting from fossil fuels and using nature-based solutions. Successful low emission development promotes sustainable passenger and freight mobility, giving priority to walking, cycling, public transit and shared mobility as part of people-centered solutions.

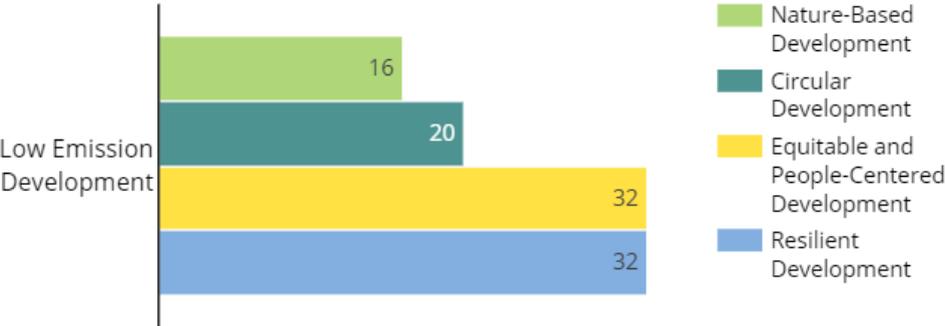
## LOW EMISSION DEVELOPMENT ACTIVITIES BY THEME



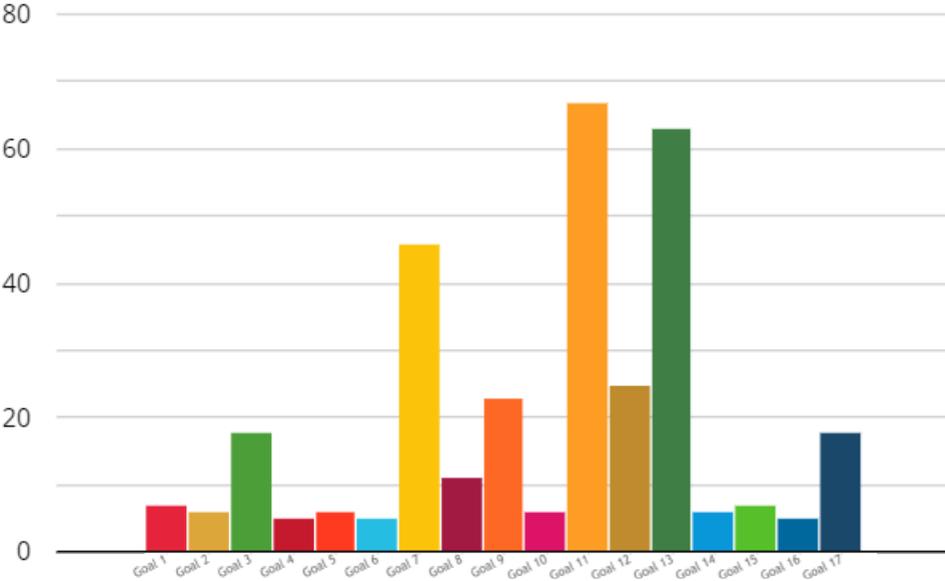
# LOW EMISSION DEVELOPMENT



## RELATED PATHWAYS OF LOW EMISSION DEVELOPMENT ACTIVITIES



## LOW EMISSION DEVELOPMENT ACTIVITIES BY SDGS



# LOW EMISSION DEVELOPMENT



## GLOBAL PROTOCOL FOR COMMUNITY SCALE GHG EMISSIONS INVENTORIES

The further enhancement and development of the Global Protocol for Community Scale GHG Emissions inventories responds to the needs of local governments in strengthen their GHG emissions reports in line with international recommendations and demands of more transparent and robust data sets. This allows local governments to emphasize their efforts for mitigate emissions in specific sectors; sub sectors; gases and activities. Currently all sizes of local governments (including cities, states, metropolitan regions and commonwealths) are using the GPC, which adapts to their particular needs but allows them to feed upper levels of governance if needed as it can be integrated into the IPCC narrative. ICLEI is collaborating on a version that will allow complete integration with the Global Covenant of Mayors for Climate and Energy - Common Reporting Framework. This will enable vertical (multi-level) and horizontal integration of data for reporting entities reducing the effort to report in several standards of frameworks.

## ONE PLANET CITY CHALLENGE

In view of the urgent need to take action for limiting global warming to 1.5°C, WWF's One Planet City Challenges (OPCC) aims at mobilizing local climate action and creating global leadership. The OPCC 2019-2020 assesses cities' climate trajectories against a 1.5°C scenario and gives them feedback for enhanced action. Local governments around the globe have demonstrated ambitious climate commitment and leadership. The OPCC invites cities in participating countries to take part in a friendly competition, by reporting these in CDP and ICLEI's unified reporting system. Through collaboration on the OPCC, ICLEI aims to encourage the reporting of climate related data from local governments around the globe, and to improve the quality of the reported data by checking their submitted data and providing guidance. The OPCC is a vehicle to raise ambition towards climate action globally, as well as to showcase the commitment from local and regional governments.

## ICLEI PATHWAYS



### SDGS

*Goal 7: Affordable and clean energy | Goal 11: Sustainable cities and communities*

### THEMES / FOCUS AREAS

*Data and Reporting  
Climate  
Energy*

### PARTICIPATING LOCAL GOVERNMENTS

*More than 850 local & regional governments worldwide*

## ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 13: Climate action*

### THEMES / FOCUS AREAS

*Data and Reporting  
Climate  
Resilience*

### PARTICIPATING LOCAL GOVERNMENTS

*More than 400 local & regional governments worldwide*



# LOW EMISSION DEVELOPMENT



## GLOBAL COVENANT OF MAYORS FOR CLIMATE & ENERGY

GCoM recognizes that local governments are key to effective climate action, and the cities and partners of the GCoM share a long-term vision of supporting voluntary action to combat climate change. ICLEI provides technical guidance by participating in GCoM's technical working groups, which address mitigation and adaptation in specific data-related sub-groups, including Emissions and Targets; Climate Action Planning; Resilience; and Access to Energy. ICLEI also participates in non-data related groups, including Access to Finance; Governance and Regional Coherence; Research; and Communications. The goal is to unify and centralize how data are reported, using which channels, and how is it communicated to global stakeholders. ICLEI also provides data revision towards GCoM requirements for ICLEI Members and our network of cities.

## 100% RENEWABLES CITIES AND REGIONS NETWORK

The 100% RE Cities and Regions Network supports the renewable energy transition in cities, towns and regions around the globe. It supports local and regional governments to set and achieve 100% RE commitments. This includes capacity building, peer learning and exchange opportunities, technical guidance, a reporting platform to track progress, a project pipeline and support to pitch projects to potential investors, and access to relevant research and findings. The network is managed by ICLEI World Secretariat, and is part of the Global 100% RE Platform. Partners of the Network and Platform implement a diversity of projects that provide technical and other assistance to local and regional governments in the Network. The Network serves as the entry point for local & regional governments to participate in the Global 100% RE Platform. Cities, towns and regions, who have a 100% RE target in at least one sector or committed to explore a 100% RE pathway or commit to sharing of information, knowledge exchange and are interested in international cooperation, are invited to join this network.

## ICLEI PATHWAYS



### SDGS

*Goal 7: Affordable and clean energy | Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production | Goal 13: Climate action*

### THEMES / FOCUS AREAS

*Climate  
Data and Reporting  
Energy*

### PARTICIPATING LOCAL GOVERNMENTS

*More than 350 local & regional governments worldwide*

## ICLEI PATHWAYS



### SDGS

*Goal 7: Affordable and clean energy | Goal 11: Sustainable cities and communities | Goal 13: Climate action*

### THEMES / FOCUS AREAS

*Energy  
Climate  
Finance*

### PARTICIPATING LOCAL GOVERNMENTS

*More than 50 local & regional governments worldwide*

# LOW EMISSION DEVELOPMENT



## CITYFOOD NETWORK

By 2050, 80% of all food produced will be consumed in cities. A sustainable city-region food system can help meet current and future food needs of the population while promoting food security, nutrition and social inclusion, and aligns environmental management strategies on food, water and energy and builds diverse food systems that are more resilient to climate change and disaster risk. Local and regional governments are implementing innovative urban food policies around the world; they are improving the human and environmental health of their communities. With creative partnership and investment, cities will play a key role in the transition to a more sustainable and resilient food system. CITYFOOD accelerates local and regional government action on sustainable and resilient city-region food systems by combining networking with technical expertise through training and policy guidance and facilitating local and regional engagement in international discourse.

## ECOLOGISTICS - LOW CARBON FREIGHT FOR SUSTAINABLE CITIES

Globally, freight represents up to 25% of urban vehicles, occupies 40% of motorized road space and contributes 40% of urban transport-related CO2 emissions - and this number is growing. Urban freight includes a wide variety of services, from waste collection trucks to construction trucks or commercial related trucks. In response to an increasing need by cities to include freight in their plans to reduce emissions, ICLEI is promoting low carbon urban freight policies and practices addressing climate change mitigation and the ambitions of NDCs. By highlighting ecologistics as a priority area for local and national governments the project raises awareness, collects and develops policy recommendations, develops action plans and guides pioneering cities to exemplary action. The project strengthens institutional capacity through multi-level stakeholder participation, implements demonstration projects in cities, and makes national policy recommendations. A project also shares knowledge on best practices, including the development of an urban freight emission assessment tool, and connects local governments to solution providers.

## ICLEI PATHWAYS



### SDGS

*Goal 2: Zero hunger | Goal 11: Sustainable cities and communities | Goal 3: Good health and well-being | Goal 12: Responsible consumption and production | Goal 13: Climate action | Goal 8: Decent work and economic growth*

### THEMES / FOCUS AREAS

*Food Systems and Security  
Urban and Rural Linkages  
Agriculture and Forestry*

### PARTICIPATING LOCAL GOVERNMENTS

*30 local & regional governments worldwide*

## ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 3: Good health and well-being | Goal 13: Climate action | Goal 17: Partnerships for the goals | Goal 9: Industry, innovation, and infrastructure*

### THEMES / FOCUS AREAS

*Transport and mobility  
Policy and advocacy  
Data and Reporting*

### PARTICIPATING LOCAL GOVERNMENTS

*9 local & regional governments worldwide*



# LOW EMISSION DEVELOPMENT



## SOLUTIONSPUS

SOLUTIONSplus is coordinated by the Urban Electric Mobility Initiative (UEMI) and joined by 45 worldwide partners. The project aims to enable transformational change towards sustainable urban mobility through innovative and integrated electric mobility solutions. Project cities demonstrate different types of innovative and integrated e-mobility solutions, complemented by a comprehensive toolbox, capacity development and replication activities. SOLUTIONSplus works closely with the UN Environment and the International Energy Agency (IEA) on a joint global urban e-mobility program that will significantly boost replication and impact of this innovation action.

## CAMPAIGNERS - CITIZENS ACTING ON MITIGATION PATHWAYS THROUGH ACTIVE IMPLEMENTATION OF A GOAL-SETTING NETWORK

Climate change is a human problem, caused by humans, affecting humans, and requiring a human-centric solution. CAMPAIGNers aims to make low-carbon lifestyles a major part of the solution by identifying lifestyle transformation potential, and associated barriers and enablers across 5 continents and 16 major cities with over 20 mil. residents. ICLEI leads the process of creating the goal-setting network as an engaging and insightful resource for citizens, researchers and policy makers. The Lighthouse and Follower Cities are supported by the app marketing specialist Saints to promote downloading and using the app through all available communication channels and networks, targeting a number of 100,000 active participants within the network's first year. The results from the citizen interactions with the goal-setting network will be utilized to co-create policies for supporting citizens to develop more climate-friendly lifestyles.

## ICLEI PATHWAYS



### SDGS

*Goal 9: Industry, innovation, and infrastructure | Goal 11: Sustainable cities and communities | Goal 13: Climate action | Goal 17: Partnerships for the goals*

### THEMES / FOCUS AREAS

*Transport and mobility  
Private Sector Engagement (e.g. Public-Private Partnership)  
Policy and advocacy*

### PARTICIPATING LOCAL GOVERNMENTS

*9 local & regional governments worldwide*

## ICLEI PATHWAYS



### SDGS

*Goal 7: Affordable and clean energy | Goal 11: Sustainable cities and communities | Goal 13: Climate action*

### THEMES / FOCUS AREAS

*Climate  
Data and Reporting  
Science-Based Research*

### PARTICIPATING LOCAL GOVERNMENTS

*9 local & regional governments worldwide*

# LOW EMISSION DEVELOPMENT



## CITY CLIMATE CUP

While rapid urbanization comes with many problems, such as the overuse of resources, climate change and inequality, cities become ever more important, also as motors of innovation. To tackle the social, economic, and ecological challenges, we need new paradigms of innovation and engagement. City Climate Cup measures and benchmarks sustainability progress, celebrates achievements and organizes the sharing of good practices. ICLEI is a Founding Signatory of the City Climate Cup initiative and aims to engage with cities to both encourage participation and highlight achievements through its available channels of communication in order to advocate for urban climate leaders to take the sherpa role for its peers. This activity is designed to encourage citizen participation through the use of apps and other measuring methods in support of its city climate goal in low emission development.

## CITY CLIMATE PLANNER PROGRAM

The City Climate Planner Program (CCPP) is an initiative designed to lower the barrier of entry for cities looking to participate in climate action by providing an affordable way to train city staff in how to prepare inventories and make use of them. The City Climate Planner program ensures urban professionals are equipped to support local climate action planning, including developing greenhouse gas (GHG) emission inventories; climate action planning (low emission development planning); and climate adaptation planning. These efforts are essential building blocks of local planning and policy development efforts of local governments in addressing climate change. The Urban Greenhouse Gas Inventory Specialist credential is City Climate Planner program's first professional certification. It focuses on GHG emission inventories, recognized as a key building block in developing quality climate action plans. Over 20 professionals at ICLEI have been accredited to provide the training.

## ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 3: Good health and well-being | Goal 12: Responsible consumption and production | Goal 13: Climate action | Goal 7: Affordable and clean energy*

### THEMES / FOCUS AREAS

*Energy  
Data and Reporting  
ICT (Information and Communication Technologies)*

## ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production | Goal 13: Climate action | Goal 7: Affordable and clean energy*

### THEMES / FOCUS AREAS

*Energy  
Data and Reporting  
Peer Learning and Knowledge Sharing*



# LOW EMISSION DEVELOPMENT



## CLIMATE AND CLEAN AIR COALITION URBAN HEALTH INITIATIVE

Health arguments can be a powerful incentive and driver for such action, in particular on the city level, where benefits of local policy change translate directly to health benefits among the local population. A significant transformation in the current trajectory of air and climate pollutant emissions requires increased engagement, commitment and action at the global, regional, national and local levels. ICLEI promotes the implementation of short-lived climate pollutant reduction strategies by mobilizing and empowering the health sector and demonstrating the full range of health benefits that can be achieved at the city level.

## CULTIVATING A CULTURE OF SUSTAINABLE CITIES (KYOTO+20)

Recognizing that cities play an important role in leading the way to achieve carbon neutrality in the second half of this century, namely the goals of the Paris Agreement, ICLEI supports cities and regions laying out their vision on a sustainable society in 2050. The declaration lays out a vision for cities leading up to 2050 and encourages cities around the world to join Kyoto in cultivating a culture of sustainable cities that is in balance with the local and global environment.

## ICLEI PATHWAYS



### SDGS

*Goal 3: Good health and well-being | Goal 7: Affordable and clean energy | Goal 11: Sustainable cities and communities*

## ICLEI PATHWAYS



### SDGS

*Goal 1: No poverty | Goal 2: Zero hunger | Goal 3: Good health and well-being | Goal 4: Quality education | Goal 5: Gender equality | Goal 6: Clean water and sanitation | Goal 7: Affordable and clean energy | Goal 8: Decent work and economic growth | Goal 9: Industry, innovation, and infrastructure | Goal 10: Reduced inequalities | Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production | Goal 13: Climate action | Goal 14: Life below water | Goal 15: Life on land | Goal 16: Peace, justice and strong institutions | Goal 17: Partnerships for the goals*

# LOW EMISSION DEVELOPMENT



## ECOLOGISTICS COMMUNITY

Taoyuan City is the national leading logistics hub and its comprehensive logistics industry brings enormous prosperity to the City's industrial and economic growth. However, this prosperity also comes with various environmental downsides such as air pollution, noise pollution, congestion, waste pollution, road degradation, GHG emissions and so on. These problems are prevalent in other ICLEI cities. The ICLEI EcoLogistics Community is the first city network globally committed to a sustainable urban freight future. The Community leads sustainable urban freight development in participating cities and drive global actions in the international stage through collaborative exchange and action plans and stakeholder engagements. Cities benefit from being part of the Community through the shared knowledge and resources made available to the network, as well as opportunities to disseminate their successes.

## GLOBAL AGENDA ON CITIES AND CLIMATE CHANGE SCIENCE

ICLEI advances global dialogue and action that links science, policy and practice, by convening city leaders and practitioners with research and academia, national governments and entrepreneurs to examine policy gaps and opportunities. This work supports the global Innovate4Cities accelerator that defines research and innovation priorities to inform national research agendas and analyses - as galvanized by the Edmonton Declaration in support of CitiesIPCC process.

## ICLEI PATHWAYS



### SDGS

*Goal 3: Good health and well-being | Goal 7: Affordable and clean energy | Goal 9: Industry, innovation, and infrastructure | Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production | Goal 13: Climate action | Goal 17: Partnerships for the goals*

## THEMES / FOCUS AREAS

*Transport and mobility  
Policy and advocacy  
Data and Reporting*

## ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 13: Climate action*



# LOW EMISSION DEVELOPMENT



## GLOBAL CLIMATE CITY CHALLENGE

Many local governments struggle to develop bankable local infrastructure projects due to limited inhouse skills or capacity. The Global Climate City Challenge is part of a new partnership under the umbrella of Global Urbis, an ambitious global initiative announced during the One Planet Summit in Paris in December 2017, that provides cities and local governments around the world with technical assistance and financing for climate action. The Challenge is a collaboration between the Global Covenant of Mayors and the European Investment Bank with city networks including ICLEI and C40, as well as the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ). ICLEI screened project applications and proposed an initial short list of projects.

## GLOBAL LEAD CITY NETWORK ON SUSTAINABLE PROCUREMENT

According to the United Nations Office for Project Services, \$10 trillion is spent through public procurement systems each year. By introducing sustainable criteria, organizations can ensure that products and services bought achieve value for money and generate environmental, societal and economic benefits. The Global Lead City Network on Sustainable Procurement is a group of cities committed to drive the transition to sustainable consumption and production by implementing sustainable and innovation procurement. ICLEI coordinates the GLCN on Sustainable Public Procurement (SPP) to enable participating cities to showcase ambitious, quantified targets and achievements in four priority sectors; meet, share and develop capabilities to implement sustainable purchasing practices; help develop a supportive political framework for implementation; act as global and regional champions of SPP; and foster the role of public procurement for global sustainable development.

## ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 13: Climate action*

### THEMES / FOCUS AREAS

*Infrastructure*

## ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production | Goal 13: Climate action*

### THEMES / FOCUS AREAS

*Procurement  
Climate*

# LOW EMISSION DEVELOPMENT



## GLOBAL TASK FORCE OF LOCAL AND REGIONAL GOVERNMENTS

In order to increase effectiveness of the advocacy of local and regional governments at the global processes, ICLEI collaborates on internal strategic planning, networking, coordination and dissemination activities of the Global Task Force of Local and Regional Governments and its relations to UN member states and decision-making bodies within the UN.

## KAOHSIUNG STRATEGIES FOR THE FUTURE OF URBAN MOBILITY

Based on the Shared Mobility Principles for Livable Cities, the Kaohsiung Strategies for the Future of Urban Mobility inspire local governments to transform their transportation systems and mobility patterns to become more sustainable, low-carbon, people-centered and less automobile dependent. It has also become a guideline for ICLEI's Sustainable Mobility/EcoMobility work. The Kaohsiung Strategies strengthen ecomobile solutions by promoting walking, cycling, public transport and shared mobility as the foundation for future urban mobility. It calls for spirited debate on the opportunities, challenges and threats of emerging trends, new technologies, subsidies and bans.

## ICLEI PATHWAYS



## SDGS

*Goal 1: No poverty | Goal 2: Zero hunger | Goal 3: Good health and well-being | Goal 4: Quality education | Goal 5: Gender equality | Goal 6: Clean water and sanitation | Goal 7: Affordable and clean energy | Goal 8: Decent work and economic growth | Goal 9: Industry, innovation, and infrastructure | Goal 10: Reduced inequalities | Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production | Goal 13: Climate action | Goal 14: Life below water | Goal 15: Life on land | Goal 16: Peace, justice and strong institutions | Goal 17: Partnerships for the goals*

## ICLEI PATHWAYS



## SDGS

*Goal 3: Good health and well-being | Goal 11: Sustainable cities and communities | Goal 13: Climate action*



# LOW EMISSION DEVELOPMENT



## LOCAL RENEWABLE CONFERENCE SERIES

Rising global energy use remains a major challenge, with cities and regions being central players in making energy more secure, clean and sustainable. To transform from a linear to a circular economy there is a growing need to take advantage of renewable resources, including energy. ICLEI supports the cities and regions initiatives aiming at 100% renewable energy. Since 2007, ICLEI has offered an international forum for discussion and exchange among policymakers and practitioners from various levels of government, energy experts, energy services providers, researchers and business representatives.

## NDC PARTNERSHIP

Effectively implementing the Nationally Determined Contributions (NDCs) necessitates the strengthening of multi-level governance. The preamble of the Paris Agreement recognizes the engagement of all levels of government as pivotal to holding the increase in the global average temperature to well below 2 degrees Celsius (°C). The enormity of this challenge can only be met if national, regional and local governments achieve policy alignment in addressing climate change and sustainable development, also enabling implementation of local action. ICLEI offers a unique value proposition to the member nations of the NDC Partnership (NDCP). Building upon ICLEI's commitment to engage in the NDCP and as the first associate member of the NDCP, ICLEI created a modular approach to address the vertical integration of NDC implementation and investment plans, outlining the contribution of local and regional governments in the NDCs.

## ICLEI PATHWAYS



### SDGS

*Goal 7: Affordable and clean energy | Goal 11: Sustainable cities and communities | Goal 13: Climate action*

## ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production | Goal 13: Climate action | Goal 5: Gender equality | Goal 15: Life on land | Goal 7: Affordable and clean energy | Goal 17: Partnerships for the goals | Goal 9: Industry, innovation, and infrastructure*

## THEMES / FOCUS AREAS

*Climate  
Infrastructure  
Energy*

# LOW EMISSION DEVELOPMENT



## ONE PLANET NETWORK PROGRAMME ON SUSTAINABLE PUBLIC PROCUREMENT

Established in 2014, this program envisions a world in which environmental, economic and social aspects of sustainability are embedded in public procurement policies, strategies, processes and practices as a means for promoting efficiency, value for public spending, good governance and integrity in public procurement. The program supports sustainable public procurement (SPP) implementation by assisting procuring entities and procurement practitioners at local, regional, and national levels; initiates enabling conditions for stimulating change in international sectoral markets through procurement; advocate and mobilizes political leadership and support for sustainable procurement; and supports countries in demonstrating the public value (economic, environmental, social) of sustainable procurement implementation. The program is currently co-led by ICLEI, the Governments of China (Environmental Development Centre of the Ministry of Ecology and Environment of China) and the Netherlands (Ministry of Infrastructure and Water Management) as well as the UN Environment Programme.

## OUTREACH TO UN AGENCIES

In order to improve visibility and enhance recognition of, and mobilize support for, local government action, ICLEI enhances dialogue, collaboration and engagement in the UN system. We focus on those agencies related to sustainable urban development, such as the UN Environment Management Group, Local2030 and UN SDG Knowledge Development Center, as well as regional and global processes outside the UN such as G7/G20, OBOR, BRICS or other regional initiatives.

## ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production | Goal 13: Climate action*

## THEMES / FOCUS AREAS

*Procurement  
Peer Learning and Knowledge Sharing*

## ICLEI PATHWAYS



### SDGS

*Goal 1: No poverty | Goal 2: Zero hunger | Goal 3: Good health and well-being | Goal 4: Quality education | Goal 5: Gender equality | Goal 6: Clean water and sanitation | Goal 7: Affordable and clean energy | Goal 8: Decent work and economic growth | Goal 9: Industry, innovation, and infrastructure | Goal 10: Reduced inequalities | Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production | Goal 13: Climate action | Goal 14: Life below water | Goal 15: Life on land | Goal 16: Peace, justice and strong institutions | Goal 17: Partnerships for the goals*



# LOW EMISSION DEVELOPMENT



## TOWARDS 100% RENEWABLE CITIES AND REGIONS FOR CLIMATE CHANGE MITIGATION

In many countries renewable energy potential remains largely untapped, with a need to scale up viable local implementation projects using local options, such as wind, solar, hydro, geothermal and bioenergy. At the national level, existing frameworks typically do not enable local renewable energy roll-out. This project promotes multilevel governance policy dialogue, strengthen capacities and encourage the development of national, regional and local enabling frameworks to unlock local renewable energy potential, also addressing energy efficiency. ICLEI will showcase how local projects and policies contribute to the achievement of national climate and energy targets in Nationally Determined Contributions (NDCs) and other policy objectives such as energy security and job creation, in alignment with the Sustainable Development Goals.

## TRANSFORMATIVE ACTIONS PROGRAM

Institutional investors, national governments, and local communities promote serious investments in climate action and sustainable development, but there is an extreme shortage of projects that are robust enough to be taken over and funded by financial institutions or the private sector. The Transformative Actions Program (TAP) provides a framework for this by connecting transformative local climate projects with project preparation facilities (PPFs) and tools that improve project bankability. Projects in the pipeline are screened based on their transformative impact which ensures their enduring potential. ICLEI develops partnerships that connect the goals of diverse stakeholders into one coherent value chain for developing robust, transformative and bankable projects that will accelerate low-to-no emission and climate-resilient development. ICLEI regional offices act as catalysts for mobilizing projects and as the first “filter” to identify priority projects.

## ICLEI PATHWAYS



### SDGS

*Goal 10: Reduced inequalities | Goal 11: Sustainable cities and communities | Goal 13: Climate action | Goal 7: Affordable and clean energy | Goal 8: Decent work and economic growth | Goal 9: Industry, innovation, and infrastructure*

### THEMES / FOCUS AREAS

*Energy  
Policy and advocacy  
Private Sector Engagement (e.g. Public-Private Partnership)*

## ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 13: Climate action*

### THEMES / FOCUS AREAS

*Finance  
Infrastructure  
Policy and advocacy*

# LOW EMISSION DEVELOPMENT



## R20 PARTNERSHIP

Through a partnership with the non-profit organization R20, ICLEI promotes and implements projects designed to produce local economic and environmental benefits in the form of reduced energy consumption and greenhouse gas emissions, strong local economies, improved public health and new green jobs. ICLEI identifies medium to large scale climate and energy projects such as waste-to-energy, smart street lighting and other low carbon solutions looking to further develop these projects into bankable joint venture initiatives with private sector financiers in Sub-Saharan Africa.

## ENABLING AFRICAN CITIES FOR TRANSFORMATIVE ENERGY ACCESS (ENACT)

ICLEI contributes to creating suitable conditions for local governments to engage with the private sector in planning and delivering sustainable energy services to households and social institutions, for both cooking and lighting –for the urban poor living in informal settlements. This is done through three main pillars: Capacity building of local governments in urban energy data collection and planning; Private sector involvement to test and implement financing and business models for improved delivery of clean energy interventions; and knowledge dissemination to share lessons for scale-up and replication in urban areas across sub-Saharan Africa. The project cities will have the capacity to undertake energy data collection and planning thereby being able to understand the needs of the citizens and enhance the delivery of energy. Through the implementation of pilot models of interventions, there will be an opportunity to stimulate the market for the development of sustainable and scalable interventions.

## ICLEI PATHWAYS



### SDGS

*Goal 13: Climate action | Goal 11: Sustainable cities and communities | Goal 17: Partnerships for the goals*

## PARTICIPATING LOCAL GOVERNMENTS

*15 local & regional governments in Africa*

## ICLEI PATHWAYS



### SDGS

*Goal 7: Affordable and clean energy | Goal 11: Sustainable cities and communities | Goal 13: Climate action | Goal 17: Partnerships for the goals*

## THEMES / FOCUS AREAS

*Air Quality  
Energy  
Private Sector Engagement (e.g. Public-Private Partnership)*



# LOW EMISSION DEVELOPMENT



## ENVISIONING FUTURE LOW-CARBON LIFESTYLES AND TRANSITIONING INSTRUMENTS

The IPCC Special Report on Global Warming of 1.5°C indicated the demand-side actions and lifestyle changes as important elements to limit the global temperature increase within 1.5°C. However, realizing these demand-side changes remain hampered by several factors. First, there is a very limited quantitative understanding of how much proposed changes in lifestyles could contribute to mitigating environmental problems. Second, even with a generalized understanding of the magnitude of importance of some lifestyle changes, there is still limited evidence of feasibility or acceptability of such changes by households and society. Third, drastic changes of the magnitude suggested by the 1.5°C target by 2050 need capacity building and tools to support people who are willing to undertake these changes and for policy makers who want to promote measures towards sustainable lifestyles. ICLEI is gathering information and quantifying the climate impact of options to allow people to make better lifestyle choices aligned to a 1.5 degree scenario. We are doing this by estimating the average carbon footprint of middle class residents of Cape Town, South Africa, and estimating the carbon reduction impact of various lifestyle choices. This will help to bring to the fore practical actions that citizens and local governments can take to reduce carbon emissions.

## ICLEI-SHRDC CAPACITY BUILDING FOR LOCAL GOVERNMENTS IN ASIA

Many Asian cities are confronting some of the most serious impacts of climate change, but have insufficient capacities to solve the problems. In response to the situation, ICLEI and the Seoul Human Resources Development Center (SHRDC) have been co-organizing training programs since 2016, aiming to provide local government officials in Asia opportunities to learn about well-implemented climate change policies and strategies through Seoul's experiences. The week-long training program is composed of various sessions of policy presentations, site visits and group discussions, with a special focus on climate change mitigation and adaptation, energy transition, transportation, waste management, air pollution management, and GHG emissions inventory.

## ICLEI PATHWAYS



### SDGS

*Goal 3: Good health and well-being | Goal 12: Responsible consumption and production | Goal 13: Climate action*

### THEMES / FOCUS AREAS

*Climate  
Energy  
Buildings*

## ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 13: Climate action*

### THEMES / FOCUS AREAS

*Climate  
Peer Learning and Knowledge Sharing  
Policy and advocacy*

## PARTICIPATING LOCAL GOVERNMENTS

*27 local & regional governments in Asia*

# LOW EMISSION DEVELOPMENT



## EAST ASIA CLEAN AIR CITIES

East Asia is one of the most heavily air-polluted regions in the world due to the continuous growth of air pollutant emissions caused by rapid urbanization and industrialization. As the days with high density of particulate matters (PM) increase, many cities have committed to fighting air pollution to protect the health and well-being of citizens. In order to tackle regional air pollution through city-to-city cooperation, the Seoul Metropolitan Government, together with the ICLEI and nine cities and partners in the region, launched the initiative East Asia Clean Air Cities (EACAC) in 2016, aiming to support and accelerate local actions against air pollution through multilateral cooperation. As a major air quality initiative between cities in the region, EACAC focuses on co-control measures of climate change and air quality management. As a preliminary step to establishing an institutional multilateral co-operation system, ICLEI serves as the Secretariat of EACAC, providing a long-term cooperation platform for East Asian cities committed to tackling air pollution through city-to-city exchange and collaboration.

## PROCURA+ EAST ASIAN GREEN PROCUREMENT NETWORK

Local governments across East Asia play a critical role in driving a sustainable and green economy with rapid economic growth and decentralization. The Procura+ East Asia Green Procurement Network aims to accelerate climate and environmental actions by equipping local governments and public authorities in East Asia with advanced knowledge and skills to upscale green and sustainable procurement practices at the local level. Through Procura+ East Asia, participating local authorities are equipped with green public procurement approaches and tools through training programs and access to expert guidance on formulating local green specifications and procurement strategies, as well as tender advice. Participants have opportunities to showcase their success stories in green procurement at international events, through the Procura+ Award, and publishing case studies on the Procura+ Online Platform.

## ICLEI PATHWAYS



### SDGS

*Goal 3: Good health and well-being | Goal 11: Sustainable cities and communities | Goal 13: Climate action | Goal 17: Partnerships for the goals*

### THEMES / FOCUS AREAS

*Air Quality  
Climate  
Transport and mobility*

### PARTICIPATING LOCAL GOVERNMENTS

*18 local & regional governments in Asia*

## ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production*

### THEMES / FOCUS AREAS

*Procurement  
Peer Learning and Knowledge Sharing  
Policy and advocacy*



# LOW EMISSION DEVELOPMENT



## SDGS FUTURECITY INITIATIVE

ICLEI supports the leading national sustainable cities initiative in Japan. The initiative started as Environmental Model City Initiative in 2008, evolved into FutureCity Initiative in 2011, and matured as SDGs FutureCity Initiative in 2018. ICLEI and Member cities have been actively involved in the Initiative from the beginning; and recently contributed to The 7th International Forum focused on the localization of SDGs.

## PROCURA+ EUROPEAN SUSTAINABLE PROCUREMENT NETWORK

Sustainable procurement has grown in scope to encompass a wide range of environmental, social and economic issues. However, progress towards more sustainable procurement is not straightforward. Public authorities seek guidance, inspiration and exchange to reap the full benefits of their procurement work. The Procura+ European Sustainable Procurement Network support public authorities in learning, connecting, and acting on sustainable public procurement. Procura+ is a network of European public authorities and regions that connect, exchange and act on sustainable and innovation procurement. ICLEI offers a range of activities and resources including recognition through the Procura+ Awards; a city twinning program to facilitate staff exchanges; a platform to share plans and publicize successes; education and professional development opportunities; and the Procura+ manual, an accessible guide supporting public authorities in successfully implementing sustainable public procurement.

## ICLEI PATHWAYS



### SDGS

*Goal 1: No poverty | Goal 2: Zero hunger | Goal 3: Good health and well-being | Goal 4: Quality education | Goal 5: Gender equality | Goal 6: Clean water and sanitation | Goal 7: Affordable and clean energy | Goal 8: Decent work and economic growth | Goal 9: Industry, innovation, and infrastructure | Goal 10: Reduced inequalities | Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production | Goal 13: Climate action | Goal 14: Life below water | Goal 15: Life on land | Goal 16: Peace, justice and strong institutions | Goal 17: Partnerships for the goals*

## ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production | Goal 13: Climate action | Goal 9: Industry, innovation, and infrastructure*

## THEMES / FOCUS AREAS

*Procurement*

## PARTICIPATING LOCAL GOVERNMENTS

*More than 30 local & regional governments in Europe*

# LOW EMISSION DEVELOPMENT



## PLATFORM FOR COAL & CARBON-INTENSIVE REGIONS IN TRANSITION

To ensure that no regions are left behind in the move towards a climate neutral economy, the European Commission launched in December 2017 the 'Platform on Coal Regions in Transition,' to support coal regions (including local and/or regional governments) to take on the challenge of the clean energy transition by building capacity through needs-oriented technical assistance; developing resources focusing on issues such as employment, governance, financing, environmental rehabilitation, clean air, and technologies; and connecting stakeholders and facilitating dialogue among regions and the wider stakeholder community. ICLEI aims to build awareness of the Platform and develop a reputation for the Platform as a valuable source of expertise and information among primary target audiences. ICLEI fosters the creation of dynamic knowledge-sharing communities among the Platform's primary target audiences and encourages participation in cooperation and knowledge-sharing activities.

## PROSEU

PROSEU is an EU-funded research project, bringing together eleven project partners from seven European countries (Universities, research institutes and consultancies, non-governmental and non-profit organisations). It aims to enable the mainstreaming of the Renewable Energy (RE) prosumer phenomenon into the European Energy Union. Prosumers are active energy users who both produce and consume energy from renewable sources. Moving beyond a case by case and fragmented body of research on RE prosumers, PROSEU builds an integrated knowledge framework for a cross-sectoral understanding of RE Prosumerism, through a comprehensive identification and assessment of incentive structures to enable mainstreaming RE prosumers in the context of the energy transition.

## ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production | Goal 13: Climate action | Goal 7: Affordable and clean energy | Goal 9: Industry, innovation, and infrastructure*

### THEMES / FOCUS AREAS

*Energy  
Climate  
Air Quality*

### PARTICIPATING LOCAL GOVERNMENTS

*13 local & regional governments in Europe*

## ICLEI PATHWAYS



### SDGS

*Goal 7: Affordable and clean energy*

### THEMES / FOCUS AREAS

*Energy  
Climate  
Air Quality*

### PARTICIPATING LOCAL GOVERNMENTS

*9 local & regional governments in Europe*



# LOW EMISSION DEVELOPMENT



## THERMOS

The way the world heats its buildings uses fossil fuel in an unsustainable way. By providing the methods, data, and tools to enable more sophisticated thermal energy system planning that is both faster and cheaper, ICLEI accelerates the multi-government and stakeholder dialogues in Europe and beyond on decarbonizing heating and cooling in an integrated energy system.

## MAKING HYDROGEN AFFORDABLE TO SUSTAINABLY OPERATE EVERYWHERE

Fuel cell solutions and hydrogen technologies can become a turnkey technology for providing a zero emission/zero noise power for construction sites and other temporary events with additional benefits for flexibility in application (night-time) and life quality in cities. The EVERYWH2ERE project is working to integrate already demonstrated robust PEMFC stacks and low weight intrinsically safe pressurized hydrogen technologies into easy to install, easy to transport FC based transportable gensets to be tested in construction sites, music festivals and urban public events all around Europe. Through that, European cities will become a living lab for the demonstration of Fuel Cell and Hydrogen (FCH) technologies for everyday applications at temporary urban events, and thereby facilitate the promotion and the increase of social acceptability of FCH technologies. ICLEI is in particular involved in replication, dissemination and stakeholder engagement, including capacity building and policy guides.

## ICLEI PATHWAYS



### SDGS

*Goal 7: Affordable and clean energy | Goal 9: Industry, innovation, and infrastructure*

## PARTICIPATING LOCAL GOVERNMENTS

*4 local & regional governments in Europe*

## ICLEI PATHWAYS



### SDGS

*Goal 3: Good health and well-being | Goal 7: Affordable and clean energy | Goal 11: Sustainable cities and communities*

## THEMES / FOCUS AREAS

*Air Quality  
Energy  
Climate*

## PARTICIPATING LOCAL GOVERNMENTS

*4 local & regional governments in Europe*

# LOW EMISSION DEVELOPMENT



## MAKING HYDROGEN AFFORDABLE TO SUSTAINABLY OPERATE EVERYWHERE

Fuel cell solutions and hydrogen technologies can become a turnkey technology for providing a zero emission/zero noise power for construction sites and other temporary events with additional benefits for flexibility in application (nigh-time) and life quality in cities. The EVERYWH2ERE project is working to integrate already demonstrated robust PEMFC stacks and low weight intrinsically safe pressurized hydrogen technologies into easy to install, easy to transport FC based transportable gensets to be tested in construction sites, music festivals and urban public events all around Europe. Through that, European cities will become a living lab for the demonstration of Fuel Cell and Hydrogen (FCH) technologies for everyday applications at temporary urban events, and thereby facilitate the promotion and the increase of social acceptability of FCH technologies. ICLEI is in particular involved in replication, dissemination and stakeholder engagement, including capacity building and policy guides.

## ABRACADABRA

Non-energy-related benefits play a key role in the deep renovation of existing buildings. ICLEI focuses on the creation of a substantial increase of the real estate value of the existing buildings through a significant energy and architectural transformation like aside or façade additions, rooftop extensions or even an entire new building construction, to reach the goal of Nearly Zero Energy Buildings and extreme renovation.

## ICLEI PATHWAYS



## SDGS

*Goal 3: Good health and well-being | Goal 7: Affordable and clean energy | Goal 11: Sustainable cities and communities*

## THEMES / FOCUS AREAS

*Air Quality  
Energy  
Climate*

## PARTICIPATING LOCAL GOVERNMENTS

*4 local & regional governments in Europe*

## ICLEI PATHWAYS



## SDGS

*Goal 9: Industry, innovation, and infrastructure*



# LOW EMISSION DEVELOPMENT



## BUILTHUB - DYNAMIC EU BUILDING STOCK KNOWLEDGE HUB

ICLEI is leading the communication and dissemination activities for BUILTHUB - Dynamic EU building stock knowledge hub and is responsible for the effective coordination of the dissemination and communication activities. ICLEI is also involved in the Stakeholders community engagement with a focus on identifying stakeholders' needs and technical requirements and creating a stakeholder community. ICLEI also supports the quality testing by Pioneer Users and setting up an Ambassador Program as well as building stock progress monitoring. A specific discussion session in a general assembly on the projects products & methods is conducted by ICLEI. EURAC with the support of ICLEI and other partners will create a comprehensive list of building stock-related datasets available in Europe (local, national, and international level). ICLEI also supports the platform services development supports the work on the platform business case for exploitation and sustainability.

## CINTRAN - CARBON INTENSIVE REGIONS IN TRANSITION - UNRAVELLING THE CHALLENGES OF STRUCTURAL CHANGE

ICLEI supports and enables co-creation and co-design for regional and local stakeholders in carbon-intensive regions within and beyond the four focus regions of the program. ICLEI also develops and coordinates capacity building and peer learning among the engaged carbon-intensive regions, including enriching and validating project results by involving a broader community of regions, representing different geo-graphical, political and socio-economic realities, in the co-creation process; ensuring lasting impact of the project by embedding results in the regional policy processes, as well as by building the capacity of regional and local actors to take the transition process further; and enabling socially just transition in coal-intensive regions by targeted advocacy activities at the national, European and global level, connecting with other relevant projects, initiatives and organizations.

## ICLEI PATHWAYS



### SDGS

*Goal 7: Affordable and clean energy | Goal 9: Industry, innovation, and infrastructure | Goal 11: Sustainable cities and communities | Goal 13: Climate action*

### THEMES / FOCUS AREAS

*Buildings  
Energy  
Climate*

## ICLEI PATHWAYS



### SDGS

*Goal 7: Affordable and clean energy | Goal 8: Decent work and economic growth | Goal 11: Sustainable cities and communities | Goal 13: Climate action*

### THEMES / FOCUS AREAS

*Energy  
Climate  
Peer Learning and Knowledge Sharing*

# LOW EMISSION DEVELOPMENT



## CITY RESILIENCE DEVELOPMENT AND RESILIENCE-BUILDING TOOLBOX

In the last 30 years, climate change, coupled with unplanned, rapid urbanization, generated significant development challenges worldwide. ICLEI has implemented City Learning Labs FRACTAL to periodically gather a broad range of knowledge-holders and decision-makers in targeted cities to work together on developing a deep, shared understanding of critical issues linked to climate that cities face.

## COMO5 - EU COVENANT OF MAYORS

ICLEI is responsible for the international dimension of the EU Covenant of Mayors and is involved in the governance of the CoMO, supporting multi-level governance/dialogues. ICLEI is involved in the energy poverty pillar which includes work on a monitoring and reporting framework on energy poverty. As part of the capacity building task, ICLEI works on the peer-learning program, specifically the city twinnings. As leader of the CoMO International Dimension, ICLEI mainly focuses on facilitating the dialogue with the GCoM and the other Regional Covenants of Mayors; ICLEI has an active part in the GCoM Technical Working Groups as regional representative and organizes the activities related to the participation of CoMO in international climate events.

## DECIDE - DEVELOPING ENERGY COMMUNITIES THROUGH INFORMATIVE AND COLLECTIVE ACTIONS

ICLEI is leading the work on communication, dissemination and replication in DECIDE - Developing Energy Communities through Informative and Collective actions. ICLEI together with other partners will identify regulatory barriers and provide recommendations to overcome them. ICLEI will also be involved in analysing existing and emerging business models, in contractual conditions analysis and finally providing recommendations. ICLEI through its work in the field of communication, dissemination and replication will also conduct capacity building campaign to boost replication, together with some other partners and prepare training materials for the knowledge hub.

### ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 13: Climate action*

### ICLEI PATHWAYS



### SDGS

*Goal 7: Affordable and clean energy | Goal 11: Sustainable cities and communities | Goal 13: Climate action*

### THEMES / FOCUS AREAS

*Energy  
Climate  
Peer Learning and Knowledge Sharing*

### ICLEI PATHWAYS



### SDGS

*Goal 7: Affordable and clean energy | Goal 11: Sustainable cities and communities*

### THEMES / FOCUS AREAS

*Energy  
Peer Learning and Knowledge Sharing  
Policy and advocacy*



# LOW EMISSION DEVELOPMENT



## DREEM - DESIGNING USER CENTRIC E-KICKSCOOTERS & BUSINESS MODELS FOR ENHANCING INTERMODALITY

The use of different and optimally combined transport modes in a seamless way is one of the key challenges to achieve greater sustainability in smart cities transport systems. Each mode of transport has its own advantages and satisfies different mobility purposes and needs. The core of a new electrified microvehicle concept is to combine design and user needs for an easier usage within traditional transportation modes (e.g. public transport) in both urban and suburban areas. The project aims at finalizing and testing a safer and modular electric kick scooter (e-KS) for personal urban and suburban mobility. It presents two main innovation levels: on the vehicle side with the development of new features in term of modularity, foldability and improved safety; on the systemic side, the consortium will study and present (a) new business model(s) for a win-win situation for all stakeholders.

## EC<sup>2</sup> - ENERGY CITIZENSHIP AND ENERGY COMMUNITIES FOR A CLEAN-ENERGY TRANSITION

The clean energy transition is a pressing global challenge. For a solution we do not only need technological advancement, but also societal change. This transition is more than a change from a brown economy to a green economy. It is embedded in a centralized model of the energy market to a decentralized one. It is built on the transformation of passive energy consumers into energy citizens. Civic engagement therefore stands at the core of the clean energy transition. In EC2 we provide answers on how to facilitate and strengthen energy citizenship, as a means of achieving the EU's energy and decarbonisation goals. At the core of the project is the empirical, quantitative assessment of energy citizenship and its relation to energy communities. ICLEI leads the work about policy recommendations and practical advice. The policy recommendations will be distilled from project results, targeting policy-makers and practitioners at the local, regional, national and EU levels with a view to expanding energy citizenship and energy communities.

### ICLEI PATHWAYS



### SDGS

*Goal 3: Good health and well-being | Goal 11: Sustainable cities and communities | Goal 13: Climate action*

### THEMES / FOCUS AREAS

*Transport and mobility  
Climate  
Smart Cities*

### ICLEI PATHWAYS



### SDGS

*Goal 7: Affordable and clean energy | Goal 11: Sustainable cities and communities*

### THEMES / FOCUS AREAS

*Energy  
Data and Reporting  
Science-Based Research*

# LOW EMISSION DEVELOPMENT



## EPLANET

A framework is needed that will facilitate the vertical and horizontal integration across public authorities to enable a better coordination toward the Energy Transition. This implies the assessment of existing barriers and needs, the analysis and harmonization of existing classifications structures and most relevant plans related to energy as well as the set up a governance working group within the public authorities involved. ICLEI plays a leading role in the capacity building and replication activities, by supporting in the design of targeted training materials, the establishment of bilateral peer exchanges. In particular is responsible for the institutionalization of the engagement of local and regional authorities.

## EU HELPDESK FOR THE SUPPORT AND PROMOTION OF GREEN PUBLIC PROCUREMENT

As set out in the Communication “Public Procurement for a Better Environment” (2008), the European Commission is encouraging public authorities in greening their purchasing decision. In addition to other supporting measures, in 2010 the Commission established a Green Public Procurement Helpdesk. Its main mission is to promote and disseminate information about sustainable public procurement, and to provide timely and accurate answers to stakeholders’ enquiries. ICLEI operates the Helpdesk on behalf of the European Commission, with the goal of providing an easy entry point to GPP for all European public authorities to increase the uptake and professionalization of GPP.

## ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production | Goal 13: Climate action*

### THEMES / FOCUS AREAS

*Data and Reporting  
ICT (Information and Communication Technologies)  
Energy*

## ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production | Goal 13: Climate action*

### THEMES / FOCUS AREAS

*Procurement*



# LOW EMISSION DEVELOPMENT



## FLEXIBLE USER-CENTRIC ENERGY POSITIVE HOUSES

The Energy transition of the EU building stock needs to evolve from being an energy waster to being highly energy efficient and an energy producer, as a prerequisite for Europe's 2050 carbon neutrality goal. Achieving those targets requires shifting from the present slow-paced energy renovation market towards a dynamic plus energy market. To contribute to this endeavour, EXCESS will spearhead four innovative demonstration projects, introducing technical solutions that enable buildings to produce more renewable energy than they consume over the course of a year. By engaging local, regional as well as national and international stake-holders throughout the project cycle, EXCESS [1] supports better policy-making for positive energy buildings and districts; [2] promotes the deployment of integrated energy efficiency / generation solutions in building construction and renovation; [3] raises awareness on the importance of energy efficiency in the built environment. ICLEI leads EXCESS' communications and dissemination work package as well as specific replication activities with the aim of raising awareness of the benefits of PEBs, engaging industry and the public sector and roll out rapid replication of PEBs in Europe. The additional role of ICLEI in the project is to assess the proliferation of Plus Energy Buildings across the EU, by means of stock taking, interviews and statistical analyses.

## GOOGLE EIE ACTION FUND

ICLEI manages the operation and implementation of the Google Action Fund in Europe. Six data-driven projects have been selected and ICLEI Europe is in charge of accompanying projects implementation and to assess the impact and financial sustainability of projects.

## ICLEI PATHWAYS



### SDGS

*Goal 3: Good health and well-being | Goal 7: Affordable and clean energy | Goal 11: Sustainable cities and communities | Goal 13: Climate action | Goal 9: Industry, innovation, and infrastructure*

### THEMES / FOCUS AREAS

*Buildings  
Climate  
Energy*

## ICLEI PATHWAYS



### SDGS

*Goal 7: Affordable and clean energy | Goal 9: Industry, innovation, and infrastructure | Goal 11: Sustainable cities and communities | Goal 13: Climate action*

### THEMES / FOCUS AREAS

*Energy  
Air Quality  
Data and Reporting*

# LOW EMISSION DEVELOPMENT



## GREENCHARGE

GreenCharge empowers cities and municipalities to make the transition as to zero-emission/sustainable mobility with innovative business models, technologies and guidelines for cost-efficient and successful deployment and operation of charging infrastructure for EVs. ICLEI monitors internal and external activities, market developments and European policy with respect to e-mobility, that is relevant to the project. ICLEI also established a group of 10 cities that have expressed their interest in the project. Each city will develop a roadmap on the construction, configuration and location of charging infrastructures designed to promote the use of electric or hybrid rechargeable vehicles.

## MATRYCS - MODULAR BIG DATA APPLICATIONS FOR HOLISTIC ENERGY SERVICES IN BUILDINGS

ICLEI is leading the work on Communication, Dissemination and Awareness Creation for Matrycs - Modular Big Data Applications for Holistic Energy Services in Buildings. ICLEI supports the implementation of analytics building services to end users and the development of a Pilot Operation, Engagement and Measurement / Verification (M&V) Plan for the project. ICLEI is responsible for a report on Services to support SECAPs impact assessment, implementation and monitoring.

## ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities*

### THEMES / FOCUS AREAS

*Transport and mobility  
Energy  
Smart Cities*

## ICLEI PATHWAYS



### SDGS

*Goal 7: Affordable and clean energy | Goal 9: Industry, innovation, and infrastructure | Goal 11: Sustainable cities and communities | Goal 13: Climate action | Goal 17: Partnerships for the goals*

### THEMES / FOCUS AREAS

*Buildings  
Energy  
Climate*



# LOW EMISSION DEVELOPMENT



## POWERPOOR - EMPOWERING ENERGY POOR CITIZENS THROUGH JOINT ENERGY INITIATIVES

Through PowerPoor - Empowering Energy Poor Citizens through Joint Energy Initiatives, ICLEI leads on the work of capacity building, multilevel knowledge creation, and policy making. ICLEI is developing training and capacity modules, as well as a report on EU Policy Recommendations & National Roadmaps to alleviate energy poverty. Under the leadership of ICLEI four capacity modules are being developed focusing on presenting a multilevel perspective on energy poverty, climate action and sustainable energy, with focus on renewable energy and energy efficiency measures adoption towards energy poverty alleviation.

## CLEARPATH

In order to take accurate actions against climate change, it is fundamental to know the exact data. ICLEI developed and maintains an online suite of emissions management tools packaged together in an application known as ClearPath. The software is based on the Greenhouse Gas emissions protocols and allows cities in North American cities to calculate, forecast, plan, and monitor emissions under all community and local government operations protocols.

## ICLEI PATHWAYS



## SDGS

*Goal 1: No poverty | Goal 7: Affordable and clean energy | Goal 13: Climate action*

## THEMES / FOCUS AREAS

*Energy  
Peer Learning and Knowledge Sharing  
Policy and advocacy*

## ICLEI PATHWAYS



## SDGS

*Goal 3: Good health and well-being | Goal 7: Affordable and clean energy | Goal 11: Sustainable cities and communities | Goal 13: Climate action | Goal 17: Partnerships for the goals*

## PARTICIPATING LOCAL GOVERNMENTS

*More than 350 local & regional governments in North America*

# LOW EMISSION DEVELOPMENT



## SOLAR MARKETPLACE

ICLEI offers a simple and convenient online process for pre-screened installers to compete for city-region bids, making it easier for North American communities to switch to solar energy.

## ICLEI PATHWAYS



### SDGS

*Goal 7: Affordable and clean energy | Goal 11: Sustainable cities and communities | Goal 13: Climate action*

## PARTICIPATING LOCAL GOVERNMENTS

*8 local & regional governments in North America*

## LOW EMISSION DEVELOPMENT SUPPORT FOR MEMBER CITIES IN SOUTH AMERICA

ICLEI offers a comprehensive approach and tools to support ICLEI member cities towards low emission development policies, with collective trainings or personalized support in South America.

## ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 13: Climate action*

## PARTICIPATING LOCAL GOVERNMENTS

*More than 50 local & regional governments in South America*



# LOW EMISSION DEVELOPMENT



## ENVIRONMENTAL INSIGHTS EXPLORER ACTION FUND

In May this year, Porto Alegre and Curitiba were the two Brazilian capitals selected to participate in the Action Fund Brazil project, a collaboration between ICLEI and Google.org. The initiative is intended to support non-profit organizations in implementing local, data-driven projects to mitigate climate change, helping decision makers to set goals related to climate planning. The fund was part of approximately US\$ 4 million allocated by Google.org to ICLEI secretariats in Europe, the United States, Brazil and Mexico and the Caribbean. ICLEI South America aimed at selecting four non-profits, two from each city, to subgrant U\$150k each to implement impact-oriented and data-driven projects to support local climate strategies. In an effort to make public emissions data more accessible, the project has the Environmental Insights Explorer tool as an important component. The EIE displays data on greenhouse gas emissions related to buildings, transport (indicating the contributions of different types of transportation), air quality and on the solar potential of buildings' roofs, to support local climate action.

## AMBITIOUS CITY PROMISES: COMMITMENTS FOR LOW-CARBON URBAN DEVELOPMENT IN SOUTHEAST ASIAN LARGE CITIES

With the unprecedented rate of urbanization in Southeast Asia, cities in the region face severe urban challenges while also contributing extensively to the greenhouse gas (GHG) emissions. Through the Ambitious City Promises project, cities in Indonesia, the Philippines, and Vietnam receive support in establishing and implementing ambitious greenhouse gas emissions reduction commitments and local climate action plans. Through Ambitious City Promises, ICLEI aims to develop and deploy bottom-up models of climate action planning, establish lasting mechanisms for knowledge sharing, and contribute to local, national and global climate goals. The Promise of Seoul, a comprehensive climate strategy adopted by the Seoul Metropolitan Government at the ICLEI World Congress in 2015, is at the heart of Ambitious City Promises. It provides a model of effective climate action at the community level, showing that cities can be both engines of growth and global leaders on climate action by establishing inclusive low emission urban economies.

## ICLEI PATHWAYS



### SDGS

*Goal 7: Affordable and clean energy | Goal 11: Sustainable cities and communities | Goal 13: Climate action | Goal 17: Partnerships for the goals*

### THEMES / FOCUS AREAS

*Climate  
Data and Reporting*

## ICLEI PATHWAYS



### SDGS

*Goal 7: Affordable and clean energy | Goal 8: Decent work and economic growth | Goal 11: Sustainable cities and communities | Goal 13: Climate action*

### THEMES / FOCUS AREAS

*Climate*

### PARTICIPATING LOCAL GOVERNMENTS

*9 local & regional governments in Southeast Asia*

# LOW EMISSION DEVELOPMENT



## PARTNERS FOR CLIMATE PROTECTION PROGRAM

Over 300 Canadian municipalities are making a public commitment to reduce greenhouse gases (GHG) emissions and to act on climate change. Through the development and application of accounting and planning tools, knowledge development resources, training workshops and peer-networks, ICLEI builds the capacity of local governments across Canada to mitigate climate change.

## DISTRICT ENERGY SYSTEMS IN INDIAN CITIES

District Energy Systems produce steam, hot water or chilled water at a central plant, making them much more efficient and less energy consuming. Under this project ICLEI assesses potential for district energy systems in Indian cities with an aim to develop integrated roadmaps for energy policy and investment for scale-up of district cooling in specific cities. ICLEI's objective is to assist Indian cities to accelerate their transition to low-carbon and climate resilient societies through modern district energy system.

## ICLEI PATHWAYS



### SDGS

*Goal 13: Climate action*

## PARTICIPATING LOCAL GOVERNMENTS

*More than 300 local & regional governments in Canada*

## ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 13: Climate action | Goal 7: Affordable and clean energy*

## PARTICIPATING LOCAL GOVERNMENTS

*5 local & regional governments in India*



# LOW EMISSION DEVELOPMENT



## MUNICIPAL CLIMATE ACTION PLANS (PACMUN)

According to national law, each Mexican municipality is required to have their own policy on climate change, a task that can be daunting for many under-resourced local governments. However, an effective climate policy and action plan can do more than simply fulfill this requirement, it allows municipalities to focus on mitigation and adaptation efforts that best serve their communities and bring additional benefits at the local level. Over the course of the PACMUN project, ICLEI has worked with over 450 Mexican municipalities to develop GHG inventories, collect data and define local climate action plans. Project activities focus on building the capacity of municipal staff to establish goals and prioritize actions on climate and resilience. Municipalities also work with ICLEI to report their climate and data and can voluntarily submit their climate action plans to the Ministry of Environment.

## ACCESS TO SUSTAINABLE ENERGY IN THE PHILIPPINES - CLEAN ENERGY LIVING LABORATORIES

Imported coal constitutes almost half of the Philippine energy generation mix. The Philippine Energy Plan (PEP) calls for a dynamic and responsive energy mix, enhanced energy access, and cleaner and local energy sources. To support the implementation of energy interventions, it is important to have evidence-based decision making coupled with empowered stakeholders and policymakers. The local energy plan is envisioned to include opportunities for clean energy, energy efficiency, and energy access. ICLEI supports the Clean Energy Living Laboratories (CELLs) and the Project Management Office on local government engagement. ICLEI works with demonstration cities to mainstream a local energy plan and assists the CELLs in developing a curriculum for an executive education program targeting policymakers and stakeholders and support advocacy activities. ICLEI also facilitates city-to-city exchange activities, conducting workshops to capacitate selected demonstration cities, and linking the cities to possible funding sources.

## ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 13: Climate action | Goal 7: Affordable and clean energy | Goal 17: Partnerships for the goals | Goal 9: Industry, innovation, and infrastructure*

### THEMES / FOCUS AREAS

*Climate  
Resilience  
Energy*

### PARTICIPATING LOCAL GOVERNMENTS

*More than 30 local & regional governments in Mexico*

## ICLEI PATHWAYS



### SDGS

*Goal 7: Affordable and clean energy*

### THEMES / FOCUS AREAS

*Energy  
Policy and advocacy  
Science-Policy Interface*

### PARTICIPATING LOCAL GOVERNMENTS

*3 local & regional governments in the Philippines*

# LOW EMISSION DEVELOPMENT



## KOREAN LOCAL GOVERNMENTS ALLIANCE FOR SUSTAINABLE DEVELOPMENT

"There has been a need for a platform through which local governments in Korea can push their national government to move towards sustainable development. Led by the Mayor of Bupyeong-gu of Incheon, 25 local governments formed Korean Local Governments Alliance for Sustainable Development in order to amplify their collective voices on sustainable development. The Alliance Members gather regularly and perform capacity building activities such as training for local government officials as well as study trip for best practices. ICLEI provides professional consultation and guidance on how local leaders bring about sustainable development and how the local government officials can apply the concept and philosophy of sustainable development into their administrative works and policies."

## GLOBAL COVENANT OF MAYORS FOR CLIMATE & ENERGY IN KOREA

By participating in the Global Covenant of Mayors for Climate & Energy (GCoM) in Korea, Korean local governments can make their climate actions more ambitious and consistent through reporting and learn from their peers about ambitious climate actions. In order to support Korean local government participation in GCoM, ICLEI organizes capacity-building sessions at international climate events in Korea, supports local governments' reporting to ICLEI-CDP unified reporting system, translates guidance and materials (such as the Common Reporting Framework and CDP reporting guidance), invites local governments to various networking opportunities on urban climate action, publicizes their activities related to GCoM initiative, and cultivates new local governments to sign on.

### ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities*

### THEMES / FOCUS AREAS

*Climate  
Peer Learning and Knowledge Sharing  
Policy and advocacy*

### PARTICIPATING LOCAL GOVERNMENTS

*25 local & regional governments in the Republic of Korea*

### ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 13: Climate action*

### THEMES / FOCUS AREAS

*Climate  
Energy  
Policy and advocacy*

### PARTICIPATING LOCAL GOVERNMENTS

*6 local & regional governments in the Republic of Korea*



# LOW EMISSION DEVELOPMENT



## GREENHOUSE GAS EMISSIONS PROTOCOLS

The development of the U.S. Community Protocol, the Local Government Operations Protocol, and the Recycling and Composting Protocol has positioned ICLEI as particularly well-versed in local government carbon accounting. ICLEI is the lead author, supported by groups of city and carbon accounting experts from various fields, of industry standards for local government GHG emissions accounting in the US. Recognizing this expertise, ICLEI was asked to contribute to the development of the Global Protocol for Community Scale GHG emissions (GPC) and is currently working on an update to the U.S. Community Protocol to better account for forestry and land use changes. ICLEI continues to provide technical guidance for the application of the protocols to cities and practitioners around the world.

## CALIFORNIA STATEWIDE ENERGY EFFICIENCY COLLABORATIVE

California's statewide climate and energy goals are among the most ambitious in the world, and local governments have an important role to play in achieving these goals. ICLEI advances achievement of state and local sustainability goals by assisting California cities and counties to reduce greenhouse gas emissions and save energy. The support is offered to any local government free of charge, and can be a light-touch (answering questions) to in-depth assistance (completion of an GHG inventory). In addition to technical support, the program convenes an annual peer-exchange event, offers virtual training, and recognizes communities that hit milestones in clean energy and climate action. ICLEI's GHG emissions management tool, ClearPath, has been adapted to meet California specific requirements and opportunities.

## ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 3: Good health and well-being | Goal 12: Responsible consumption and production | Goal 13: Climate action | Goal 7: Affordable and clean energy | Goal 17: Partnerships for the goals*

### THEMES / FOCUS AREAS

*Agriculture and Forestry  
Energy  
Climate*

### PARTICIPATING LOCAL GOVERNMENTS

*More than 900 local & regional governments in the United States*

## ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 3: Good health and well-being | Goal 13: Climate action | Goal 7: Affordable and clean energy | Goal 9: Industry, innovation, and infrastructure*

### THEMES / FOCUS AREAS

*Energy  
Climate  
Data and Reporting*

### PARTICIPATING LOCAL GOVERNMENTS

*More than 250 local & regional governments in the United States*

# LOW EMISSION DEVELOPMENT



## CAPACITY BUILDING THROUGH CLIMATE COHORT

Resource constrained local governments have minimal expertise and capacity to measure, manage, or report local GHG emissions and climate action. Working together as a cohort of communities, economies of scale can be achieved to allow these local governments to collectively access tools, resources, and experts. Learning and doing together in a peer cohort builds relationships and support that help ensure success. ICLEI created a facilitated multi-month training and capacity building program; the “Cohort” to build local government capacity in climate, resilience, forestry, and equity. Each cohort is theme-based and includes up to 20 participant local governments, some of whom are supported by university student externs. Cohort participants are supported by ICLEI USA technical advisors, the ICLEI USA online learning platform, recorded training content, and one-on-one support as needed.

## GREENHOUSE GAS INVENTORY SUPPORT

Local governments across the U.S. are setting ambitious targets to reduce GHG emissions towards achieving the goals of the Paris Agreement. Developing a baseline of community and municipal emissions is a first step to set and achieve these mitigation targets. In 2010, ICLEI USA created the protocols by which U.S. local governments account for emissions at both the community and municipal scale, and in 2013, developed ClearPath, an emissions inventory and management software application, which is the manifestation of these protocols. In combination, these activities have reduced the financial and administrative burden to measure and manage GHG emissions. 900 U.S. local governments have established ClearPath accounts. ICLEI USA technical advisors support users who developed 336 community inventories and 196 municipal inventories in 2019.

## ICLEI PATHWAYS



### SDGS

*Goal 7: Affordable and clean energy | Goal 8: Decent work and economic growth | Goal 13: Climate action*

### THEMES / FOCUS AREAS

*Climate  
Resilience  
Buildings*

### PARTICIPATING LOCAL GOVERNMENTS

*15 local & regional governments in the United States*

## ICLEI PATHWAYS



### SDGS

*Goal 7: Affordable and clean energy | Goal 13: Climate action*

### THEMES / FOCUS AREAS

*Air Quality  
Climate  
Energy*

### PARTICIPATING LOCAL GOVERNMENTS

*4 local & regional governments in the United States*



# NATURE-BASED DEVELOPMENT



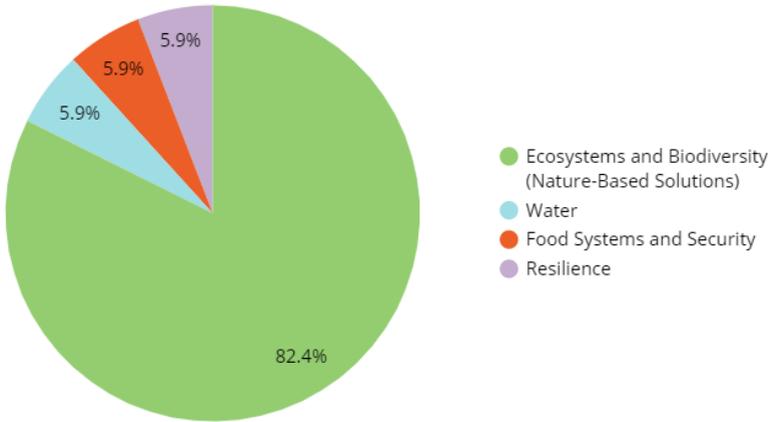
**23** NATURE-BASED DEVELOPMENT ACTIVITIES ONGOING

**146** CITIES, TOWNS AND REGIONS INVOLVED

**53** COUNTRIES INVOLVED

Nature-based development protects and enhances the biodiversity and ecosystems in and around our cities, which underpin key aspects of our local economies and upon which we depend for the well-being and resilience of our communities. Healthy local environments are prioritized in policy and planning, and jurisdictions pursue economic opportunities based on nature and ecosystem services. Nature-based development seeks out blue and green infrastructure options and promotes green zones to reconnect and engage with nature in our urban world.

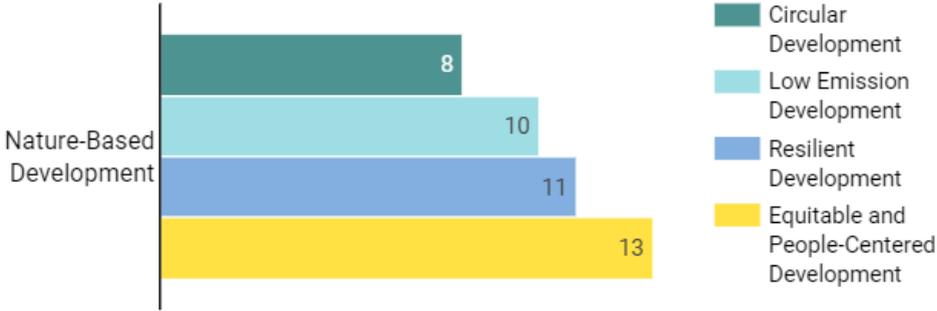
## NATURE-BASED DEVELOPMENT ACTIVITIES BY THEME



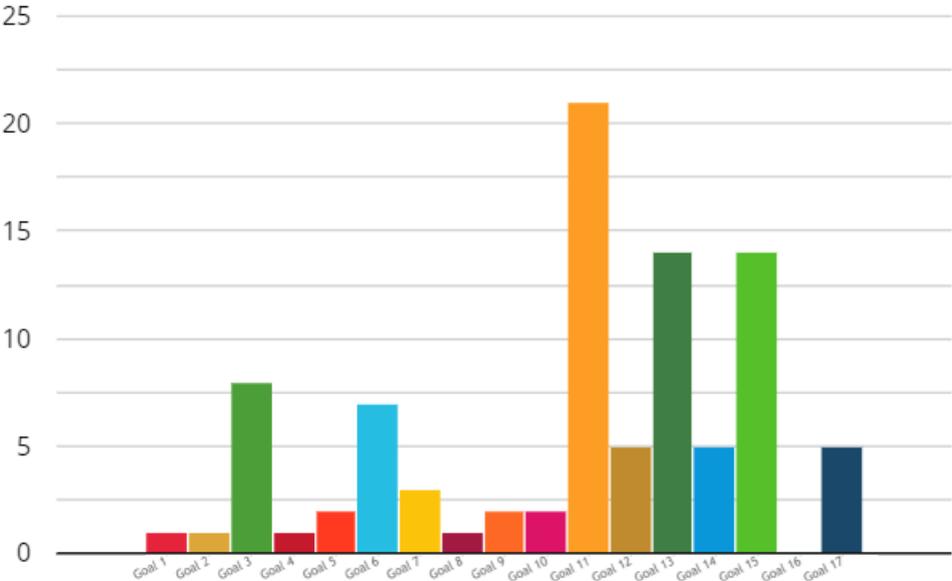
# NATURE-BASED DEVELOPMENT



## RELATED PATHWAYS OF NATURE-BASED DEVELOPMENT ACTIVITIES



## NATURE-BASED DEVELOPMENT ACTIVITIES BY SDGS



# NATURE-BASED DEVELOPMENT



## CITIESWITHNATURE PARTNERSHIP INITIATIVE

Through CitiesWithNature (CWN), local and regional governments are able to enhance the potential of nature to provide essential ecosystem services and solutions for the overall health of human habitats and urban areas. Through this platform, cities can engage, connect, learn, share, act, and inspire each other in the way of biodiversity and urban nature. ICLEI enables its local and regional constituency to access and influence global biodiversity processes and provides a one-stop-shop, or “big tent” under which projects, initiatives, and programs aimed at enhancing nature can be celebrated, shared, and promoted. CWN is recognized by the SCBD as the official vehicle for local and subnational governments to report their commitments and ambitions for the post-2020 Global Biodiversity Framework. ICLEI develops strategic global partnerships and the ongoing and continuous development of the various components and pathways of the CWN platform.

## ICLEI PATHWAYS



## SDGS

*Goal 3: Good health and well-being | Goal 5: Gender equality | Goal 6: Clean water and sanitation | Goal 7: Affordable and clean energy | Goal 9: Industry, innovation, and infrastructure | Goal 10: Reduced inequalities | Goal 11: Sustainable cities and communities | Goal 13: Climate action | Goal 14: Life below water | Goal 15: Life on land | Goal 17: Partnerships for the goals*

## THEMES / FOCUS AREAS

*Ecosystems and Biodiversity (Nature-based Solutions)  
Policy and advocacy  
Peer Learning and Knowledge Sharing*

## PARTICIPATING LOCAL GOVERNMENTS

*More than 100 local & regional governments worldwide*

# NATURE-BASED DEVELOPMENT



## UNDERSTANDING INNOVATIVE INITIATIVES FOR GOVERNING FOOD, WATER AND ENERGY NEXUS IN CITIES

The trade-offs between food, water and energy (FWE) can generate unsustainable urbanization pathways, which contribute to socio-economic problems including poverty, conflicts and diseases. However, too little is known about the intersection of FWE in cities. At the same time, green and blue infrastructure (GBI) has emerged as a viable solution to many urban problems with low cost, sustainable outcomes. Using empirical research, ICLEI is developing a framework and tools to assess changes in food-water-energy nexus, their related trade-offs and the building of innovative capabilities in cities for developing innovative solutions to the food, water and energy nexus and manage green and blue infrastructure at the urban level. ICLEI is supporting the development of frameworks and tools that guide urban governance on the food-water-energy nexus. The project assesses the changes in trade-offs of food-water-energy nexus (FWEN) in green and blue infrastructure (GBI) and their association with spatial planning and governance in eight cities using empirical cases. This will provide a better understanding of the barriers that hinder innovative and integrated FWEN approaches using GBI at different scales; and look for the common features of diverse interventions.

## GROUP OF LEADING SUBNATIONAL GOVERNMENTS TOWARDS ACHIEVING THE AICHI BIODIVERSITY TARGETS

ICLEI supports the subnational governments' initiative on achieving Aichi Biodiversity Targets. Aichi Prefecture called for a group of leading subnational governments showing significant efforts for achieving the Aichi Targets. The initiative was established during CBD-COP13 in Cancun, Mexico in 2016 and joined by a significant number of subnational governments. ICLEI supported its launch and is contributing to develop their joint activities toward COP14 and beyond.

## ICLEI PATHWAYS



### SDGS

*Goal 2: Zero hunger | Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production | Goal 6: Clean water and sanitation | Goal 7: Affordable and clean energy*

### THEMES / FOCUS AREAS

*Ecosystems and Biodiversity (Nature-based Solutions)  
Energy  
Water*

### PARTICIPATING LOCAL GOVERNMENTS

*7 local & regional governments worldwide*

## ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 14: Life below water | Goal 15: Life on land*



# NATURE-BASED DEVELOPMENT



## ICLEI CITIES BIODIVERSITY CENTER

Since 2008, ICLEI's Cities Biodiversity Center (CBC) has convened successive summits as official parallel events to the Conference on Biological Diversity COP, to enable local and subnational governments engagement. These Summits have resulted in strong political outcomes, including the Quintana Roo (2016) and Sharm El-Sheikh (2018) Communiqués, Nagoya Plan of Action on Subnational Governments, Cities and Other Local Authorities for Biodiversity (2011 - 2020), adopted at COP 10 in 2010, and of many decisions on local and subnational governments. Through these outcomes, ICLEI CBC has shaped a global policy environment that supports local and regional governments in their efforts to scale up and mainstream nature in sustainable urban development worldwide. ICLEI has also developed a dedicated website for local and subnational governments to advance the Action Agenda for Nature and People and the post-2020 Global Biodiversity Framework and holds monthly informational webinars. The CBC supports the work of CitiesWithNature.

## INTEGRATED ACTION ON BIODIVERSITY

INTERACT Bio is a 4-year project designed to improve the utilization and management of nature within fast-growing cities and the regions surrounding them. It aims to provide expanding urban communities in the Global South with nature-based solutions and associated long-term benefits. The project enables governments at all levels – from local to national – to integrate their efforts for mainstreaming biodiversity and ecosystem services into core subnational government functions such as spatial planning, land-use management, local economic development and infrastructure design. It further supports city-regions to understand and unlock, within their specific local context, the potential of nature to provide essential services and new or enhanced economic opportunities, while simultaneously protecting and enhancing the biodiversity and ecosystems on which these services and opportunities depend. Such actions place the participating city-regions on a more resilient and sustainable development path.

## ICLEI PATHWAYS



### SDGS

*Goal 1: No poverty | Goal 3: Good health and well-being | Goal 5: Gender equality | Goal 6: Clean water and sanitation | Goal 8: Decent work and economic growth | Goal 9: Industry, innovation, and infrastructure | Goal 10: Reduced inequalities | Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production | Goal 13: Climate action | Goal 14: Life below water | Goal 15: Life on land | Goal 16: Peace, justice and strong institutions | Goal 17: Partnerships for the goals*

### THEMES / FOCUS AREAS

*Ecosystems and Biodiversity (Nature-based Solutions)  
Climate  
Urban and Rural Linkages*

## ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 17: Partnerships for the goals*

### THEMES / FOCUS AREAS

*Ecosystems and Biodiversity (Nature-based Solutions)*

# NATURE-BASED DEVELOPMENT



## VERTICAL-HORIZONTAL INTEGRATION AND SUBNATIONAL IMPLEMENTATION OF NBSAPS

ICLEI provides awareness raising and capacity building to all spheres of government in mainstreaming biodiversity, through guidance on vertical and horizontal integration to ensure successful implementation of biodiversity strategies and action plans (BSAPS); clarifies the role and contribution to be made at national, subnational and local level; and provide practical technical guidance to national, subnational and local governments in 13 areas of action to promote integration, coordination and co-operation in developing and implementing National Biodiversity Strategies and Action Plans under the Convention of Biological Diversity.

## AFRICA WATER AND SANITATION LOCAL AUTHORITIES NETWORK

ICLEI provides a unique platform enabling local governments to exchange knowledge and good practice, consider emerging challenges and innovations and explore collaborative action towards seeking a paradigm shift for more sustainable, resilient and equitable urban water and sanitation practices in Africa. For this project, ICLEI's main aims are to promote knowledge exchange, build capacity, facilitate connections and empower advocacy.

### ICLEI PATHWAYS



### SDGS

*Goal 15: Life on land*

### ICLEI PATHWAYS



### SDGS

*Goal 3: Good health and well-being | Goal 6: Clean water and sanitation | Goal 11: Sustainable cities and communities*



# NATURE-BASED DEVELOPMENT



## URBAN NATURAL ASSETS FOR AFRICA

Urban Natural Assets for Africa (UNA), implemented from 2014 to present, in eight African cities and six countries, seeks to improve human well-being, contribute to poverty alleviation and build climate resilience through integrating nature-based solutions into land use planning. UNA has three flagship projects; Urban Natural Assets for Africa (UNA Africa), Urban Natural Assets for Africa: Rivers for Life (UNA Rivers), and Urban Natural Assets for Africa: Coasts for Life (UNA Coasts). Both UNA Rivers and UNA Coasts build off the capacity development and training conducted as part of UNA Africa. UNA Coasts cities in Mozambique receive support with improved knowledge and understanding of challenges and opportunities within urban coastal zones; using natural assets to offset these challenges and maximize opportunities; the development of a tailor-made coastal natural asset management plan; and identifying opportunities to enhance sustainable livelihoods. These cities are also receiving tailored support to assist them in activating finance for project proposals that harness nature based solutions for resilience. UNA Rivers supports cities to mainstream biodiversity and nature-based solutions into land use planning and decision-making processes; increase awareness of ecosystem services; improve coordination between key stakeholders; connect with local communities to encourage appreciation of nature and how it enhances human well-being; and implement community-based projects for restoration and revitalization along urban rivers.

## EUROPEAN UNION WATER POLICY ALLIANCE PARTNERSHIP

Water should be a priority in the EU policies due to its importance for the economy, environment, and quality of life of the European citizens. ICLEI has created an alliance with 25 cities to prepare a framework for European cities with the objective of achieving a more coherent and thus more effective representation and visibility for water at the EU level. ICLEI aims to achieve this by supporting the implementation of the European Union water policy and the SDGs through sustainable water management at local level.

## ICLEI PATHWAYS



### SDGS

*Goal 3: Good health and well-being | Goal 5: Gender equality | Goal 11: Sustainable cities and communities | Goal 13: Climate action*

## THEMES / FOCUS AREAS

*Ecosystems and Biodiversity (Nature-based Solutions)  
Resilience  
Peer Learning and Knowledge Sharing*

## ICLEI PATHWAYS



### SDGS

*Goal 6: Clean water and sanitation | Goal 11: Sustainable cities and communities*

## PARTICIPATING LOCAL GOVERNMENTS

*25 local & regional governments in Europe*

# NATURE-BASED DEVELOPMENT



## CONNECTING NATURE

Most cities see blue/green infrastructure as being necessary for absorbing episodic rainfall, as species repositories, and for recreation and wellbeing. Others see blue/green infrastructure such as woodlands and street trees, green roofs and walls, rain gardens and opportunities for reducing the effects of urban heat islands, increasing biodiversity, sinking carbon and diminishing the detrimental effects of particulate and noise pollution. Whatever the blue/green infrastructure typology, the challenges for creating, managing and innovating are high. The Connecting Nature front-runner cities will draw on their experiences and work with fast-follower cities in a capacity-building role. The project expands upon existing urban sustainability and innovation initiatives, creates a reference framework of clear and useful indicators for the implementation and evaluation of nature-based solutions, builds expertise and competency in all cities for innovative urban planning, policy and solution implementation, generates economic opportunities for a diversity of urban actors in Europe, and nurtures urban community support, idea creation, active stakeholder participation and idea implementation at local levels and expansion and replication at a global level, through the global reach of ICLEI.

## ICLEI PATHWAYS



## SDGS

*Goal 3: Good health and well-being | Goal 6: Clean water and sanitation | Goal 11: Sustainable cities and communities | Goal 13: Climate action | Goal 15: Life on land*

## THEMES / FOCUS AREAS

*Water  
Resilience  
Climate*

## PARTICIPATING LOCAL GOVERNMENTS

*11 local & regional governments in Europe*



# NATURE-BASED DEVELOPMENT



## CLEVER CITIES - CO-DESIGNING LOCALLY TAILORED ECOLOGICAL SOLUTIONS

Limited availability of physical space for the built environment, changing urban demographics, and increasing cultural diversity are foreseen to compound such consequences. Economically deprived, abandoned and neglected urban areas with a low share of green areas are particularly vulnerable to such shifts, and commonly face a lack of economic opportunities, increased health risks, degraded physical environments and limited access to (healthy) natural resources as well as low levels of social cohesion, elevated crime rates and high levels of perceived insecurity. Populations facing such local challenges often lack opportunities to express their needs, contribute their knowledge or be involved in developing and implementing suitable solutions. While urban regeneration has been highlighted as a necessary response to improve the fortune of these vulnerable areas and populations, environmental improvements have generally been considered as a consequence rather than a catalyst for regeneration. The CLEVER Cities project uses nature-based solutions to address urban challenges and promote social inclusion in cities across Europe, South America and China. ICLEI leads on developing a roadmap, capacity building, stakeholder engagement and communications.

## ICLEI PATHWAYS



## SDGS

*Goal 3: Good health and well-being | Goal 10: Reduced inequalities | Goal 11: Sustainable cities and communities | Goal 13: Climate action | Goal 17: Partnerships for the goals*

## THEMES / FOCUS AREAS

*Ecosystems and Biodiversity  
(Nature-based Solutions)  
Health  
Resilience*

## PARTICIPATING LOCAL GOVERNMENTS

*9 local & regional governments in Europe and Ecuador*

# NATURE-BASED DEVELOPMENT



## PROGIREG - PRODUCTIVE GREEN INFRASTRUCTURE FOR POST-INDUSTRIAL URBAN REGENERATION

Post-industrial urban regeneration areas face many challenges and have a specific and increasing need for nature-based solutions. Many of them not only suffer from social and economic disadvantages, inequality and related crime and security problems, but also lack quality greenspaces and are significantly more vulnerable to the effects of climate change and natural hazards. Investment in green infrastructure (GI) can help to reduce these problems is often limited to one-off interventions which are publicly funded through national or EU-level programs. This approach creates weaknesses and conflicts in the provision and use of GI. How can we consider GI as a new urban community resource which is created, owned and managed, not only by public authorities, but which relies on co-design, co-creation and co-management in partnership with stakeholders from the private sector, academia, civil society? Eight nature-based solutions, which will support the regeneration of urban areas affected by deindustrialisation, are being deployed and receiving support in developing their strategies for embedding nature-based solutions at local level through co-design processes and engage in learning exchanges for future replication of NBS.

## ICLEI PATHWAYS



## SDGS

*Goal 10: Reduced inequalities | Goal 11: Sustainable cities and communities*

## THEMES / FOCUS AREAS

*Ecosystems and Biodiversity (Nature-based Solutions)  
Peer Learning and Knowledge Sharing  
Science-Policy Interface*

## PARTICIPATING LOCAL GOVERNMENTS

*8 local & regional governments in Europe and China*



# NATURE-BASED DEVELOPMENT



## REGREEN - FOSTERING NATURE-BASED SOLUTIONS FOR SMART, GREEN AND HEALTHY URBAN TRANSITIONS IN EUROPE AND CHINA

Increased urbanisation and expansion of urban areas, particularly in China but also in Europe, causes radical changes to, and eradication and fragmentation of, ecosystems and Green Infrastructure (GI). The premise for REGREEN is that implementation of well devised nature-based elements in the urban design and infrastructure, that take advantage of the multiplicity of services that ecosystem functions can provide, and take into account their relevant scales and structure, will result in urban developments that better meets citizen's expectations of a healthy, biodiverse, and resilient urban life. The overall aim of REGREEN is to promote urban liveability, by systematically modelling and combining ecosystem services and biodiversity as the basis for NBS that can be widely deployed by public and private actors.

## CO-PRODUCING NATURE-BASED SOLUTIONS AND RESTORED ECOSYSTEMS: TRANSDISCIPLINARY NEXUS FOR URBAN SUSTAINABILITY

ICLEI is catalyzing nature-based solutions partnerships, engaging stakeholders to share inspiration, knowledge, skills and processes, using better evidence to maximise capacity to restore ecosystems in diverse, dynamic settings and promoting innovative NBS. ICLEI is also leading a task to identify NBS-related needs of stakeholders and professional skill shortages related to NBS and support the creation of NBS capacity-building programs and skill-building curricula.

### ICLEI PATHWAYS



### SDGS

*Goal 3: Good health and well-being | Goal 4: Quality education | Goal 11: Sustainable cities and communities | Goal 15: Life on land*

### THEMES / FOCUS AREAS

*Ecosystems and Biodiversity (Nature-based Solutions)  
Peer Learning and Knowledge Sharing  
Resilience*

### PARTICIPATING LOCAL GOVERNMENTS

*3 local & regional governments in Europe*

### ICLEI PATHWAYS



### SDGS

*Goal 1: No poverty | Goal 3: Good health and well-being | Goal 5: Gender equality | Goal 6: Clean water and sanitation | Goal 8: Decent work and economic growth | Goal 9: Industry, innovation, and infrastructure | Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production | Goal 13: Climate action | Goal 15: Life on land | Goal 17: Partnerships for the goals*

### THEMES / FOCUS AREAS

*Ecosystems and Biodiversity (Nature-based Solutions)  
Urban and Rural Linkages  
Science-Based Research*

# NATURE-BASED DEVELOPMENT



## GO GREEN ROUTES - RESILIENT OPTIMAL URBAN NATURAL, TECHNOLOGICAL AND ENVIRONMENTAL SOLUTIONS

How can nature-based solutions contribute to health? The EU-funded GoGreenRoutes project answers this question. Its transdisciplinary consortium pioneers a unique approach to nature-based solutions by creating green corridors and cultivating a positive human-nature relationship. The project's goal is to position European citizens as world ambassadors of urban sustainability. Advancing mental health and well-being, the project's components focus on nature-based enterprise, sustainable physical activity and digital, cultural and knowledge innovation. A knowledge ecosystem with urban communities raises awareness about links between human and environmental health

## NETWORKNATURE - ADVANCING NATURE-BASED SOLUTIONS TOGETHER

ICLEI coordinates NetworkNature - Advancing nature-based solutions together. This project establishes a platform for the exchange of knowledge in the field of NBS bringing together different actors. ICLEI holds the outreach secretariat and helpdesk guiding the platform governance and drives the selection of semester themes for NBS making sure there is maximization of impact and extending the NBS community of practice and ensures the dissemination of gathered knowledge and provide support and guidance for EU policymakers.

### ICLEI PATHWAYS



### SDGS

*Goal 3: Good health and well-being | Goal 11: Sustainable cities and communities | Goal 13: Climate action | Goal 15: Life on land*

### THEMES / FOCUS AREAS

*Ecosystems and Biodiversity (Nature-based Solutions)  
Health  
Science-Based Research*

### ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 13: Climate action | Goal 15: Life on land | Goal 17: Partnerships for the goals*

### THEMES / FOCUS AREAS

*Ecosystems and Biodiversity (Nature-based Solutions)  
Policy and advocacy  
Peer Learning and Knowledge Sharing*



# NATURE-BASED DEVELOPMENT



## NICE - INNOVATIVE AND ENHANCED NATURE-BASED SOLUTIONS FOR SUSTAINABLE URBAN WATER CYCLE

The overall objective of NICE is to widen the availability of enhanced Nature Based Solutions (NBS) to provide circular urban water solutions. NICE provides key knowledge for the design and implementation of NBS, closing urban water loops. ICLEI leads the outreach strategy of the project, as well as clustering with other projects and initiatives. ICLEI as lead actor in the NBS policy arena in Europe and globally will ensure that NICE reaches all stakeholders. Tasks include analysing current standards and proposing how to align the NICE's innovative NBS pilots for improving the urban water cycle with the IUCN Global Standard for NBS; contributing to the exploitation strategy and clustering activities with other ongoing and future NBS projects as well as organizing capacity building events.

## UPSURGE

ICLEI leads the WP "EU Regional Urban Lighthouse", which aims to become a nature-based solutions reference framework. The ICLEI will guide cities and other investors in implementing NBS and establish a NBS Clustering Network to attract new cities and other NBS investors as part. A special consultancy service will be established within the Lighthouse, assisting cities in their regenerative transition, supported by several tools and methods developed in UPSURGE.

## ICLEI PATHWAYS



## SDGS

*Goal 6: Clean water and sanitation | Goal 11: Sustainable cities and communities | Goal 13: Climate action | Goal 15: Life on land*

## THEMES / FOCUS AREAS

*Ecosystems and Biodiversity (Nature-based Solutions)  
Water  
Private Sector Engagement (e.g. Public-Private Partnership)*

## ICLEI PATHWAYS



## SDGS

*Goal 11: Sustainable cities and communities | Goal 13: Climate action | Goal 15: Life on land*

## THEMES / FOCUS AREAS

*Ecosystems and Biodiversity (Nature-based Solutions)  
Air Quality  
Climate*

# NATURE-BASED DEVELOPMENT



## URBANA - URBAN ARENA FOR SUSTAINABLE AND EQUITABLE SOLUTIONS

UrbanA takes up the challenge of synthesizing and brokering the knowledge and experience generated in EU-funded projects, many of which have identified interventions that address grand societal challenges, of which urban inequalities and social exclusion across different contexts. In this way, UrbanA supports city-makers – including researchers, policymakers and practitioners – in transforming European cities into inclusive and sustainable urban and peri-urban environments. UrbanA co-creatively maps urban sustainability interventions, assessing their potential to improve urban social equity and inclusion and identifying potential avenues and agents by which such interventions could be transferred to more widespread governance contexts. UrbanA also develops actionable and actor specific solutions, which are disseminated to key local and European actors.

## CITIESWITHNATURE AUSTRALIA

ICLEI launched the new CitiesWithNature initiative in 2018 and over 100 cities have now registered on the global website. This activity aims to bring CWN to Australian local governments, offering a blend of international and locally designed resources, tools, events and network activities.

### ICLEI PATHWAYS



#### SDGS

*Goal 7: Affordable and clean energy | Goal 9: Industry, innovation, and infrastructure | Goal 11: Sustainable cities and communities | Goal 13: Climate action*

#### THEMES / FOCUS AREAS

*Ecosystems and Biodiversity  
(Nature-based Solutions)*

### ICLEI PATHWAYS



#### SDGS

*Goal 11: Sustainable cities and communities | Goal 13: Climate action | Goal 15: Life on land*

#### THEMES / FOCUS AREAS

*Ecosystems and Biodiversity  
(Nature-based Solutions)  
Climate  
Resilience*

#### PARTICIPATING LOCAL GOVERNMENTS

*15 local & regional governments in Australia*



# NATURE-BASED DEVELOPMENT



## PREPARATION OF THE UNESCO WORLD HERITAGE - DOSSIER FOR MAJULI ISLAND

ICLEI supports the Assam State Government to prepare a nomination dossier which highlights Majuli Island's Unique Natural and Cultural heritage which will enable it to be listed as a UNESCO World Heritage site.

## CITY OF JOHANNESBURG TECHNICAL SUPPORT TOWARDS SUSTAINABILITY AND A LOW CARBON ECONOMY

This project supports the City of Johannesburg to secure, promote, enhance and protect natural systems and build resilience towards environmental sustainability for human well-being and economic prosperity through the following work packages: Local Biodiversity Strategy & Action Plan (LBSAP); Bioregional Plan; catchment management; invasive species control and management; ecosystems services assessment and evaluation; environmental awareness; waste management and vehicle emissions.

### ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 13: Climate action | Goal 14: Life below water | Goal 15: Life on land*

### PARTICIPATING LOCAL GOVERNMENTS

*1 regional government in India*

### ICLEI PATHWAYS



### SDGS

*Goal 3: Good health and well-being | Goal 6: Clean water and sanitation | Goal 7: Affordable and clean energy | Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production | Goal 13: Climate action | Goal 17: Partnerships for the goals*

### THEMES / FOCUS AREAS

*Ecosystems and Biodiversity (Nature-based Solutions)  
Climate  
Waste*

### PARTICIPATING LOCAL GOVERNMENTS

*1 local government in South Africa*

# NATURE-BASED DEVELOPMENT



## ROADMAP NEW DEAL FOR NATURE AND PEOPLE

We are losing nature faster than it can restore itself. The Roadmap ND4NP addresses the call for engaging local and subnational governments to protect and restore nature for the benefit of people and planet – proposing no more loss of natural spaces or extinctions as well as halving the negative ecological impacts of production and consumption. The Roadmap ND4NP in Brazil will contribute to strengthening the role of local and subnational governments in systematizing and showcasing the Brazilian perspectives for the Post-2020 Biodiversity Framework. The project strengthen the nexus between biodiversity and other global agendas through an approach systemic, exemplifying as Nature Based Solutions (SbN), local protected areas and Green and blue infrastructures can contribute positively to the solution of local and regional challenges such as food systems, water quality, health, job creation, climate change, well-being and quality of life; and strengthens and empowers local and subnational governments with technical and scientific knowledge on issues linked to biodiversity, reinforcing support for the production and collection of data, aim to improve decision-making.

## ICLEI PATHWAYS



## SDGS

*Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production | Goal 13: Climate action | Goal 14: Life below water | Goal 15: Life on land*

## THEMES / FOCUS AREAS

*Food Systems and Security  
Climate  
Ecosystems and Biodiversity  
(Nature-based Solutions)*



# CIRCULAR DEVELOPMENT



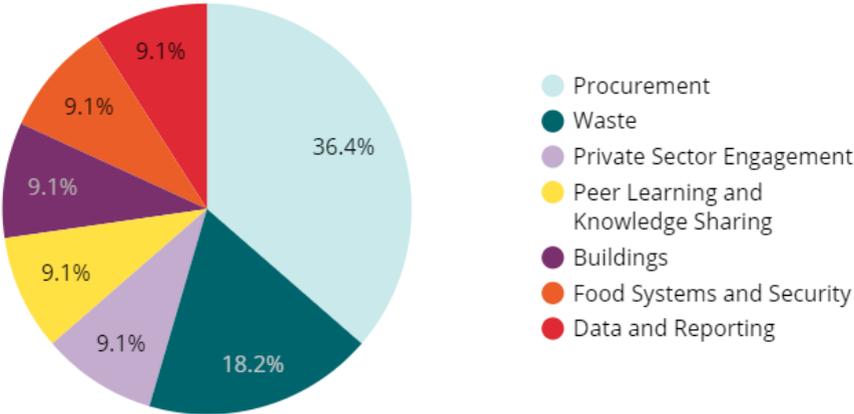
**11** CIRCULAR DEVELOPMENT ACTIVITIES ONGOING

**23** CITIES, TOWNS AND REGIONS INVOLVED

**18** COUNTRIES INVOLVED

Circular development, together with new models of production and consumption, builds sustainable societies that use recyclable, sharable and regenerative resources to end the linear model of “produce, consume, discard,” while continuing to meet the material and development needs of a growing global population. Circular development decouples urban economic development from resource consumption and environmental degradation and factors environmental and social costs into the price of goods and services, through equitable access to resources, closed-loop urban systems and sustainable waste management options. New local economies can be born out of circular development, economies that are productive and not extractive, where resources are exchanged and not wasted.

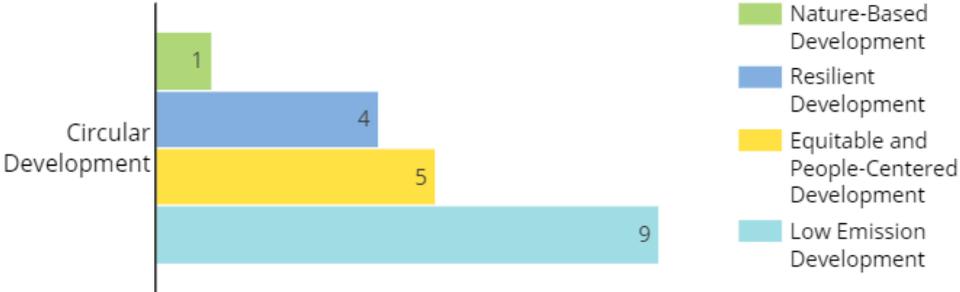
## CIRCULAR DEVELOPMENT ACTIVITIES BY THEME



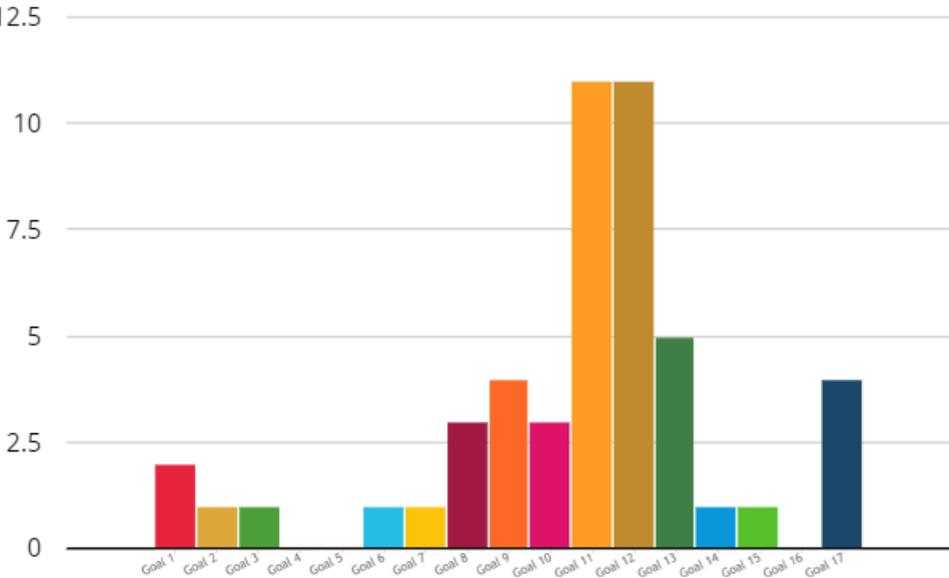
# CIRCULAR DEVELOPMENT



## RELATED PATHWAYS OF CIRCULAR DEVELOPMENT ACTIVITIES



## CIRCULAR DEVELOPMENT ACTIVITIES BY SDGS



# CIRCULAR DEVELOPMENT



## CIRCLE CITY SCAN TOOL PILOTS

The principles of a circular economy are highly relevant to cities, yet for many this is a new topic that at first is not easy to relate to city functions. Since 2015, Circle Economy's Cities Programme has worked with over 20 cities to develop well-informed circular economy strategies based on material flow data and the local socio-economic context. To allow more cities to conduct these assessments, the process is being digitised in the form of an open-access online tool called the "Circle City Scan Tool". The Circle City Scan Tool aims to allow any local government or city change agent to identify and prioritize circular opportunities for their city or region, based on socioeconomic and material flow data about their context. The tool has been developed in its prototype version by Circle Economy. To ensure the tool can be adapted to fit different regional contexts and addresses the practical needs of cities, ICLEI experts will be testing the tool and providing recommendations for improvements.

## CIBIX – CITY-BUSINESS COLLABORATION ACCELERATOR

The City-Business Collaboration Accelerator (CiBiX) is a platform to increase engagement and collaboration between cities and businesses on city-led urban sustainability challenges. Through CiBiX, ICLEI provides a neutral platform that enables local government to take an active role in presenting their challenges to relevant private sector experts. Together they are able to participate in an early-engagement workshop that helps the city to receive new contributions as well as identify potential solutions and partnerships which they can choose to further explore. For businesses, it provides a strong networking opportunity to connect with local governments and learn exactly what their needs are in a particular sector or challenge scenario. The CiBiX Platform encourages cities to frame their urban challenges with a private sector engagement perspective- helping them to take the first step towards exploring potential partnerships relevant for their needs.

## ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production | Goal 17: Partnerships for the goals*

## THEMES / FOCUS AREAS

*Waste*

## PARTICIPATING LOCAL GOVERNMENTS

*10 local & regional governments worldwide*

## ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production | Goal 13: Climate action | Goal 8: Decent work and economic growth | Goal 17: Partnerships for the goals | Goal 9: Industry, innovation, and infrastructure*

## THEMES / FOCUS AREAS

*Private Sector Engagement (e.g. Public-Private Partnership)*

# CIRCULAR DEVELOPMENT



## GREEN CIRCULAR CITIES COALITION

The Green Circular Cities Coalition responds to the urgent need for the circular society in cities in Europe and Asia. The take-make-dispose economy has been identified as the root cause of environmental crises in cities. The economic development driven by production and consumption and the lack of closing-the-loop thinking and design has led to an increase in the amount of unwanted waste. Hence, the Coalition advocates the necessity of circular and systems thinking and facilitates knowledge exchange. ICLEI connects like-minded cities to exchange experiences and lessons learned on the way towards the circular economy, advocates the necessity of closing-the-loop thinking, identifies cities' circular good practices, shares the latest knowledge and provides suggestions on mainstreaming the circular development in urban strategic planning and policies. ICLEI raises the attention on the circular development in cities and encourages multi-stakeholders dialogues by facilitating peer-learning and exchange.

## INCLUSIVE METABOLISM: USING CO-PRODUCED THEORY OF INFORMAL DECENTRALISED URBAN INFRASTRUCTURES TO TRANSFORM THE DELIVERY OF URBAN FOOD, WATER AND ENERGY SERVICES IN GHANA & SOUTH AFRICA

This project uses narrative and photography to convene stakeholders and explore interlinkages between food water and energy security in Cape Town and Kumasi. An understanding of African urban metabolisms is invaluable to shaping policies and plans which can provide basic services to rapidly growing urban populations in ways which support socially-inclusive and environmentally-restorative development. Using food systems as an entry point, this project aims to examine how informal infrastructure systems facilitate service provision. This study will examine the movement of energy, water and food, into, out of, and within three African cities.

## ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production | Goal 13: Climate action | Goal 14: Life below water | Goal 15: Life on land | Goal 17: Partnerships for the goals*

### THEMES / FOCUS AREAS

*Peer Learning and Knowledge Sharing  
Waste  
Food Systems and Security*

## ICLEI PATHWAYS



### SDGS

*Goal 1: No poverty | Goal 2: Zero hunger | Goal 3: Good health and well-being | Goal 10: Reduced inequalities | Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production*

### THEMES / FOCUS AREAS

*Food Systems and Security  
Peer Learning and Knowledge Sharing  
Resilience*

### PARTICIPATING LOCAL GOVERNMENTS

*2 local & regional governments in Africa*



# CIRCULAR DEVELOPMENT



## WESTERN CAPE SMART PROCUREMENT PROGRAMME, SUSTAINABLE PROCUREMENT CITIES NETWORK SOUTH AFRICA

Working with local and subnational governments, ICLEI develops and implements smart procurement programs and city-to-city networks to strategically support these governments to build capacity and engage with stakeholders (both local and provincial government and private sector) to implement and embed sustainable procurement practices in Africa.

## CITYLOOPS - CLOSING THE LOOP FOR URBAN MATERIAL FLOWS

Construction and demolition waste (CDW) – including soil – and organic waste (OW) are two of the most significant urban material flows with a remarkable environmental impact in European cities. Led by ICLEI, the EU-funded CityLoops project will develop a series of innovative procedures, approaches and open access and open source tools to embed circularity within planning and decision making processes for CDW and OW in cities. The ultimate goal is to drive the transition to a circular economy. The solutions and actions developed in CityLoops range from instruments for predicting future excavated CDW and soil production, to awareness-raising campaigns, circularity decision making support tool, simulation of impacts 3D visualisation tools and procurement guidelines for OW products.

## ECOPROCURA CONFERENCE SERIES

The EcoProcura conference series is where public procurement policy meets practice, and where future innovations originate. For 20 years, EcoProcura conferences promote exchange and dialogue amongst purchasers from all levels of governments, suppliers, policy-makers and multipliers on strategies and the latest practical solutions on SPP every 3-4 years. The purpose of the EcoProcura is to provide a forum to encourage public authorities (with a focus on local governments) and their partners, such as businesses, to exchange experiences and coordinate their actions and purchasing power in favour of sustainable and innovative products and services.

### ICLEI PATHWAYS



### SDGS

*Goal 8: Decent work and economic growth | Goal 11: Sustainable cities and communities*

### ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production*

### THEMES / FOCUS AREAS

*Buildings  
Waste*

### PARTICIPATING LOCAL GOVERNMENTS

*7 local & regional governments in Europe*

### ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production | Goal 13: Climate action*

### THEMES / FOCUS AREAS

*Procurement*

# CIRCULAR DEVELOPMENT



## EUROPEAN UNION GPP TRAINING PROGRAMME AND TRAINING TOOLKIT

For public authorities to leverage their purchasing power to create sustainable cities and economies, these public bodies need guidance to implement effective green public procurement (GPP) processes. The European Commission seeks a higher uptake of GPP throughout the EU, by providing high quality training material and targeted training schemes. ICLEI, along with other European Commission partners, supports training on GPP across 11 countries. ICLEI has developed the GPP training material and a curriculum for the training programs. ICLEI provides a comprehensive 'train the trainer' session to equip the national training organization with the knowledge and tools they need to carry our trainings in their countries.

## PROCURE2INNOVATE

The P2I project improves institutional support for public procurers of information and communication technologies (ICT) and other product groups implementing innovation procurement by establishing or expanding competence centers for innovation procurement in ten EU Member States. Specifically, the project builds a permanent network of competence centers to facilitate networking, knowledge sharing, collaboration and best practice exchange on innovation procurement; supports five existing innovation procurement competence centres to enlarge their scope, further increase their impact and enhance their services offered to public procurers; sets up five new innovation procurement competence centres and guides them in effectively addressing public procurers and increasing the efficient use of procurement of innovation; supports the competence centers in developing expertise to facilitate cross-border cooperation and joint procurement; and communicates and disseminates the tools, approaches and results developed by the competence centers at European level giving public procurers and other stakeholders in all EU Member States access to expertise and knowledge on innovative procurement.

## ICLEI PATHWAYS



## SDGS

*Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production | Goal 13: Climate action*

## THEMES / FOCUS AREAS

*Procurement*

## ICLEI PATHWAYS



## SDGS

*Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production*

## THEMES / FOCUS AREAS

*Procurement*



# CIRCULAR DEVELOPMENT



## CIRCULAR TURKU: REGIONAL COLLABORATION FOR RESOURCE WISDOM

The current linear economy relies on intensive resource extraction where the majority of materials are wasted after a single use. This generates huge amounts of emissions, destroys ecosystems and threatens the long-term availability of key resources. The Circular Turku project aims to design a regional roadmap to operationalize circularity in the Turku region with the support of local stakeholders and ICLEI and to equip local governments around the world with tools and methodologies to design their own circular transitions.

## ICLEI CIRCULARS

ICLEI Circulars is an ICLEI-led global platform gathering the latest knowledge on circular economy interventions at local and regional government levels around the world. It provides materials for awareness raising, offers capacity building and implementation support on circular development actions and policies, shares inspiring stories from the leading cities and facilitates peer-to-peer exchange.

## ICLEI PATHWAYS



### SDGS

*Goal 6: Clean water and sanitation | Goal 7: Affordable and clean energy | Goal 9: Industry, innovation, and infrastructure | Goal 10: Reduced inequalities | Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production | Goal 13: Climate action | Goal 17: Partnerships for the goals*

### THEMES / FOCUS AREAS

*Waste  
Climate  
Peer Learning and Knowledge Sharing*

### PARTICIPATING LOCAL GOVERNMENTS

*1 local government in Finland*

## ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production | Goal 17: Partnerships for the goals*

### THEMES / FOCUS AREAS

*Peer Learning and Knowledge Sharing*

# CIRCULAR DEVELOPMENT



## CIRCULAR JOBS IN INDONESIA

By prioritizing regenerative resources, preserving what is already made, using waste as a resource or new business models, the circular economy creates a variety of jobs across multiple sectors while at the same time, promoting sustainable development. UN Environment, Circle Economy and ICLEI have joined forces to support cities in monitoring the transition of their economy from linear to circular through local circular jobs. ICLEI is working with local actors in Bogor city to identify key circular economy challenges that the Circular Jobs methodology can help address to ensure the project yield tangible benefits at the local level. In addition to supervising the local data gathering process and supporting the baseline analysis, ICLEI is formulating recommendations based on the results of the analysis for circular economy projects that create local jobs and can build on community initiatives.

## ICLEI PATHWAYS



### SDGS

*Goal 1: No poverty | Goal 8: Decent work and economic growth | Goal 9: Industry, innovation, and infrastructure | Goal 10: Reduced inequalities | Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production*

### THEMES / FOCUS AREAS

*Data and Reporting  
Waste  
Peer Learning and Knowledge Sharing*

### PARTICIPATING LOCAL GOVERNMENTS

*1 local government in Indonesia*



# RESILIENT DEVELOPMENT



**18** RESILIENT DEVELOPMENT ACTIVITIES ONGOING

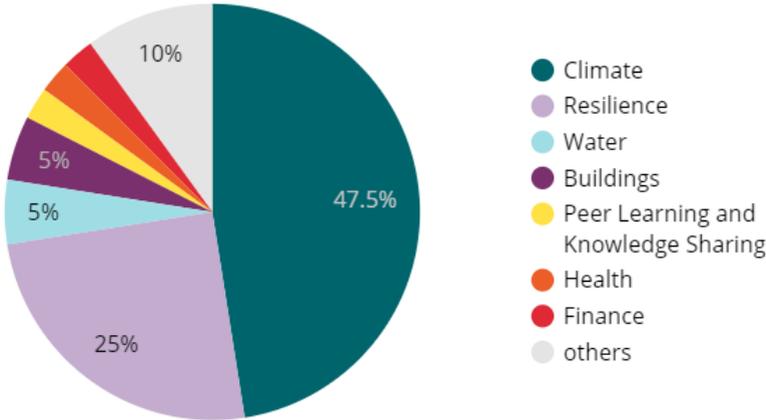
**29** CITIES, TOWNS AND REGIONS INVOLVED

**17** COUNTRIES INVOLVED

Resilient development anticipates, prevents, absorbs and recovers from shocks and stresses, in particular those brought about by rapid environmental, technological, social and demographic change, and improves essential basic response structures and functions.

Resilient development makes resilience a core part of all municipal strategies and prepares for new risks and impacts taking into account the rights and needs of vulnerable sections of our society. Resilient development continuously strengthens essential systems through a transparent and inclusive approach that enhances trust in public institutions.

## RESILIENT DEVELOPMENT ACTIVITIES BY THEME



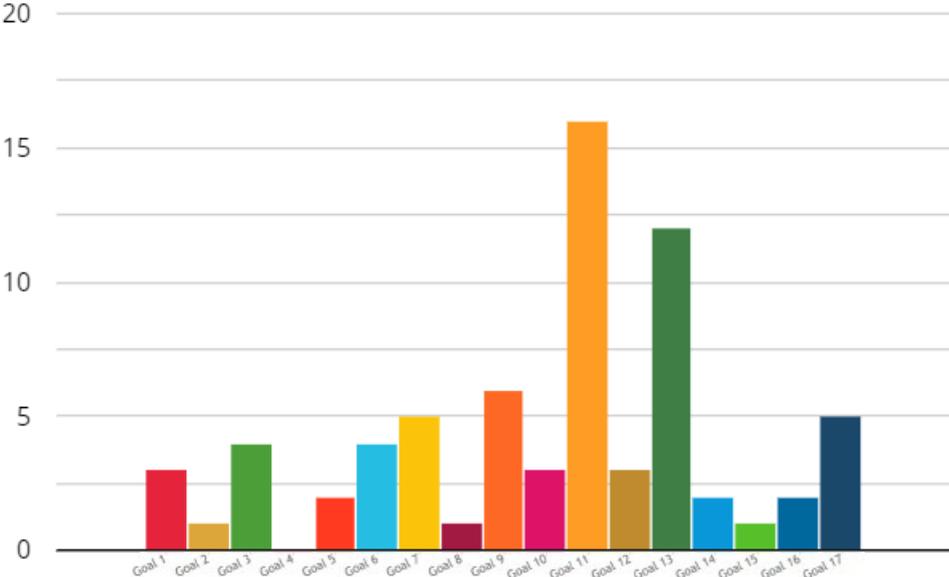
# RESILIENT DEVELOPMENT



## RELATED PATHWAYS OF RESILIENT DEVELOPMENT ACTIVITIES



## RESILIENT DEVELOPMENT ACTIVITIES BY SDGS



# RESILIENT DEVELOPMENT



## FRONTLINE CITIES AND ISLANDS

Many island urban settlements are growing rapidly but climate change and increasingly frequent disasters are stressing urban systems. There is inadequate recognition among the global community of the critical role of island cities, not only to plan and manage very rapid urban growth but to manage the interface between island communities and the oceans. While many island urban settlements are growing rapidly, climate change and increasingly frequent disasters are stressing urban systems. ICLEI promotes sustainable island and urban development through resilience and systems planning, clean energy, coastal fisheries management, infrastructure, innovative finance, ecosystems services, post disaster recovery and sustainable tourism. ICLEI collaborates with Mayors and leaders, through twinning of island cities with other cities and regions, to create fruitful partnerships to deliver scalable solutions to build resilience on islands and globally.

## ICLEI PATHWAYS



## SDGS

*Goal 1: No poverty | Goal 2: Zero hunger | Goal 3: Good health and well-being | Goal 6: Clean water and sanitation | Goal 7: Affordable and clean energy | Goal 9: Industry, innovation, and infrastructure | Goal 10: Reduced inequalities | Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production | Goal 13: Climate action | Goal 14: Life below water | Goal 15: Life on land | Goal 16: Peace, justice and strong institutions | Goal 17: Partnerships for the goals*

## THEMES / FOCUS AREAS

*Climate*

*Resilience*

*Ecosystems and Biodiversity  
(Nature-based Solutions)*

# RESILIENT DEVELOPMENT



## CITY RESILIENCE STORIES - WEBINAR SERIES

In the spirit of the Resilient City Congress, the ICLEI Resilient Development Team launched the City Resilience Stories - Webinar Series, providing a monthly space for cities and the urban resilience community to share their experiences on topical issues through a virtual encounter. Showcasing opportunities. As cities adapt and overcome these impacts, they can improve urban quality of life. Sharing city resilience stories invites a moment of reflection to consider such opportunities and move towards sustainable urban societies. Voice of cities. Climate change affects all cities, but they each face these challenges their own ways: Distinct geographies, sizes, or metropolitan capacities might mean different problems and reactions. Having cities as speakers fosters direct dialogues and enhances the sharing and learning experience. Interactive format. Making space for questions and answers, the City Resilience Stories webinar aims to engage the public in the discussion. Exploring deeper on challenges and opportunities, all can contribute to building more resilient cities.

## COVENANT OF MAYORS IN SUB-SAHARAN AFRICA (PHASE III)

The Covenant of Mayors in Sub-Saharan Africa supports Sub-Saharan African cities to tackle the interconnected challenges of climate change and access to sustainable energy. Started in 2015, CoM SSA is the African regional chapter of the Global Covenant of Mayors (GCoM), the largest network of cities driving urban climate action. CoM SSA provides broad-scale technical support to signatory cities through a Technical Helpdesk housed at ICLEI Africa, in Cape Town. At least 25 of these cities are provided with tailored technical support to develop and implement Sustainable Energy and Climate Action Plans (SEACAPs). As the initiative matures, the focus moves from planning to implementation and more specifically on unlocking climate finance at the local level. Implementing partners facilitate dialogue with private sector and finance institutions, link signatory cities with relevant initiatives for funding, facilitate inter-government dialogue on climate finance and co-ordinate action between international commitments, Nationally Determined Contributions (NDCs) and Sustainable Development Goals (SDGs).

## ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities*

## THEMES / FOCUS AREAS

*Resilience*

## ICLEI PATHWAYS



### SDGS

*Goal 5: Gender equality | Goal 7: Affordable and clean energy | Goal 9: Industry, innovation, and infrastructure | Goal 11: Sustainable cities and communities | Goal 13: Climate action | Goal 17: Partnerships for the goals*

## THEMES / FOCUS AREAS

*Energy  
Finance  
Data and Reporting*



# RESILIENT DEVELOPMENT



## GREENHOUSE GAS INVENTORY, CLIMATE ACTION PLAN, VULNERABILITY ASSESSMENT

One of the main scientific problems for understanding southern Africa's climate is that different models give contradictory scenarios for climate trends over the next 5–40 years. Through a transdisciplinary learning approach and scientific research, ICLEI contributes to an improved understanding of climate processes, and regional and local climate trends that drive the southern African climate system's natural variability and responses to change within that system. ICLEI addresses the challenge of providing accessible, timely, applicable and defensible climate information that is needed by decision-makers operating at the city regional scale.

## LOCAL CLIMATE SOLUTIONS FOR AFRICA (LOCS4AFRICA) CONGRESS

In 2011 ICLEI Africa launched the inaugural Local Climate Solutions for Africa. It brings together key national, subnational, local government and private sector leaders from across Africa to discuss and explore collective solutions for addressing climate related challenges that threaten to derail sustainable development in Africa. The 2020 theme "Financing for Change" responded to the growing acknowledgement worldwide that to tackle climate change, city-scale finance must be mobilized. Local finance will give subnational actors access to the resources they need to harness the emission reduction potential in cities, and to respond effectively to climate change at the local level. Improved multi-level governance and increased finance flow to the local level will speed up implementation of current national and international climate change commitments.

## ICLEI PATHWAYS



## SDGS

*Goal 11: Sustainable cities and communities*

## THEMES / FOCUS AREAS

*Climate  
Resilience  
Ecosystems and Biodiversity  
(Nature-based Solutions)*

## ICLEI PATHWAYS



## SDGS

*Goal 1: No poverty | Goal 3: Good health and well-being | Goal 6: Clean water and sanitation | Goal 7: Affordable and clean energy | Goal 11: Sustainable cities and communities | Goal 13: Climate action*

## THEMES / FOCUS AREAS

*Climate  
Peer Learning and Knowledge Sharing  
Resilience*

# RESILIENT DEVELOPMENT



## SCALING UP AND EMPOWERING MOVEMENTS FOR CLIMATE CHANGE ADVOCACY

Africa is known to be one of the most rapidly urbanizing continents globally. It is anticipated that more than a quarter of the world's fastest growing cities are in Africa, and regardless of policies, their urban populations will have tripled by 2050. This exponential growth, coupled with weak governance structures, limited resources, high levels of poverty and limited service delivery, put immense pressure on local and regional ecosystems, and increase the vulnerability of urban populations to climate change impacts. Through Scaling up and Empowering Movements for Climate Change Advocacy, ICLEI fosters a strong and effective collaboration between people-powered community and civil society groups and their local governments, thereby enabling a robust and strategic collective movement for action. ICLEI supports the development of enabling conditions for revitalized civic and social participation, through designing and implementing tailored approaches, within a multi-level governance and social justice framework, in order to deliver ambitious, well-supported, scalable and replicable climate solutions.

## ARCH - ADVANCING RESILIENCE OF HISTORIC AREAS AGAINST CLIMATE-RELATED AND OTHER HAZARDS

While negative impacts of climate-related and other hazards on urban areas are widely discussed, their impacts on historic areas have not been studied extensively enough. Disaster risk reduction and climate change adaptation for historic areas, with their unique structure, composition, and set of regulations, call for advanced technologies, methods and tools as well as the promotion of relevant public policies and participatory governance processes, including residents from local communities and the general public. The project ensures that results and deliverables are applicable and relevant by applying a co-creation process with local policy makers, practitioners, and community members. The results of the co-creation processes with the pilot cities will be disseminated to a broader circle of other European municipalities and practitioners.

### ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 13: Climate action*

### THEMES / FOCUS AREAS

*Climate  
Peer Learning and Knowledge  
Sharing  
Policy and advocacy*

### ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities*

### THEMES / FOCUS AREAS

*Buildings  
Infrastructure  
Resilience*

### PARTICIPATING LOCAL GOVERNMENTS

*4 local & regional governments  
in Europe*



# RESILIENT DEVELOPMENT



## EUROPEAN INNOVATION COUNCIL

SMEs and public procurers lack means to learn about each other, public procurers need to find new ways to voice their needs whilst supporting innovation. The EIC as a platform can support that match-making. ICLEI supports partnership building between the EIC Community members and public procurers interested in working with EIC SME's and manages the onboarding of private and public procurers interested in working with innovators on the EIC Community Platform. ICLEI motivates active participation in the EIC Community through stimulating business deals (market dialogue events, webinars etc.) and provides learning and networking opportunities for SMEs. ICLEI collects and analyses business data from the European innovation ecosystem and from the EIC beneficiaries to assess EIC beneficiaries needs and increase the impact of the program. ICLEI also ensures that EIC beneficiaries are provided with high-value opportunities to get access to Business Deals, Investments or Strategic Partnerships with Corporates and Procurers.

## MICAT- MULTIPLE IMPACTS CALCULATION TOOL

Energy efficiency is a relevant component in the process of achieving the long-term objective of climate neutrality by 2050. Unfortunately, facing the energy efficiency gap, its potential is not fully exploited. MICAT (Multiple Impacts of Energy Efficiency) explores and highlights the additional non-energy values of energy efficiency measures and investments, for example, economic, social and environmental impacts. It could help close this gap and facilitate better energy-relevant decisions and policy-making. The goal of MICAT is to develop a comprehensive approach to estimate these non-energy impacts of energy efficiency.

## ICLEI PATHWAYS



### SDGS

*Goal 9: Industry, innovation, and infrastructure | Goal 12: Responsible consumption and production*

### THEMES / FOCUS AREAS

*Procurement  
Private Sector Engagement (e.g. Public-Private Partnership)*

## ICLEI PATHWAYS



### SDGS

*Goal 7: Affordable and clean energy | Goal 13: Climate action*

### THEMES / FOCUS AREAS

*Data and Reporting  
Policy and advocacy  
Science-Based Research*

# RESILIENT DEVELOPMENT



## URBAN RESILIENCE PLANNING CYCLE AN ICLEI METHODOLOGY (POST-COVID EDITION 2020)

This ICLEI Urban Resilience Planning Cycle supports local governments, cities and communities to understand the major challenges, shocks and stresses which may impede secure, sustainable development and to develop strategies to build resilience to these challenges. ICLEI Oceania had drafted a first edition generic Urban Resilience Planning Cycle with special focus on preparing for and recovering from pandemics. This methodology was launched at Daring Cities 2020.

## CAF PROJECT - VULNERABILITY INDEX AND CLIMATE CHANGE ADAPTATION PLAN FOR THE CITY OF SÃO BERNARDO DO CAMPO

Through the project, ICLEI will support in the preparation of the Vulnerability Index and Climate Change Adaptation Plan for the city of Recife, which aims to identify and prioritize concrete measures to adapt to climate change in the city, based on the analysis vulnerability and climate risk, addressing the environmental, economic and social dimensions in a way that contributes to building the city's climate resilience in the face of dangers related to climate change. The project will take place through the city vulnerability analysis for climate change and the identification of priority areas of intervention with emphasis on priority intervention areas (hotspots).

### ICLEI PATHWAYS



### SDGS

Goal 11: Sustainable cities and communities

### THEMES / FOCUS AREAS

Resilience

### ICLEI PATHWAYS



### SDGS

Goal 9: Industry, innovation, and infrastructure | Goal 11: Sustainable cities and communities | Goal 13: Climate action | Goal 17: Partnerships for the goals

### THEMES / FOCUS AREAS

Climate

### PARTICIPATING LOCAL GOVERNMENTS

1 local government in Brazil



# RESILIENT DEVELOPMENT



## TECHNICAL TRAINING OF THE MUNICIPALITIES OF BAIXADA SANTISTA IN ADAPTING TO CLIMATE CHANGE IN WATER RESOURCES

Adaptation actions such as strategic management plans, infrastructure improvements and vulnerability reduction measures are increasingly needed as they represent necessary steps to respond to the risk situations that many cities are facing as a result of climate change. Through the project, ICLEI supports in the development of a technical training for Baixada Santista Municipalities for identifying vulnerabilities and developing adaptation measures to prevent the impacts of climate change on water resources. The overall objective of this project is to ensure that the target audience is trained on the issue with a focus on adaptation, in order to identify vulnerabilities, propose adaptation measures to prevent risks to water resources and to access financial resources for elaboration of plans, programs or projects for the implementation of adaptation actions in the Baixada Santista region.

## BUILDING ADAPTIVE AND RESILIENT CITIES PROGRAM

ICLEI builds the capacity of local governments to adapt to climate change and increase their resilience through suite of solutions including planning tools, vulnerability and risk assessment resources, stakeholder consultation workshops and peer and partner networking opportunities.

## GET READY: THE GAME OF HOME HAZARD PREPAREDNESS

ICLEI created a mobile app to educate homeowners and residents about the impacts of natural hazards and extreme weather, and how people can prepare for these events in their home.

### ICLEI PATHWAYS



### SDGS

*Goal 6: Clean water and sanitation | Goal 11: Sustainable cities and communities | Goal 13: Climate action | Goal 14: Life below water | Goal 17: Partnerships for the goals*

### THEMES / FOCUS AREAS

*Climate  
Water*

### ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 13: Climate action*

### PARTICIPATING LOCAL GOVERNMENTS

*23 local & regional governments in Canada*

### ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 13: Climate action*

# RESILIENT DEVELOPMENT



## PACIFIC RESILIENCE HONIARA

The Pacific islands are very vulnerable to the impacts of climate change and natural disasters. While they are mostly classified “least developed,” towns and cities on many Pacific island countries are growing rapidly and experiencing many of the urban development challenges typical of larger cities. At the same time, the capacity of the governments, national and local, for resilience planning and action is very limited, with few natural resources and little opportunity to generate revenue. Additionally, governance of the urban areas is sometimes relatively under-developed, with a blurring of responsibilities between national and local. ICLEI supports the island cities by providing streamlined processes for assessing their risks and challenges and developing achievable action plans. ICLEI has been working with Honiara City Council since 2016 to assist the City to undertake a disaster risk self assessment and action, using the Sendai Framework and scorecards, building capacity and supporting city leaders and staff to attend international events for peer-to-peer exchange and learning. In 2019 ICLEI received a grant from the Australian Government to assist the City Council to extend its disaster management to five of the most vulnerable villages. There is now a strong understanding of disaster risk reduction among City staff and elected councilors, and an understanding of how disasters and climate change impact all the city development challenges. The ongoing project has led to strong partnerships between ICLEI, UNISDR, UN Habitat and academic professionals and institutions.

## ICLEI PATHWAYS



### SDGS

*Goal 5: Gender equality | Goal 6: Clean water and sanitation | Goal 11: Sustainable cities and communities | Goal 13: Climate action | Goal 14: Life below water*

## THEMES / FOCUS AREAS

*Resilience  
Water  
Transport and mobility*

## PARTICIPATING LOCAL GOVERNMENTS

*1 local government in the Solomon Islands*



# RESILIENT DEVELOPMENT



## CLIMATE VULNERABILITY ASSESSMENT

With natural disasters becoming more commonplace and devastating, it is clear that climate change is impacting the lives and livelihoods of people. In response to this climate emergency, local governments are conducting assessments to understand where, when, and how to act to reduce risk in their communities. Using climate science and modeling and input from local governments staff and community members, the Vulnerability Assessment seeks to identify the most prevalent local climate hazards, susceptible community systems, and opportunities to mitigate and adapt to these conditions.

## TEMPERATE

Temperate is the next-generation, cloud-based adaptation planning software tool for cities and regional organizations, designed to support leaders in local government sustainability planning. With Temperate, ICLEI aims to guide users through exploring potential future climate hazards, creating a vulnerability assessment, and designing adaptation strategies that will help communities along the path toward climate resilience.

## ICLEI PATHWAYS



### SDGS

*Goal 3: Good health and well-being | Goal 7: Affordable and clean energy | Goal 8: Decent work and economic growth | Goal 9: Industry, innovation, and infrastructure | Goal 10: Reduced inequalities | Goal 13: Climate action*

## THEMES / FOCUS AREAS

*Resilience  
Climate  
Science-Policy Interface*

## ICLEI PATHWAYS



### SDGS

*Goal 3: Good health and well-being | Goal 10: Reduced inequalities | Goal 11: Sustainable cities and communities*

# RESILIENT DEVELOPMENT



## FORTITUDE INITIATIVE

The Fortitude Initiative builds climate resilience at the local level by supporting towns, cities, municipalities and regions to strengthen their disaster risk reduction strategies and action plans, and enhance their implementation. By first assessing local needs, ICLEI creates space to co-develop and co-produce relevant solutions and mobilize resources to improve future disaster response. Fortitude focuses on supporting local government through five main building blocks: 1) Advocacy - to reshape the global disaster risk reduction landscape to ensure cities and subnational governments are recognized, capacitated, engaged and able to mobilize resources in the face of more frequent and intense climate shocks; 2) Networking - enables engagement across government tiers and between local governments facing similar challenges, with a spirit of openness, honesty, and inclusivity, allowing the space for context-relevant solutions to emerge; 3) Technical - assist local governments to develop disaster risk reduction action plans and preparedness mechanisms, risk and vulnerability assessments and adaptation plans; 4) Finance - empower subnational governments to access, mobilize and use new and existing resources from local budgets and national and international funds, both from public and private sources; and 5) Implementation - identify and strengthen the mechanisms, approaches and competencies needed to implement a holistic and integrated disaster risk reduction strategy that builds local level resilience.

## ICLEI PATHWAYS



## SDGS

*Goal 1: No poverty | Goal 6: Clean water and sanitation | Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production | Goal 16: Peace, justice and strong institutions | Goal 17: Partnerships for the goals*

## THEMES / FOCUS AREAS

*Climate  
Resilience  
Finance*



# EQUITABLE AND PEOPLE-CENTERED DEVELOPMENT



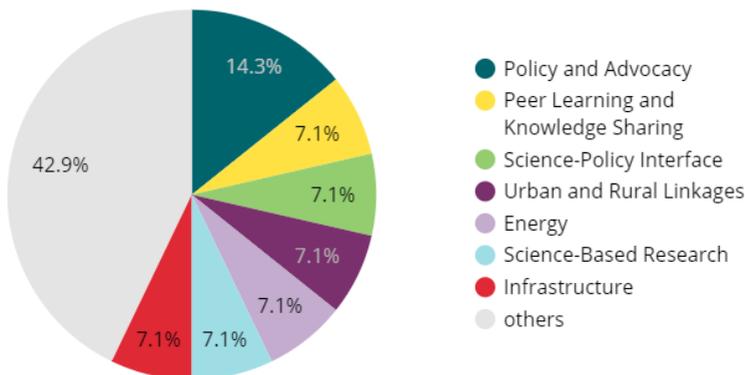
**23** EQUITABLE AND PEOPLE-CENTERED DEVELOPMENT ACTIVITIES ONGOING

MORE THAN **600** CITIES, TOWNS AND REGIONS INVOLVED

**31** COUNTRIES INVOLVED

Equitable and people-centered development builds just, livable, happy and inclusive urban communities, addresses the systemic causes of poverty and inequality, and safeguards the natural support systems for human life. Equitable and people-centered development ensures that the natural and built environments in and around cities improve livability and safety, promote human health, and mitigate the transmission of diseases. It provides equitable access to safe and nutritious food, quality education, clean water and sanitation, sustainable energy, clean air and productive soil for all, and climate-resilient infrastructures, and creates and sustains human-centered, safe, resilient, socially and culturally vibrant communities, where diversity, distinct identities, and solidarity are woven into the social fabric.

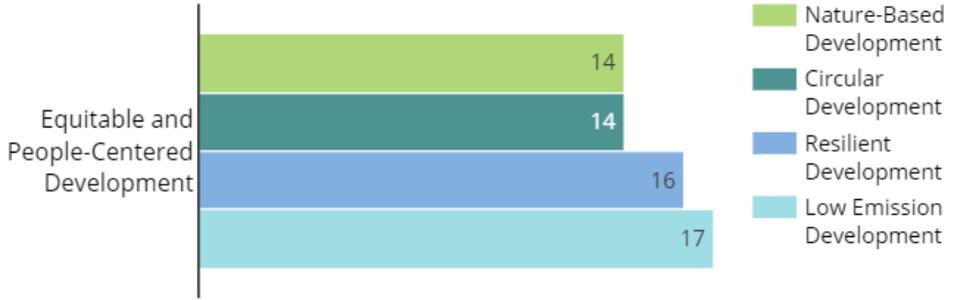
## EQUITABLE AND PEOPLE-CENTERED DEVELOPMENT ACTIVITIES BY THEME



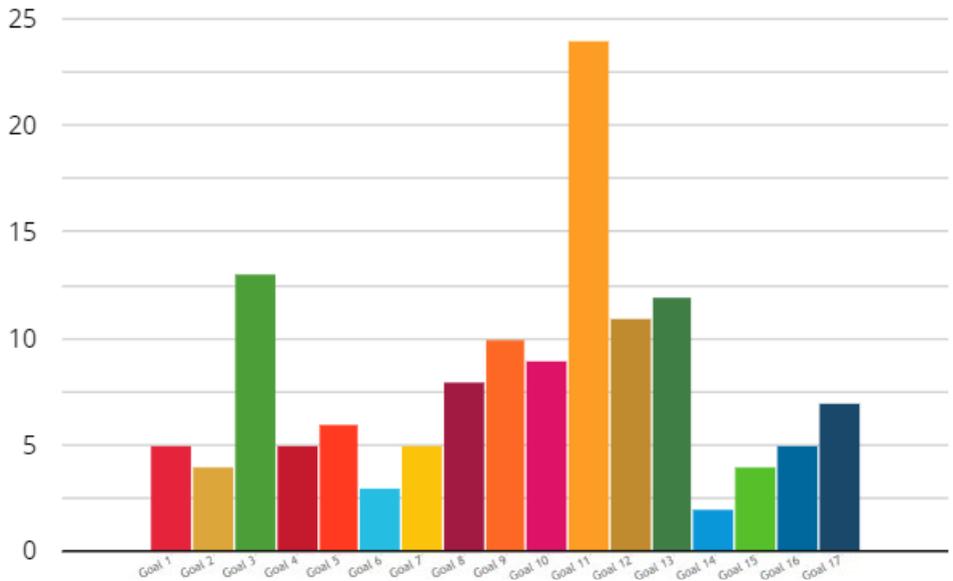
# EQUITABLE AND PEOPLE-CENTERED DEVELOPMENT



## RELATED PATHWAYS OF EQUITABLE AND PEOPLE-CENTERED DEVELOPMENT



## EQUITABLE AND PEOPLE-CENTERED DEVELOPMENT ACTIVITIES BY SDGS



# EQUITABLE AND PEOPLE-CENTERED DEVELOPMENT



## INTERNATIONAL URBAN COOPERATION

Cities are growing and changing so fast that many authorities are struggling to cope. ICLEI's aim is to boost sustainable urban development, through city-to-city International Urban Cooperation (IUC) on and foster sub-national actions under the Global Covenant of Mayors initiative. ICLEI supports regional innovation strategies and inter-regional cooperation for local and regional development.

## ICLEI PATHWAYS



## SDGS

*Low emission development | Nature-based development | Circular development | Resilient development | Equitable and people-centered development*  
Goal 1: No poverty | Goal 2: Zero hunger | Goal 3: Good health and well-being | Goal 4: Quality education | Goal 5: Gender equality | Goal 6: Clean water and sanitation | Goal 7: Affordable and clean energy | Goal 8: Decent work and economic growth | Goal 9: Industry, innovation, and infrastructure | Goal 10: Reduced inequalities | Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production | Goal 13: Climate action | Goal 14: Life below water | Goal 15: Life on land | Goal 16: Peace, justice and strong institutions | Goal 17: Partnerships for the goals

## PARTICIPATING LOCAL GOVERNMENTS

*More than 100 local & regional governments worldwide*

# EQUITABLE AND PEOPLE-CENTERED DEVELOPMENT



## URBAN TRANSITIONS ALLIANCE

The Urban Transition Alliance connects industrial legacy cities from Europe, USA and China committed to accelerate ambitious and inclusive transitions, as well as showcasing their sustainability leadership. Alliance cities share their own transition experiences, knowledge and good practices based on social, economic and environmental challenges within their unique industrial legacy context. Through a tailored exchange platform hosted by ICLEI, the Alliance helps cities to identify and leverage expertise to co-create implementation strategies for sustainability-related projects. During the current project phase, the ICLEI further encourages the Alliance member cities to include an equity-based approach in their transition projects, not only to achieve climate and environmental targets, but also to provide opportunities to vulnerable and disadvantaged groups. Alliance cities receive support on key equity-focused sustainability issues through two challenge cycles in 2020 and 2021 with 4-5 challenge topics selected per round. The outcomes of these challenge support cycles will shape a blueprint of lessons and good practices for cities worldwide on how social equity and climate action can reinforce each other.

## ICLEI PATHWAYS



## SDGS

*Goal 1: No poverty | Goal 3: Good health and well-being | Goal 4: Quality education | Goal 7: Affordable and clean energy | Goal 8: Decent work and economic growth | Goal 9: Industry, innovation, and infrastructure | Goal 10: Reduced inequalities | Goal 11: Sustainable cities and communities | Goal 13: Climate action | Goal 17: Partnerships for the goals*

## THEMES / FOCUS AREAS

*Peer Learning and Knowledge Sharing  
Infrastructure  
Climate*

## PARTICIPATING LOCAL GOVERNMENTS

*12 local & regional governments worldwide*



# EQUITABLE AND PEOPLE-CENTERED DEVELOPMENT



## ADVOCACY PARTNERSHIP WITH FAO

Local and regional governments can have a tremendous impact on city-region food systems, yet many decision makers are unaware of the leverage subnational governments have over their food systems. ICLEI highlights the role local and regional governments can play in improving sustainable and resilient food systems to raise awareness among key stakeholders and partners. ICLEI develops knowledge materials to advance understanding of, and to advocate for, sustainable food systems while promoting local government's actions on this field.

## ECOMOBILITY WORLD FESTIVAL

ICLEI stimulates new mobility policies which put people rather than cars at the center, by organizing EcoMobility World Festivals that turn a single neighborhood into an ecomobile, car-free zone for one month, coinciding with a global congress that sparks debate on low emission, human centered and city friendly mobility.

## CITY-TO-CITY FOOD SYSTEMS EXCHANGE

ICLEI works in collaboration with FAO, ICLEI, RUAF and C40 to collectively promote and support subnational take-up and engagement regarding food policy and action in African cities, in line with global targets and ambitions articulated in SDG 2 and through initiatives such as the Milan Food Pact. This collaboration is also intended to build on the existing ICLEI-RUAF CITYFOOD Network and related initiatives of all the partners in Africa.

## ICLEI PATHWAYS



### SDGS

*Goal 2: Zero hunger | Goal 3: Good health and well-being | Goal 5: Gender equality | Goal 8: Decent work and economic growth | Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production | Goal 13: Climate action | Goal 16: Peace, justice and strong institutions*

## ICLEI PATHWAYS



### SDGS

*Goal 3: Good health and well-being | Goal 11: Sustainable cities and communities | Goal 13: Climate action*

## ICLEI PATHWAYS



### SDGS

*Goal 2: Zero hunger | Goal 3: Good health and well-being | Goal 11: Sustainable cities and communities | Goal 17: Partnerships for the goals*

## PARTICIPATING LOCAL GOVERNMENTS

*8 local & regional governments in Africa*

# EQUITABLE AND PEOPLE-CENTERED DEVELOPMENT



## CULTURAL HERITAGE AND CLIMATE RISK NARRATIVES

Innovative research has been undertaken by ICLEI in Blantyre, Gaborone and Harare to enhance understanding of the influence of people's perceptions and values during their interpretation of climate risk narratives.

## AFRICAN CAPITAL CITIES SUSTAINABILITY FORUM

The African Capital Cities Sustainability Forum (ACCSF) draws together the political and technical leaders of the continent's capital cities to provide a guiding light for how African cities must think about the future and lead sustainability efforts. It facilitates the exchange of knowledge and learning and provides a platform for exploring how to develop truly African solutions to African problems. The forum marshals the collective power of capital cities to contribute to, and influence, the pan-African and global discourse on sustainability. ICLEI Africa, as the Secretariat of the ACCSF, is responsible for serving the Mayors and cities of this forum. By bringing together mayors and city managers of African capital cities, ICLEI facilitates the exchange of knowledge and information on potential interventions, opportunities and threats that influence the potential for economic growth, social inclusion and environmental protection.

## ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 13: Climate action*

## PARTICIPATING LOCAL GOVERNMENTS

*3 local & regional governments in Africa*

## ICLEI PATHWAYS



### SDGS

*Goal 1: No poverty | Goal 2: Zero hunger | Goal 3: Good health and well-being | Goal 4: Quality education | Goal 5: Gender equality | Goal 6: Clean water and sanitation | Goal 7: Affordable and clean energy | Goal 8: Decent work and economic growth | Goal 9: Industry, innovation, and infrastructure | Goal 10: Reduced inequalities | Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production | Goal 13: Climate action | Goal 14: Life below water | Goal 15: Life on land | Goal 16: Peace, justice and strong institutions | Goal 17: Partnerships for the goals*

## THEMES / FOCUS AREAS

*Policy and advocacy  
Peer Learning and Knowledge Sharing*



# EQUITABLE AND PEOPLE-CENTERED DEVELOPMENT



## AFRICAN MOBILITY MONTH

In order for national and local governments to better appreciate the need for safe walking and cycling facilities, Africa's urban citizens need to challenge the widely held assumption that they all wish to drive cars by showing their support for walking and cycling. Various local initiatives around the continent (such as car-free days, place making, Open Streets, Critical Mass etc.) are inspiring citizens to reimagine and reinvent their streets to be accessible for all. African Mobility Month aims to celebrate these and other activities to raise the priority of walking and cycling in the continent's development agenda.

## BASQUE DECLARATION

The Basque Declaration outlines new pathways for European Cities and Towns to create productive, sustainable and resilient cities for a livable and inclusive Europe. The declaration aims to support and accelerate socio-cultural, socio-economic and technological transformation. ICLEI initiated and continues to promote the uptake of the Basque Declaration, which was adopted by the participants of the 8th European Conference on Sustainable Cities and Towns in April 2016.

## PROMOTING SMART CITIES THROUGH LIGHTHOUSE DEMONSTRATION PROJECTS

In a rapidly urbanizing world, cities need to become smarter to respond to citizen needs and to reduce their environmental footprint. ICLEI is shaping the Smart City debate in Europe through the Lighthouse demonstration projects (such as GrowSmarter and RUGGEDISED), lead replication and exploitation efforts in more than 50 cities and constructively reflect upon the impact of smart solutions on achieving social cohesion and urban environmental goals.

## ICLEI PATHWAYS



### SDGS

*Goal 3: Good health and well-being | Goal 5: Gender equality | Goal 10: Reduced inequalities | Goal 11: Sustainable cities and communities | Goal 13: Climate action | Goal 17: Partnerships for the goals*

## THEMES / FOCUS AREAS

*Transport and mobility  
Policy and advocacy  
Health*

## ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities | Goal 13: Climate action*

## PARTICIPATING LOCAL GOVERNMENTS

*More than 500 local & regional governments in Europe*

## ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities*

## PARTICIPATING LOCAL GOVERNMENTS

*50 local & regional governments in Europe*

# EQUITABLE AND PEOPLE-CENTERED DEVELOPMENT



## TRANSITION ACADEMY

ICLEI aims to increase the capacity of change makers, civil society and organizations to contribute to more just, sustainable and resilient futures. ICLEI offers academic and professional education on the theory and practice of transformative societal change, by facilitating peer-to-peer learning processes between 15 front-runner cities and twice as many other cities within Europe.

## ROBUST - RURAL-URBAN OUTLOOKS: UNLOCKING SYNERGIES

Mutually beneficial relations along rural – peri-urban – urban trajectories can contribute to Europe's smart, sustainable and inclusive growth agenda. Success in creating synergies is determined by decisions made at local and regional levels. Well-designed governance arrangements can be conducive to decisions that strengthen relations between rural and urban areas. Central to ROBUST is a place-based case study approach in which Living Labs focus on thematic functional linkages cutting across rural-urban areas. The content and governance of these functional linkages are analyzed in diverse case study areas that represent the main types of rural – peri-urban – urban settings across Europe. ICLEI coordinates the work on a comprehensive Outreach, Communication and Training Strategy.

## ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities*

## PARTICIPATING LOCAL GOVERNMENTS

*More than 30 local & regional governments in Europe*

## ICLEI PATHWAYS



### SDGS

*Goal 9: Industry, innovation, and infrastructure | Goal 10: Reduced inequalities | Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production*

## THEMES / FOCUS AREAS

*Urban and Rural Linkages  
Science-Policy Interface  
Peer Learning and Knowledge Sharing*

## PARTICIPATING LOCAL GOVERNMENTS

*10 local & regional governments in Europe*



# EQUITABLE AND PEOPLE-CENTERED DEVELOPMENT



## BE.CULTOUR – BEYOND CULTURAL TOURISM: HUMAN-CENTRED INNOVATIONS FOR SUSTAINABLE AND CIRCULAR TOURISM

Be.CULTOUR stands for “Beyond Cultural Tourism” and aims to develop human-centred innovations for sustainable and circular cultural tourism. Cultural tourism entails opportunities but also risks. If not managed properly, it can easily turn into a “value extractive” industry, generating negative environmental, social and cultural impacts on local communities and ecosystems. This project develops specific strategies to promote an understanding of cultural tourism, which moves away from a “stop-and-go” consumer-oriented approach towards one that puts humans and circular economy models at its centre, paying attention to nature, communities and cultural diversity. “Place”, intended as the genius loci, the ancient spirit of the site and “people” as co-creators of its uniqueness, culture, art, tradition, folklore, productivity, spirituality, are the focus of Be.CULTOUR. The driving forces of the project are wide and diversified partnerships of stakeholders from 18 EU and non-EU regions of Northern-Central and Southern Europe, the Balkans, the Eastern neighborhood and the Mediterranean.

## ICLEI PATHWAYS



## SDGS

*Goal 3: Good health and well-being | Goal 6: Clean water and sanitation | Goal 8: Decent work and economic growth | Goal 9: Industry, innovation, and infrastructure | Goal 11: Sustainable cities and communities | Goal 13: Climate action | Goal 14: Life below water | Goal 15: Life on land*

## THEMES / FOCUS AREAS

*Peer Learning and Knowledge Sharing  
Infrastructure  
Resilience*

# EQUITABLE AND PEOPLE-CENTERED DEVELOPMENT



## EUROPEAN CONFERENCE ON SUSTAINABLE CITIES AND TOWNS SERIES

For the last 25 years, the European Conference on Sustainable Cities and Towns has offered cities and urban stakeholders a platform for inspiration, action and the commitment to take sustainability to the next level. The conferences call for the acceleration of bottom-up action and change, to ultimately push and accelerate the ambition of global frameworks for sustainability and climate change. Held every three years, the conference is the multi-level interface between the European Union and sustainability action at local level. Bringing to the forefront ongoing trends, challenges and opportunities, the conference aims to shape the future beyond the status quo. Over the years the conference series has resulted in thought leading political documents that move frameworks and agendas as well as provide guidance and tools for cities driving sustainability for the benefit of their citizens.

## ICT RESEARCH, CAMPAIGNING, CAPACITY BUILDING AND ADVOCACY

ICLEI works to make ICT Fair improving the lives of workers and those impacted along different stages of the Information and Communication Technology (ICT) supply chain through research, campaigning, capacity building and advocacy.

## INFORMED CITIES

Drawing on various research projects, ICLEI aims to make research work for local sustainability at the European level. ICLEI works to bridge the gap between research, policy-making and action in sustainable development, at and for the local level. ICLEI organizes knowledge brokerage between local governments and other stakeholder groups such as researchers, civil society initiatives, start-ups etc.

## ICLEI PATHWAYS



### SDGS

*Goal 3: Good health and well-being | Goal 6: Clean water and sanitation | Goal 7: Affordable and clean energy | Goal 8: Decent work and economic growth | Goal 9: Industry, innovation, and infrastructure | Goal 10: Reduced inequalities | Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production | Goal 13: Climate action | Goal 16: Peace, justice and strong institutions | Goal 17: Partnerships for the goals*

## THEMES / FOCUS AREAS

*Finance  
Energy  
Transport and mobility*

## ICLEI PATHWAYS



### SDGS

*Goal 9: Industry, innovation, and infrastructure | Goal 11: Sustainable cities and communities*

## ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities*



# EQUITABLE AND PEOPLE-CENTERED DEVELOPMENT



## THE INTERNATIONAL WORKING GROUP ON ETHICS IN PUBLIC PROCUREMENT FOR IT

The Belgian Federal Institute for Sustainable Development (FISD) works together with ICLEI to support public buyers to help create better working conditions and protect the rights of workers and communities through ethical purchasing practices. Over the course of 2021, public procurers and policymakers come together to draw from existing practices, to share ideas on how others can start and to identify gaps of knowledge, guidance and effective criteria or clauses.

## UPLIFT - URBAN POLICY INNOVATION TO ADDRESS INEQUALITY WITH AND FOR FUTURE GENERATIONS

UPLIFT seeks to establish an innovative approach to urban policy design for reducing socio-economic inequalities. It acknowledges that policies aiming to reduce inequalities are often ineffective, as they do not respond properly to the strategies and behaviours of vulnerable households. At the same time, policy failure in the face of increasing socio-economic polarisation, especially in the post-crisis period and under the fourth industrial revolution, could further destabilise social cohesion and resilience. To address this challenge, UPLIFT aims to develop a Reflexive Policy Agenda through participatory co-creation: with the inclusion of vulnerable policy beneficiaries, the project will yield context-specific, flexible, adaptable policies, with appropriate feedback mechanisms.

## ICLEI PATHWAYS



## SDGS

*Goal 1: No poverty | Goal 3: Good health and well-being | Goal 10: Reduced inequalities | Goal 12: Responsible consumption and production*

## THEMES / FOCUS AREAS

*ICT (Information and Communication Technologies)*

## ICLEI PATHWAYS



## SDGS

*Goal 1: No poverty | Goal 3: Good health and well-being | Goal 4: Quality education | Goal 10: Reduced inequalities*

## THEMES / FOCUS AREAS

*Policy and advocacy  
Science-Based Research*

# EQUITABLE AND PEOPLE-CENTERED DEVELOPMENT



## CLIMATE COMMUNICATORS (FORMERLY YOUNG WRITERS NETWORK)

ICLEI has established a team of volunteers including students and professionals from sustainability consulting and local government in the Oceania region. The Climate Communicators Program facilitates deep dives into all aspects of what it takes to be effective, memorable and compelling communicators on climate and sustainability. Sharing evidence-based knowledge in credible and persuasive ways is paramount to the health of a mindful and engaged society, and is a prerequisite for sustainable development at all levels of government. Through capacity building, online resources and social networking events in partnership with other sustainability groups in Melbourne, Australia, ICLEI is assisting students and professionals to turn their sustainability research into practice using the power of language and stories. Activities include direction consultations with students, academics, sustainability professionals and developing a podcast "Talking In This Climate" available from November 2020.

## SUSTAINABLE DEVELOPMENT FOR LOCAL GOVERNMENTS IN CHINESE TAIPEI

ICLEI works with local governments in Chinese Taipei to raise the awareness of SDGs through particularly SDG 11 - sustainable cities and communities -, and provide capacity building on policies of sustainable and healthy cities.

## HERITAGE CITY DEVELOPMENT & AUGMENTATION YOJANA

ICLEI supports the Indian national government in implementing the National Heritage City Development and Augmentation Yojana Scheme in order to bring together urban planning, economic growth and heritage conservation.

## ICLEI PATHWAYS



### SDGS

*Goal 3: Good health and well-being | Goal 4: Quality education | Goal 5: Gender equality | Goal 10: Reduced inequalities | Goal 11: Sustainable cities and communities | Goal 12: Responsible consumption and production | Goal 13: Climate action | Goal 16: Peace, justice and strong institutions | Goal 17: Partnerships for the goals*

## THEMES / FOCUS AREAS

*Science-Policy Interface  
Science-Based Research  
Climate*

## ICLEI PATHWAYS



### SDGS

*Goal 3: Good health and well-being | Goal 11: Sustainable cities and communities | Goal 13: Climate action*

## ICLEI PATHWAYS



### SDGS

*Goal 11: Sustainable cities and communities*



# EQUITABLE AND PEOPLE-CENTERED DEVELOPMENT



## SUPPORTING CITIES TO ACHIEVE CLIMATE AND PEOPLE FRIENDLY MOBILITY

ICLEI is bringing global practices to Indian cities and providing greater access to technical expertise, knowledge exchange and materialise climate and people-friendly mobility in cities.

## KOREA FESTIVAL ON SUSTAINABLE DEVELOPMENT

Korean local governments and civil society have been cooperatively implementing Local Agenda 21 since the adoption of Agenda 21 in 1992. There have been needs of collecting all the efforts for sustainable development taking place locally and sharing the experiences. This is how the festival has been initiated in 1999 at its first event in Jeju. Since 2019 ICLEI Korea Office and Local Sustainability Alliance of Korea (LSAK) co-host the festival and closely cooperating in designing the national and local festivals in the global context. The festival is the unique and the biggest affair where national-regional-local governments and all the civic groups working in line with sustainable development gathers in the festival and share their voices and experience.

## ICLEI PATHWAYS



## SDGS

*Goal 11: Sustainable cities and communities*

## ICLEI PATHWAYS



## SDGS

*Goal 11: Sustainable cities and communities*

## THEMES / FOCUS AREAS

*Climate  
Ecosystems and Biodiversity  
(Nature-based Solutions)  
Transport and mobility*

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Local Governments  
for Sustainability

