

CLIMATE NEUTRALITY CONCEPT AND SCIENCE BASED TARGETS IN SUPPORT OF THE RACE TO NET ZERO

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ICLEI's FIVE PATHWAYS TOWARDS SUSTAINABLE DEVELOPMENT



LOW EMISSION
DEVELOPMENT



NATURE-BASED
DEVELOPMENT



EQUITABLE
AND PEOPLE-
CENTERED
DEVELOPMENT



RESILIENT
DEVELOPMENT



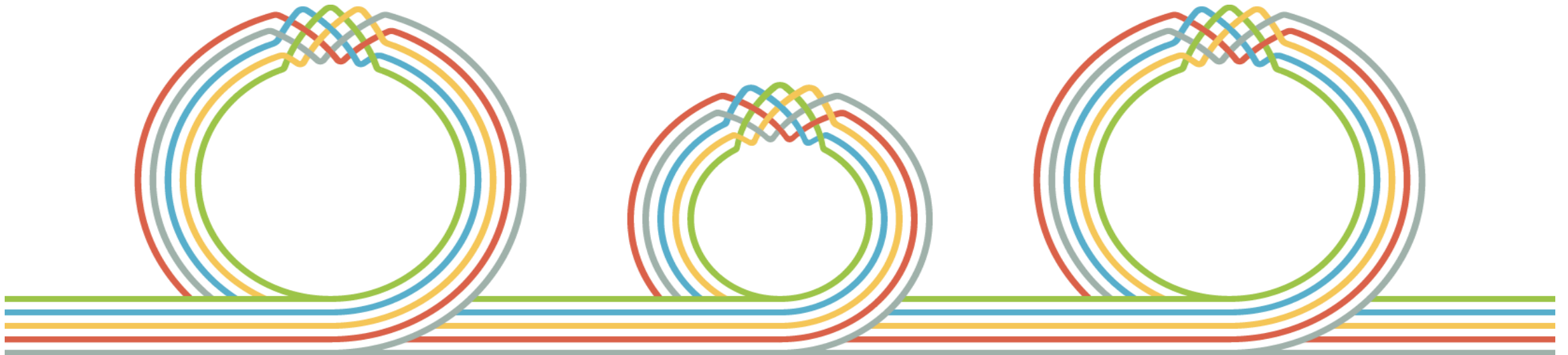
CIRCULAR
DEVELOPMENT

FIVE ICLEI PATHWAYS - designed to create **SYSTEMIC CHANGE**.

These are a framework for designing **INTEGRATED SOLUTIONS** that balance patterns of human life and the built and natural environments.

The pathways encourage **HOLISTIC THINKING** to ensure that ICLEI optimizes our impact.

BEYOND A SINGLE CITY



Urban systems are part of a broader **CITY-REGION TERRITORY**.
Local and regional governments and their urban systems are **INTERCONNECTED**.
We address city-to-city and rural-urban linkages to create a **MULTIPLIER EFFECT**.

ICLEI VISION FOR CLIMATE NEUTRALITY TOWARDS DARING CITIES 2020



1. Drastically reduce GHGs (*vision: science-based targets / striving to net zero / consumption based approach*) accounted for by sources and removals in all sectors, both in governmental operations and across their whole territory (city/region-wide).
2. Identify where investments have been made and divest / mobile divestment from fossil fuels, re-investing these funds in climate and energy action (e.g. energy efficiency / renewable energy / carbon sequestration projects) with measurable impact (e.g. transforming towards 100% renewable energy supply).
3. Offset/compensate any GHG emissions that cannot immediately be reduced or avoided, through carbon off-setting mechanisms (UN recognized and voluntary) and/or donations to climate funds (start with governmental operations, and upscaling to progressively reduce 100% of community emissions).
4. Adapt to a changing climate and its impacts, and enhance climate resilience across all sectors, systems and procedures.

Complementarity

- **Response to Climate Emergency** = Ambitious community mobilization through political commitment,
- **Daring Cities Approach** i.e. Know (Science-Based Commitments) + Act (Integrated/Holistic Planning) + Lead (Multilevel, Multi-stakeholder, Collaborative Action)

CLIMATE NEUTRALITY BY 2050

PILLAR 1: Reduce GHG Emissions

Achieve low or net-zero emissions through 100 percent renewable energy and other strategies, beginning in government operations and infrastructure with the aim to scale up to the community scale.



PILLAR 2: Divest and Invest

Divest from fossil fuels and unsustainable practices, freeing up resources for sustainable investments.



Invest in ambitious mitigation and adaptation actions, actively implementing sustainable public procurement and other strategies not always considered in climate planning.



PILLAR 3: Offset / Compensate

Offset any emissions that cannot be further reduced or avoided, ideally through UN recognized mechanisms such as purchasing credits and donation to funds which support integrated, sustainable urban and territorial development. These offsetting opportunities may also be local and voluntary.



PILLAR 4: Adapt and enhance resilience in all sectors, systems and processes – use systems thinking



GreenClimateCities
towards climate neutrality



ICLEI's GreenClimateCities Program:

- Comprehensive process methodology – integrated climate action
- Step-by-step guidance
- A monitoring system to track progress

Embedding a climate change lens in all activities

- governmental / own operations
- city / community-wide

including **budget** and **planning across all sectors**

ICLEI'S PIONEERS OF CLIMATE AMBITION 2019

Front-runner local and regional governments in climate ambition.



367 CITIES AND REGIONS AROUND THE WORLD HAVE COMMITTED TO ONE OR MORE FORMS OF AMBITIOUS CLIMATE ACTION, INCLUDING DECLARING CLIMATE EMERGENCY, ADOPTING CARBON NEUTRALITY TARGET, DIVESTING FROM FOSSIL FUELS AND TRANSFORMING TO 100% RENEWABLE ENERGY.
To view the entire list, visit: <https://talkofthecities.iclei.org/pioneersofambition/>

>169
COMMITTED TO
100% RENEWABLES

such as: Chandigarh, IND
Freiburg, DE
Shenzen, CHN
Nagano Prefecture, JPN
Tshwane, SA
Vancouver, CAN

>115
DECLARED CLIMATE
EMERGENCY

such as: Darebin, AUS
Glasgow, UK
Montreal, CAN
Recife, BRA



> 160
COMMITTED TO
CLIMATE / CARBON
NEUTRALITY

such as: Barcelona, ES
Bonn, DE
Melbourne, AUS
Pittsburgh, USA
Turku, FIN
Tokyo, JPN

>47
COMMITTED TO
FOSSIL FUEL DIVEST

such as: Dunedin, NZ
Cape Town, SA
Malmö, SWE
New York City, USA

Announced COP25 in Madrid in 2019:

Climate/carbon neutrality list included in COP25 Climate Ambition Alliance

Increased to 659 cities / regions at launch of UNFCCC Race-To-Zero (5 June 2020)

New:

- 200+ Korean cities declaring climate emergency
- 65+ Korean cities committed to net zero one month later
- 63 Japanese cities and prefectures

SCIENCE-BASED TARGETS FOR CITIES

- ICLEI, WRI, C40, CDP, WWF and GCoM are part of the Science Based Targets group for Cities.
- Main task is to review available methodologies for setting SBTs for Cities.
 - Including: Deadline 2020, Scatter and OPCC methodology.
- Set cross-cutting criteria.
- Define most suitable methodology according to city typology.



Race to Zero – Starting Line Criteria

Pledge: Pledge at the head-of-organization level to reach (net)-zero in the 2040s or sooner, or by midcentury at the latest, in line with global efforts to limit warming to 1.5C.

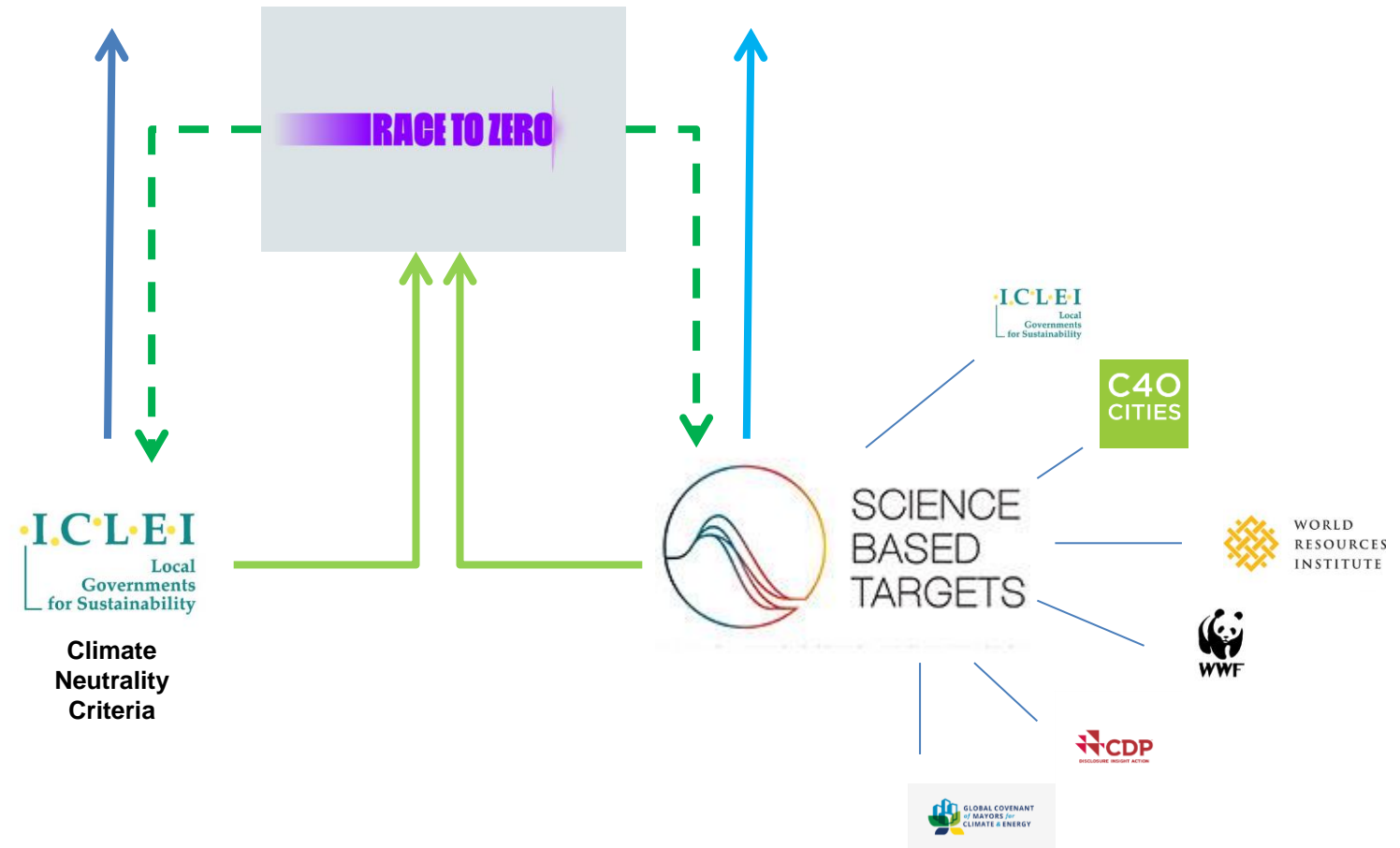
Plan: In advance of COP26, explain what steps will be taken toward achieving net zero, especially in the short- to medium-term. Set an interim target to achieve in the next decade, which reflects a fair share of the 50% global reduction in CO₂ by 2030 identified in the IPCC Special Report on Global Warming of 1.5C

Proceed: Take immediate action toward achieving net zero, consistent with delivering interim targets specified.

Publish: Commit to report progress at least annually, including via, to the extent possible, platforms that feed into the UNFCCC [Global Climate Action Portal](#)

PARALLEL & ALIGNED WORK

- Criteria and requirements share a common approach between all three streams.
- ICLEI Climate Neutrality Framework outlines an integrated approach including Mitigation, Adaptation, Resilience and Finance.
- ICLEI contributes as a network of cities directly and as part of the SBTs group.
- SBT takes a more technical perspective based on existing methodologies.
- Upcoming toolbox to assist all types of cities in choosing a suitable methodology for their unique framework.
- Local governments will benefit from a shared consensus approach.





Thanks for your attention!

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