Catalyzing Sustainable Local Actions with Smart Solutions

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ICLEI is a world-leading association of over 1,700 cities in 124 countries, dedicated to promoting global sustainability through local action.
ICLEI around the world

260+ staff in 22 offices
Why we act

By 2050, two-thirds of the world’s population will be living cities

+100,000 per day

+ 1.5M people every week

16% over 65
Cities on the Globe

Cities is the origin of problems, but also the providers of solutions.

- 75% of Global Energy Consumption and GHG Emissions
- 80% of Global GDP
- 54% of the World’s Population
- 63% of the World’s Venture Capital Investment

Picture source: The Environmental Policy Paradox
The challenge is the “Sustainability”
A city is not sustainable, is not “Smart”

“Smartness” is a means to contribute to sustainable development and resilience.

source: http://linksviz.aqrashik.com/
ICLEI’s Vision: 5 Pathways

- Green Circular Cities Coalition
- EcoMobility
- Procura+ East Asia Network
- Urban Transitions Alliance
- Urban Climate Change Adaptation & Resilience
- Resilient Cities Asia-Pacific
- Asia LEDS Partnership
- Building Efficiency Accelerator
- East Asia Clean Air Cities
- Nature-based Solutions
- Eco-tourism City

Smart City?

Picture source: ICLEI East Asia Secretariat
ICLEI’s “Smart” City Approach

Urban Sustainability & Quality of Life

Efficiency

Innovation

Systems integration

New models for governance and economy

Alternatives: Nature-based, People-centered

IoT

Digitalization

Technology

Normative goal

Methodological approach

eg. Urban Nexus

Practical means
Catalyzing Smart City

**Smart Cities**
(Digitalization, Systems Efficiency, Innovation)

- Standardization & Indicators
- Project Partnership (Urban Transitions Alliance)
- Research
- Case Studies
- Events
- Guidelines

**City-Business Collaboration**

- CiBiX Solutions Gateway
- Procurement (SPP, GLCN)
- Matchmaking
- Events
- Research
- Guidelines

**City Finance**
(Transformative Actions Program)

- TAP Project Pipeline
- Services for Cities
- Capacity Building
- Partnerships
- Events
- Advocacy
Peer-Learning and Exchange

- Smart urban sustainability
- Overarching solutions
- Cross-cutting partnership
- Awareness raising

Renewable energy and energy efficiency (green building)
Resource efficiency and circular economy
Green infrastructure (nature-based solutions)
Climate smart (LED)
Human-centered (quality of life, aging)
Sustainable mobility
Public engagement
Sustainable procurement
Case study
Climate Smart Infrastructure/ Building

KaoHaus
Kaohsiung City, Taiwan
Case study
Sustainable Mobility

Share the Road
Pasig City, Philippines
Welcome to Safeswim

Check before you swim
Tirohia i mua i to kauhoe

Safeswim provides you with water quality forecasts and up-to-date information on risks to your health and safety at 84 beaches and 8 freshwater locations around Auckland. Safeswim is a joint initiative between Auckland Council, Watercare, Surf Lifesaving Northern Region and the Auckland Regional Public Health Service.

Long-term water quality alerts
Nga mataaratanga roa

We recommend you don’t swim at these spots:

- Cox’s Bay
- Moko Reefs
- Little Oneroa Lagoon
- Waihau Outlet
- Piha Lagoon
- North Piha Lagoon
An integrated approach to LED: support for local governments

GreenClimateCities (GCC)
Comprehensive “how to” methodology for climate mitigation action
www.iclei.org/gcc

Integrate and mainstream

carbonn® Climate Registry (cCR)
Global reporting platform for commitments, actions and performance
carbonn.org

Transparency

Solutions Gateway
Online platform with guidance on Low Emission Development options
www.solutions-gateway.org

Build capacity
Maximize results
An integrated approach to LED: support for local governments

**TAP**

**Transformative Actions Program (TAP)**
Strengthen local projects and improve access to finance
http://tap-potential.org/

**EcoMobility Alliance**
ICLEI's thematic community on sustainable mobility (peer-to-peer learning & joint activities).
http://www.iclei.org/

**GPP**

**Green Public Procurement**
Resource center, forum, conference series, training and consultancy
http://www.sustainable-procurement.org/

Enhance, finance, advocate
Sustainable mobility
Sustainable purchases and budget
ii. Partnership, City-Business Collaboration

Integrated LED approach
Eg. Urban Nexus

Rapid urbanization endangers the supply of water and sanitation systems, energy, food and land. The Urban Nexus Wheel examines 5 enabling factors to consider when applying the urban nexus approach.

The Urban Nexus concept is a guiding framework for implementing global development agendas at the local level.

60% of the world’s urban population lives in Asia-Pacific region, and by 2030 we need more food, more energy, and more water.
First launched in 2015 at COP21, 124 project applications from 41 countries.

Project-pipeline with combined investment need of US$ 9 billion.

TAP 2.0 launched in 2018 at GCAS.

Managed by ICLEI.

Growing pipeline—growing partnership.
Mission

- Enabling access to finance to scale up local climate action
- Accelerating low-to-no emission and climate-resilient development
- Supporting national ambitions through transformative local infrastructure projects
The four TAP pillars

**PIPELINE**
- Support submissions to the TAP pipeline
- Collect TAP applications
- Conduct early stage project screening: completeness check, basic quality assurance and evaluation of the transformative approach
- Provide feedback and recommendations for improvement
- Provide TAP seal of approval once criteria are met

**SERVICES**
Project support services with TAP partners, including:
- Facilitate connections to tailor-made services from TAP partners providing technical or financial support
  - Project financeability screening
  - Environmental and social maturity screening
  - Feasibility studies
  - Project Preparation Facilities
  - Guidance on design of sustainable and resilient infrastructure
- Support learning and knowledge exchange and offer capacity building opportunities
- Link to toolkits and guidance
- Provide coaching and mentoring

**PLATFORM**
- Present short TAP project profile online
- Connect to the more extensive online platform, with structured and unified information for investors and financiers
- Promote TAP partners and their role
- Share good practices and successful access to finance

**ADVOCACY**
- Inform LGMA constituency messaging by showing opportunities to scale up diverse, cross-sectoral climate action
  - Visibility at key events
  - Aggregation of TAP projects by country, sector, amount in USD bn
- Show subnational contributions to achieve Paris Agreement targets and Sustainable Development Goals
- Promote multilevel governance addressing effective access to finance
- Call for effective financing mechanisms for local action, and coordinate advocacy messaging with the GCoM and CCFLA
Smart cities are not only about technology but rather about an integrated definition of sustainable development strategies.

A balanced approach ensures that the adoption of smart solutions in cities is people-focused, benefits urban citizens and ultimately leads to a safe, inclusive and sustainable future.

Smart City Paradoxes

- Efficiency Increase vs Absolute Consumption
- Open data vs data management
What we do

Connecting Leaders

Accellerating Local Action

Providing Solutions
Connect with us!

@ICLEI
ICLEI World Secretariat
ICLEI
ICLEI Global
ICLEI-Local Governments for Sustainability
www.iclei.org

CityTalk
A blog by ICLEI

www.talkofthecities.iclei.org

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