ANNUAL REPORT
2021
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<td>Building Efficiency Accelerator</td>
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<td>German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety</td>
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<td>German Federal Ministry for Economic Cooperation and Development</td>
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<td>Climate Action Plan</td>
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<td>Cities Development Initiative for Asia</td>
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<td>Comprehensive Development Plan</td>
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<td>CDP</td>
<td>Comprehensive Development Plan</td>
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<td>CDRA</td>
<td>Climate and Disaster Risk Assessment</td>
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<td>Clean Energy Ministerial</td>
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<td>City Environment Management Office</td>
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<td>CENRO/ MENDO</td>
<td>City/Municipality Environment and Natural Resources Office</td>
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<td>Climate Field School</td>
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<td>Comprehensive Land Use Plan</td>
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<td>Conference of the Parties</td>
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<td>city resilience strategies</td>
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<td>Climate Risk and Vulnerability Assessment</td>
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<td>Department of Environment and Natural Resources</td>
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<td>GreenClimateCities</td>
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<td>GCoM</td>
<td>Global Covenant of Mayors for Climate &amp; Energy</td>
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<td>GEF</td>
<td>Global Environmental Facility</td>
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<td>Greenhouse Gas Inventory</td>
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<td>Deutsche Gesellschaft für Internationale Zusammenarbeit</td>
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<td>Global Protocol for Community-Scale Greenhouse Gas Emission Inventories</td>
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<td>ICLEI IO</td>
<td>ICLEI Indonesia Office</td>
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<td>ICLEI Southeast Asia Secretariat</td>
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<td>International Finance Corporation</td>
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<td>Institute for Global Environmental Strategies</td>
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<td>International Institute for Environment and Development</td>
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<td>International Climate Initiative</td>
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<td>Karachi Metropolitan Corporation</td>
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<tr>
<td>MOEJ</td>
<td>Ministry of Environment, Japan</td>
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<td>MONRE</td>
<td>Ministry of Natural Resources and Environment</td>
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<td>measurement, reporting, and verification</td>
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<td>One Planet City Challenge</td>
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<td>PDO</td>
<td>Planning and Development Office</td>
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<td>Philippine Green Building Initiative</td>
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<td>PIF</td>
<td>Project Identification Form</td>
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<td>PLLENR</td>
<td>Philippine League of Local Environment and Natural Resources Officers</td>
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<td>PSF</td>
<td>People's Survival Fund</td>
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<td>RCAP</td>
<td>Resilient Cities Asia-Pacific</td>
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<td>Renewable Energy</td>
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<td>SCAL</td>
<td>Supporting Cities to Achieve Low Emission Urban Pathways</td>
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<td>SDG</td>
<td>Sustainable Development Goal</td>
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<td>Sustainable Development Solutions Network</td>
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<td>SFU</td>
<td>San Fernando, La Union</td>
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<td>SMG</td>
<td>Seoul Metropolitan Government</td>
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<td>Solar PV</td>
<td>Solar Photovoltaic</td>
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<td>SURGE</td>
<td>Strengthening Urban Resilience for Growth with Equity</td>
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<td>TWG</td>
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<td>UNDP ROAP</td>
<td>UNDP Regional Office for Asia and the Pacific</td>
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<tr>
<td>Urban-LEDs/ULEDs</td>
<td>Urban Low Emission Development Strategies</td>
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<td>VA</td>
<td>Vulnerability assessment</td>
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<td>VIUP</td>
<td>Vietnam Institute for Urban and Rural Planning</td>
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<tr>
<td>WACS</td>
<td>Waste Analysis and Characterization Study</td>
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<td>WLC</td>
<td>We Love Cities</td>
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<td>WNT</td>
<td>West Nusa Tenggara</td>
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<td>WWF</td>
<td>World Wide Fund for Nature</td>
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<td>YIFD</td>
<td>Local Government for Nature Innovation Foundation</td>
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<td>YSEA</td>
<td>Young Southeast Asian Leaders Initiative Professional Fellows Program</td>
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The COVID-19 pandemic paralyzed the world and caused immeasurable suffering over the past two years, it did reveal an undeniable link between human activity and the environment. This link was most pronounced during the early lockdowns of 2020¹: pollution and greenhouse gas emissions decreased as economic activities slowed down; air quality got better as less vehicles plied the roads; and flora and fauna reappeared in urban areas as people were confined to their homes.

This healing of nature was the lone light in an otherwise dark period for the world.

However, as the world slowly goes back to business as usual, so too do the aforementioned problems of the past return². It is a stark reminder that we currently have an inverse and unsustainable relationship with the environment. As we bounce back, the environment deteriorates; when we deteriorate, the environment bounces back.

Neither human life nor nature should be collateral damages in our quest for development. Rather than reverting to the status quo of pre-pandemic times, we should take this opportunity to ensure a just and equitable recovery for all.

We must all act now. The third part of the Intergovernmental Panel on Climate Change (IPCC) Sixth Assessment Report (AR6) conclusively outlines that we are at a crossroads in history³. Our hopes of limiting global warming to 1.5-2°C can only be achieved if GHG emissions peak by 2025, be halved by 2030, and reach net-zero by 2050. It is a daunting task that requires multi-level, multi-stakeholder, and cross-sectoral collaboration.

Here at ICLEI Southeast Asia, we are constantly working towards this end. Last 2021, we were able to have major engagements with over 60 local and regional governments; light touch engagements with over 750 local and regional governments; conducted over 100 workshops, capacity-building trainings, and high-level meetings; engaged with over 10,000 stakeholders; created over 50 publications, including climate action plans, energy profiles, GHG inventories, and other research work; and forge numerous partnerships throughout the region. We were able to wrap up various long-term programs—including the Ambitious City Promises (ACP), Urban Low Emission Development Strategies Phase II (ULEDS), and Access to Sustainable Energy Programme - Clean Energy Living Laboratories (ASEP-CELLs)—while also laying the groundwork for new projects. In fact, the Philippine Department of Environment and Natural Resources has expressed its interest in replicating ACP locally to 16 highly urbanized cities which will serve as model cities, as well as 48 other satellite cities throughout the country.

It is heartening to know that through our numerous engagements in the previous year, we saw that sustainable development still continues to gain ground. As we rise up from the pandemic and into the new normal, so too does our hope rise that we will win the fight against climate change.

2022 signals a new beginning for the entire world. We are looking forward to capitalizing on more opportunities that will enable more local governments to succeed in their pursuit of local sustainability.

Victorino Aquitania
Regional Director
About ICLEI Southeast Asia

Who We Are

ICLEI – Local Governments for Sustainability is a global network working with more than 2,500 local and regional governments committed to sustainable urban development. Active in 125+ countries, we influence sustainability policy and drive local action for low emission, nature-based, equitable, resilient and circular development. Our Members and team of experts work together through peer exchange, partnerships and capacity building to create systemic change for urban sustainability.

The ICLEI Southeast Asia Secretariat (SEAS), based in Quezon City, Philippines, currently serves ICLEI Members in the Philippines, Indonesia, Malaysia, and Thailand. Established in 1999, ICLEI SEAS currently has 62 members from the aforementioned countries.

ICLEI SEAS prides itself on its body of work over the past years, assisting and supporting local governments in the region in their quest towards sustainable development. To date, ICLEI SEAS has implemented over 50 major long-term programs and projects in cooperation with over 60 nationally, regionally, and internationally-renowned partners. Collectively, they have benefitted over 90 local governments and their over 77-million citizens throughout 7 countries in Southeast Asia.

Over the past years, ICLEI SEAS has gained recognition for its efforts in empowering local governments in Southeast Asia by designing, promoting, and drawing external support for programs on urban resilience, low emission development, integrated resource management, and other sustainability themes.

We continue to inspire local action for regional and global sustainability.

Our Services

In the realization of ICLEI SEAS’ advocacy to localize and implement sustainable solutions, it provides an extensive range of services to members and other local governments interested in its programs and projects. ICLEI SEAS’ services include:

- Connect LGs to resources
- Conduct research and study projects
- Develop knowledge products
- Link LGs with global platforms
- Organize learning activities
- Mentor LGs in climate action
- Consult on sustainability issues
- Build institutional capacities
- Facilitate vertical integration
- Program and project design/management
ICLEI Southeast Asia in Numbers

Members in Southeast Asia

62

SEA LGs with major engagements

90+

Citizens benefitted

77 million

50+ major projects

50+

60+ partner organizations

60+
Leadership

Global and Regional Executive Committee Members

Mar-Len Abigail "Abby" Binay
Mayor of Makati City, Philippines
SEA Representative to the ICLEI Global Executive Committee
Chair to ICLEI Innovative Financing portfolio
Regional Executive Committee Member

Datuk Shadan bin Othman
Mayor/President of Hang Tuah Jaya Municipal Council, Malaysia
Advisor to ICLEI Circular Development portfolio
Regional Executive Committee Member

Dr. H. Syarif Fasha, ME.
Mayor of Jambi City, Indonesia
Regional Executive Committee Member

Alfredo Coro II
Vice Mayor of Municipality of Del Carmen, Philippines
Advisor to ICLEI Climate Action and Low Emission Development portfolio

Datuk Seri Utama Ir. Ts. Hj. Idris Bin Hj. Haron
Executive Councillor of Melaka State Government, Malaysia
Advisor to ICLEI Resilient Development and Risk Management portfolio

Dato' Sr Hj Rozali Bin Hj Mohammud
Mayor of Seberang Perai Municipal Council, Malaysia
Advisor to ICLEI Climate Action and Low Emission Development portfolio

Secretariat Management

Victorino Aquitania
Regional Director

Mary Jane Alvarez
Regional Program Manager

Ari Mochamad
Indonesia Country Manager
As of 1 March 2022, ICLEI SEAS has 62 Member local and regional governments, including two institutional members: (1) the League of Cities of the Philippines (LCP) and (2) the Association of Indonesian Municipalities (APEKSI).

**Philippine Members**

1.) Bacnotan Municipality, La Union  
2.) Baguio City  
3.) Batangas City  
4.) Bohol Province  
5.) Borongan City  
6.) Cagayan de Oro City  
7.) Calapan City  
8.) Calibiga Municipality, Samar  
9.) Catbalogan City  
10.) Dagupan City  
11.) Del Carmen Municipality, Surigao del Norte  
12.) Dumangas Municipality, Iloilo  
13.) Dumingag Municipality, Zamboanga del Sur  
14.) General Santos City  
15.) Iligan City  
16.) La Union Province  
17.) League of Cities of the Philippines  
18.) Linamon Municipality, Lanao del Norte  
19.) Lubang Municipality, Occidental Mindoro  
20.) Makati City  
21.) Muntinlupa City  
22.) Naga City  
23.) Pasig City  
24.) Puerto Princesa City  
25.) Quezon City  
26.) Samar Province  
27.) San Fernando City, La Union  
28.) San Fernando City, Pampanga  
29.) San Francisco Municipality, Cebu  
30.) San Jose Del Monte City  
31.) Science City of Muñoz  
32.) Sta. Rosa City, Laguna  
33.) Tarlac City  
34.) Tubigon Municipality, Bohol  
35.) Tuguegarao City  
36.) Zamboanga City

**Indonesia Members**

1.) Association of Indonesia Municipalities  
2.) Balikpapan City  
3.) Bogor City  
4.) Cilegon City  
5.) DKI Jakarta  
6.) Jambi City  
7.) Medan City  
8.) Semarang City  
9.) Sukabumi City  
10.) Surabaya City  
11.) Surakarta City  
12.) Tanjung Pinang City  
13.) Wakatobi Regency  
14.) Yogyakarta City

**Malaysia Members**

1.) Alor Gajah Municipal Council  
2.) Hang Tuah Jaya Municipal Council  
3.) Langkawi Municipal Council Tourism City  
4.) Melaka Historic City Council  
5.) Melaka State Government  
6.) Penang Island City Council  
7.) Seberang Perai City Council

**Thailand Members**

1.) Bangkok Metropolitan Authority  
2.) Muangklang Municipality  
3.) Phuket City
## Partnerships

The ICLEI Southeast Asia Secretariat would like to thank its funding, implementation, and research partners through the years.

### Main Funding Partners

- Alliance to End Plastic Waste (AEPW)
- Asian Development Bank (ADB)
- Canadian International Development Agency (CIDA)
- Dutch Ministry of Foreign Affairs
- Earth Council
- European Commission
- European Union (EU)
- Fondation Botnar
- German Federal Ministry for Economic Cooperation and Development (BMZ)
- German Federal Ministry for Environment, Nature Conservation, and Nuclear Safety (BMU)
- German Society for International Cooperation (GIZ)
- Global Environment Facility (GEF)
- Institute for Global Environmental Strategies (IGES)
- International City/County Management Association (ICMA)
- International Institute for Environment and Development (IIED)
- Loughborough University
- Japan Fund for Global Environment (JFGE)
- Japan Overseas Environmental Cooperation Center (OECC)
- Konrad Adenauer Foundation Singapore (KAS)
- MAVA Foundation
- One Planet Network
- Philippine Local Government Academy
- ProVention Consortium
- Renewable Energy and Energy Efficiency Partnership (REEEP)
- Rockefeller Foundation
- UK Aid
- United Cities and Local Governments (UCLG)
- United Nations Development Programme (UNDP)
- United Nations Environment Programme (UNEP)
- United Nations Human Settlements Programme (UN Habitat)
- United States Agency for International Development (USAID)
- United States Environmental Protection Agency (USEPA)
- World Bank
- World Resources Institute (WRI)
- World Wildlife Fund (WWF)

### National Agencies

- Indonesian Ministry of National Development Planning (BAPPENAS)
- Indonesian Geospatial Information Agency (BIG)
- Indonesian Ministry of Energy and Mineral Resources (ESDM)
- Indonesian Ministry of Environment and Forestry (KLHK)
- Philippine Climate Change Commission (CCC)
- Philippine Climate Change Service (CCS)
- Philippine Department of Energy (DOE)
- Philippine Department of Environment and Natural Resources (DENR)
### National and International Organizations

| Asia Pacific Adaptation Network (APAN) | Korea Environment Institute (KEI) |
| ASEAN Centre for Biodiversity | League of Cities of the Philippines (LCP) |
| Association of the Indonesia Municipalities (APEKSI) | Lokahita |
| C40 Cities Climate Leadership Group, Inc. (CDP) | Modern Energy Cooking Services Programme (MECS) |
| Clean Air Initiative for Asian Cities (CAI-Asia) | Misereor |
| Climate and Development Knowledge Network (CDKN) | Perspectives Climate Group GmbH |
| Emergent Ventures International Pte. Ltd. (EVI) | Philippine Green Building Council (PGBC) |
| Engagement Global | ProVention Consortium |
| Food and Agriculture Organization of the United Nations (FAO) | Renewables Academy AG (RENAC) |
| Global 100% Renewable Energy Platform | Resilience Development Initiative (RDI) |
| Global Factor | Save the Children Indonesia |
| Global Infrastructure Basel Foundation (GIB) | Seoul Metropolitan Government |
| ICF International | Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA) |
| Indonesian Association of Urban and Regional Planners (IAP) | Swiss Philanthropy Foundation |
| Institute for Essential Services Reform | Swiss State Secretariat for Economic Affairs (SECO) |
| International Centre for Environmental Management (ICEM) | Thailand Greenhouse Gas Management Organization |
| International Development Research Centre (IDRC) | United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP) |
| International Renewable Energy Agency (IRENA) | Vietnam Institute for Urban and Rural Planning (VIUP) |

### Academic and Research Institutions

| Ateneo School of Government (ASoG) | University of the Philippines - Los Baños (UPLB) College of Human Ecology (CHE) |
| Fraunhofer Institute for Solar Energy System (ISE) | University of the Philippines - Los Baños (UPLB) Department of Community and Environmental Resource Planning (DCERP) |
| Institute of Technology Bandung (ITB) School of Architecture, Planning, and Policy Development | University of the Philippines – Los Baños (UPLB) School of Environmental Science and Management (SESAM) |
| Manila Observatory (MO) | University of San Carlos (USC) |
| National University of Laos (NUoL) Faculty of Environmental Sciences | Xavier University |
MAJOR PROJECTS THROUGHOUT 2021
100% RE
100% Renewables Cities and Regions Roadmap

Project Partners: German Federal Ministry for the Environment, Nature Conservation, and Nuclear Safety (BMU); International Renewable Energy Agency (IRENA); Global 100% Renewable Energy Platform; Renewables Academy (RENAC) AG

The 100% RE Project has been implemented since 2019 and aims to support the deep-dive regions in developing a roadmap towards 100% renewable energy, helping contribute to the achievement of NDCs, helping the local governments develop bankable RE projects, and supporting local energy policy development.

Project Locations

West Nusa Tenggara Province
Indonesia

Mataram City
Indonesia

Sumbawa Regency
Indonesia

Key Accomplishments

1.) Formulated the vision “To achieve 100% Renewable Energy in West Nusa Tenggara region in all sectors by 2050”, which was also approved by the WNT Provincial Government.

2.) Completed the development of the WNT 100% RE 2050 modeling, following an initial status report on existing WNT Energy Profile and Energy Situational and Stakeholder Analysis.

3.) Held a kick-off multi-stakeholder meeting on WNT 100% RE 2050 Roadmap development to discuss the expected outcomes of the roadmap document in development.

4.) Conducted two capacity buildings: one on the 100% RE Building Block Methodologies and Tools, and one on the CDP-ICLEI Unified Reporting System.
Notable Project Highlights for 2021

I. Yuliadi Ismono, M.Si. from Department of Energy and Mineral Resources of West Nusa Tenggara Province (DESDM NTB) gives a presentation entitled “Optimization of renewable energy development in West Nusa Tenggara Province” during the visioning workshop.

The West Nusa Tenggara (WNT) Provincial Government, through Dr. Ir. Hj. Sitti Rohmi Djalilah, WNT Province Deputy Governor (center) approves the WNT 100% RE 2050 vision statement.

ICLEI Indonesia, roadmap expert and consultant PT Energi Biru Indonesia, and the Project Implementation Team (PIT) during the kick-off meeting on the WNT 100% RE Roadmap development on 23 November 2021.

Selamet Daroyni, ICLEI Indonesia Project Officer, explains the project overview and progress to Dr. Ir. Hj. Sitti Rohmi Djalilah, WNT Province Deputy Governor.

West Nusa Tenggara aims to reach net-zero emissions by 2050. This commitment is reflected in the roadmap of 100% renewable energy by 2050, in which we are assisted by ICLEI.

-Dr. Ir. Hj. Sitti Rohmi Djalilah, M.Pd Deputy Governor of West Nusa Tenggara, Indonesia
ACCELERATE aims to strengthen sustainable consumption and production of energy use in Pasig City and Parañaque City by enhancing the implementation of the Philippine Green Building Code and Energy Efficiency and Conservation Law across the board by inspiring action from the private sector and local communities.

**Project Partners:** *One Planet Network; United Nations Environment Programme*

**Key Accomplishments**

1.) Provided EEC capacity building workshops to 39 Energy Advocates who in turn were able to give lectures to 298 city hall employees in Pasig and Parañaque.

2.) Produced knowledge products in the form of "A Guidebook for the Energy Advocates", a reference material on conducting a basic energy audit, and "Chuchay Learns to Save Energy", a comic book that follows Chuchay’s day as she learns about energy efficiency and conservation. A total of 500 copies of the comic book and 60 copies of the guidebook were distributed to the community members of both cities.

3.) Launched an online platform that functions as a one-stop information resource on EEC and sustainable buildings. The online platform reached 16,657 unique users and 24,771 page views as of 2021.
EnP. Jose Bernardo Gochoco III, ICLEI SEAS Project Officer; Engr. Ma. Teresa Quioge, Supervising Environmental Specialist of the Paranaque City CENRO; and Donna Manansala, Community Relations Officer I of the Paranaque City CENRO during the distribution of the energy audit tools and IEC materials last 29 October 2020 in Parañaque City Hall.

Arch. Pinky Villadolid, Project Development Officer of the Pasig City CPDO; EnP. Jose Bernardo Gochoco III, ICLEI SEAS Project Officer; Allendri Angeles, Head of Pasig City CENRO/CSWMO; and Jhayar Villanueva, Pasig City CENRO staff during the distribution of the energy audit tools and IEC materials last 30 October 2020 in Pasig City Hall.

Paranaque City Energy Advocates provides lectures on the basic concepts and practices of energy efficiency and conservation last February 2021 in Paranaque City Hall.

Pasig City Energy Advocates provides lectures on the basic concepts and practices of energy efficiency and conservation last March 2021 via Google Meet.

The ACCELERATE project has offered us an innovative path towards energy conservation and compliance with the Green Building Code, and we hope to sustain the momentum gained from this project moving forward.

-Edwin Olivarez
Mayor of Parañaque City, Philippines
Developing Plastic Waste-Free Cities

Project Partners: Alliance to End Plastic Waste

The Developing Plastic Waste-Free Cities Project is an initiative between the Alliance to End Plastic Waste and ICLEI to help cities formulate sustainable solutions to their plastic waste problems. In Southeast Asia, the project is being implemented in Iloilo City, Philippines; Jambi City, Indonesia; and Iskandar Region, Malaysia. The cities are expected to submit a comprehensive plastic waste management plan through a bankable project proposal.

Key Accomplishments

1.) Conducted a virtual memorandum of understanding signing and inception workshop with project cities.

2.) Completed an on-site waste analysis and waste characterization study for Iloilo City, Philippines, Jambi City, Indonesia, and Iskandar Region in Malaysia.

Project Locations

Iloilo City
Philippines

Jambi City
Indonesia

Iskandar Region
Malaysia
Iloilo City, PH Mayor Jerry Trenas; IRDA, MY Chief Executive Datuk Ismail Ibrahim; Jambi City, ID Mayor Dr. Syarif Fasha; Alliance Vice President for Projects Nicholas Kolesch; ICLEI Indonesia Country Manager Ari Mochamad; and ICLEI Southeast Asia Regional Director Victorino Aquitania during the virtual MOU signing for the Plastic Waste-Free Cities program last 13 July 2021.

A WACS personnel weighting the sample of the waste at Depo Mama, as part of the quantification and characterization of the waste in Jambi City.

WACS personnel conduct waste characterization amidst inclement weather in Iloilo City.

Waste sample collection at the Pekan Nenas Dumpsite in Iskandar, Malaysia.

We believe that with AEPW and ICLEI as our partners in this program, our local and national target to reduce plastics to 30% by 2025 and ultimately eliminate plastic waste can be achieved.

-Dr. H. Syarif Fasha, ME. Mayor of Jambi City, Indonesia
The Ambitious City Promises project was a 4.5 year-long endeavor to fortify future metropolitan climate action in Southeast Asia through bottom-up and stakeholder-driven climate action planning. ICLEI SEAS supported select large cities in the Philippines, Indonesia, and Vietnam in establishing strong greenhouse gas reduction commitments, local climate action plans directed by concrete targets, enhanced multi-stakeholder engagement, and integrated climate strategies.

1.) Collectively, Jakarta, Hanoi, and Pasig’s commitments through the City Promises account for a potential reduction of 46-million tons of GHG emissions.

2.) Engaged over 1,200 stakeholders in shaping climate action from the ground up.

3.) Capacitated 500+ city staff through over 70 training and workshops.

4.) Implemented three pilot projects (one each in DKI Jakarta, Pasig, and Hanoi) which are expected to collectively contribute to approximately 440 tCO2e of GHG emissions reduction annually.
Though this project has come to a close, we hope to keep pushing forward with the Promise of Pasig by working together, engaging all stakeholders to strengthen our local, national, and international climate actions.

-Victor Ma. Regis Sotto
Mayor of Pasig City, Philippines

Together with ICLEI and Vietnamese partners, DONRE launched the “Green Design Contest: Green Public Space for a Peaceful Living” on March 26, 2021, giving residents the chance to showcase design ideas for green spaces. The winning entries are given the opportunity for immediate implementation in Cầu Giấy District, where the recycled playground was being installed.

Pasig City Mayor Vico Sotto (bottom right) accepted the project outputs and committed the city to sustaining the project outcomes. He was joined by Mr. Yuli Hartono, Assistant Deputy Governor DKI Jakarta for Environmental Affairs (upper right), and Ms. Luu Thanh Chi, Vice Director of Hanoi DONRE (bottom left).

(from left) Head of Pasig City CENRO/CSWMO Mr. Allendri Angeles; Pasig City Mayor Vico Sotto; ICLEI SEAS Regional Director Vic Aquitania; and Pasig City Councilor Editha Santiago signed the handover MOU for the Pasig EcoPledge Platform last 5 July 2021 at the Barangay Hall of Sta. Rosa, Pasig City.

Mr. Marullah Matali, Regional Secretary of DKI Jakarta (left), accepted the project outputs from Mr. Ari Mochammad, Country Manager of ICLEI – Local Governments for Sustainability Indonesia (right).
ASEP-CELLs is a project funded by the European Union and implemented by the Ateneo School of Government (ASoG) in partnership with Manila Observatory, ICLEI SEAS, Xavier University, and University of San Carlos in the Philippines. It supports the country’s Department of Energy in achieving 100% rural electrification through renewable energy, thus increasing the share of renewable energy in the Philippines’ energy mix, and promoting energy efficiency towards sustainable and inclusive growth.

### Project Locations

1. **Sta. Rosa City, Laguna, Philippines**
2. **Bohol Province, Philippines**
3. **Cagayan de Oro City, Philippines**

### Key Accomplishments

3. Formulated the GEMP Brochure and LEECP Primer, and drafted the LEECP Guidebook for local governments.
4. Provided LEECP Formulation and Energy Audit Workshops to Santa Rosa City, Provincial Government of Bohol, and Cagayan De Oro City.
5. Provided Project Development Workshops to Santa Rosa City, Provincial Government of Bohol, and Cagayan De Oro City.

### Project Partners:
The European Union; Ateneo School of Government; Manila Observatory; Xavier University; University of San Carlos
A webinar showcasing local-level sustainable energy best practices was attended by more than 100 participants from Philippine local government units (LGUs), national government agencies, non-government organizations, academe and the private sector.

The participants of the consultation on the draft LEECP Guidebook for LGUs.

The ICLEI SEAS, ASEP-CELLs Project Monitoring Office, consultants Dr. Lloyd Bautista and Dr. Michael Abundo, and the Local Government Units of the Province of Bohol and Cagayan De Oro City during their presentation of their Formulated Energy Efficiency and Conservation Project Proposal.

The ICLEI SEAS, ASEP-CELLs Project Monitoring Office, consultants Dr. Lloyd Bautista and Dr. Michael Abundo, and resource person Ms. Michelle Robles from the Development Bank of the Philippines with the Local Government Unit of Santa Rosa City.

We value the assistance provided by ASEP-CELLs and ICLEI SEAS which enabled us to implement for the first time important EEC processes such as energy auditing.

-Atty. John Titus Vistal  
Head of Provincial Planning and Development Office, Bohol Province, Philippines
This program aims to empirically assess the extent to which a circular economy can effectively address social and environmental challenges by using jobs falling under the circular economy category as the main indicator. In addition, this project introduces the Integrated Guideline for Sustainable Neighborhood Design as a planning guide in building sustainable settlements, focusing on design, locality, and building vibrant local economies.

### Project Locations

<table>
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<tr>
<th>Location</th>
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<tr>
<td>Bogor City, Indonesia</td>
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### Project Partners: *United Nations Environment Programme*

### Key Accomplishments

1. Identified four priority sectors where Bogor City should focus to facilitate sustainable and circular development, while also creating sustainable jobs, namely (1) collection, recycle and waste, (2) tourism, (3) manufacturing, and (4) telecommunication.

2. Developed a policy brief which provides recommendations on possible sustainable strategies to scale up the implementation of the Kampung Revitalization Program.

3. Identified three concepts of circular economy training to support the local community, namely (1) digital marketing, (2) waste management using Black Soldier Fly (BSF), and (3) repurposing coffee grounds into other products.
Representatives from the Development and Planning Agency; Labour and Transmigration Agency; Environment Agency; Industry and Trade Agency; Investment and Integrated Service Agency; and ICLEI Indonesia discuss the priority sectors of Bogor City for the Circular Jobs program during the Stakeholder Meeting on 2 February 2021 at the Office of the Development Planning Agency.

Serge Salat, UNEP Advisor, presents the Integrated Guidelines for Sustainable Neighbourhood Design to the participants.

Sharon Gil, Programme Management Officer of the UNEP Cities Unit/Economy Division, conveys her welcome remarks.

The representatives from the Bogor City Local Government attended the virtual workshop on Integrated Guidelines for Sustainable Neighbourhood Design on 6 May 2021.

We hope this will help us design economic development plans that support environmental protection and social progress, identify inclusive solutions to support COVID-19 recovery, and facilitate collaboration on urban solutions.

-Febby Lestari
Head of Economy and Natural Resources Sub-Division, Bogor City Development Planning Agency, Indonesia
Circle City Scan Tool

The project aims to enable local governments to identify and prioritize circular opportunities for their cities or regions, based on socio-economic data and material flows. A prototype version of the tool has been developed by Circle Economy with support from the MAVA Foundation and in collaboration with Metabolic, Ellen MacArthur Foundation, ICLEI, GeoFluxus, and Metabolism of Cities.

Project Partners: MAVA Foundation; Circle Economy; The Ellen MacArthur Foundation; Metabolic

1.) Stakeholders in Bogor City and Bogor Regency selected four sectors in total as their priority sectors to develop the circular economy initiative. For Bogor City, these were (1) manufacturing and (2) trade, transport, accommodation, and food service activities. For Bogor Regency, these were (1) manufacturing and (2) agriculture, forestry, and fishery.

2.) Five potential circular economy initiatives have been identified in Bogor City and Bogor Regency. These initiatives could be developed further to support local governments in their transition to circular development.
Notable Project Highlights for 2021

Representatives from Research and Development Planning Agency; Environment Agency; Industry and Trade Agency; Food Crops, Horticulture and Plantation Agency; Fisheries and Livestock Agency; and Cooperatives and SMEs Agency discuss the potential circular initiatives to be implemented during the stakeholder meeting on 29 April 2021 at the Bogor Regency Office of the Research and Development Planning Agency.
The One Planet City Challenge (OPCC) is a biennial global challenge by the World Wide Fund for Nature (WWF) under its flagship One Planet Cities (OPC) program. This competition recognizes cities developing low-carbon solutions and helping advance global transition to a climate-resilient future. It also incentivizes cities to report their data, create cross-cutting climate actions, and make ambitious climate commitments in line with the Paris Agreement and the 1.5°C global temperature ceiling goal.

### Project Partners:
*World Wide Fund for Nature*

### Key Accomplishments

1. 16 Philippine and 24 Indonesian local governments participated in the latest OPCC run, sharing their climate commitments and actions through the CDP-ICLEI Unified Reporting System.

2. Designed and delivered 5 workshops on climate adaptation and mitigation to 174 city staff throughout the 16 Philippine sites.

3. Philippine cities reported 128 adaptation actions and 174 mitigation actions, 40 of which have an estimated GHG emissions reduction of 689,296.51 mtCO₂e annually. The GHG emissions reduction targets of 10 Philippine cities also account for a potential reduction of 20,983,084 tCO₂e by 2030.

4. ICLEI Indonesia forged a partnership with APEKSI and LTKL, resulting in more participating cities this year versus only 18 during the previous run.

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<th>Key Accomplishments</th>
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OPCC Cities representatives, ICLEI SEAS, and WWF virtually met for the Virtual Training on the CDP-ICLEI Unified Reporting System last June 16, 2021, via Zoom.

Baguio City, Legazpi City, andOrmoc representatives from the environment, planning, engineering, agriculture, and disaster risk and reduction management offices attended the Localizing Sustainable Urban Food Systems Workshop last November 11, 2021, via Zoom.

100 participants from 42 local governments attended the Workshop on Socialization and Technical Assistance for OPCC 2021 - 2022 in Indonesia.

Mr. Hendricus Andy Simarmata ST, M.Si, Chairman of the Indonesian Association of Urban and Regional Planners (IAP) highlighted the role of urban planning in the climate resilience.

Notable Project Highlights for 2021
Jointly implement by UN-Habitat and ICLEI - Local Governments for Sustainability, the Urban-LEDS II project defines a pathway to address integrated low emission and resilient development in 60 cities in eight countries worldwide, including Lao PDR and Indonesia. Funded by the European Commission, the project works directly with local and national governments and key stakeholders to accelerate the low emission development process while also maximizing adaptation co-benefits.

### Project Locations

- **Kaysone Phomvihane City and Pakse City (model cities);** Bachiangchaleunsook, Oouthoumphone, Sanasomboun, Songkhone, Vientiane, Luang Prabang (satellite cities)
  - Lao PDR

- **Balikpapan City and Bogor City (model cities);** Bontang, Bogor Regency, South Tangerang, Tarakan (satellite cities)
  - Indonesia

### Key Accomplishments

1.) Supported the development of four community-wide GHGIs that support NDC emissions calculations.

2.) Enabled the development of six CRVAs to mainstream climate resilience, helping shape climate resiliency plans at the subnational level which are embedded in the NDCs.

3.) Implemented five pilot projects (one each in cities of Kaysone Phomvihane, Balikpapan, Pakse, and two in Bogor City) which are expected to contribute to sustainable waste management and low carbon development through solar power, energy efficiency, and resource circulation.

4.) Developed and formally adopted four Urban-LEDS and CAPs that capture the strong cross-departmental and multi-sectoral approach in the identification and prioritization of strategic climate actions.
ICLEI Indonesia staff, representatives of local and national governments, and NAG members during the closing workshop. The workshop was held under strict adherence to COVID-19 protocols.

ICLEI Indonesia Office officially handed over the facility by signing the facility handover letter (locally named Berita Acara Serah Terima) last 18 October 2021 alongside the Environment Agency of Bogor City to ensure the sustainability of the pilot project.

Mr. Vongdavanh Insysiengmai, Deputy Director of the Kaysone Phomvihane City Office of Natural Resources and Environment, discussed the steps moving forward in implementing the Climate Action Plans.

During the Regional Exchange Session for Southeast Asia attended by local government units from Indonesia and Lao PDR and their national government agencies.

It is clear that the Urban-LEDS project has strengthened Bogor City’s development towards Green City, Smart City and Heritage City and supported the Indonesian Government towards net-zero emissions.

-Dr. Bima Arya Sugiarto
Mayor of Bogor City, Indonesia
Greening the Philippines’ Recovery and Resilience Strategies

Project Partners: United Nations Development Programme; Global Factor

Pursuing a greener, sustainable and resilient pathway potentially offers massive economic, social and environmental benefits through the creation of inclusive sustainable businesses and jobs, and the strengthening of resilience—including health, social, environmental and economic resilience—of the population and the sectors. This project aims to provide technical assistance in greening the Philippines’ COVID-19 recovery and resilience strategies of the national and local government and the private sector.

Project Locations

Key Accomplishments

1.) Conducted an analysis of existing policies, strategies, and regulations at national level to assess their effectiveness towards the achievement of key economic, social, environmental/climate change objectives in the country and to identify key entry points that show the greatest potential for green recovery strategies.

2.) Conducted key informant interviews with national government agencies to validate information as well as gather additional supporting data for the analysis of priority sectors of agriculture, construction, manufacturing, and transportation.
KASpaces is an innovative programme that aims to achieve the following: (1) Promotion of collaboration and cooperation between various stakeholders in addressing the sustainable development goals and other societal aspirations; (2) build capacities of various stakeholders through networking and skills upgrading workshops; (3) identify the common challenges faced by countries in Asia in achieving the SDGs, and (4) find a collaborative framework in addressing the sustainable development goals and other societal aspirations.

### Project Locations

| Philippines | Malaysia | Indonesia | Cambodia | Lao PDR |

### Key Accomplishments

1.) Led the conduct of five country-level webinars throughout Southeast Asia, each featuring topics such as urban development, internal migration, transportation, climate resilience, affordable housing, solid waste management, green building, and local climate action.

2.) Gathered over 700 stakeholders from the local and national governments CSOs, academe, and the private sector, including over 70 speakers, panelists, and rapporteurs.

3.) Select panelists also spoke at the KASpaces Regional Forum on Sustainable Cities and Resilient Communities.
Modern Energy Cooking Services Programme

Project Partners: UK Aid; Loughborough University; the World Bank Energy Sector Management Assistance Program

The MECS project was a short research project funded by the UK Aid and conducted through the Department of International Development. It aims to explore the drivers of fuel stacking practices and the barriers to a full transition to clean cooking in Indonesian low income and peri-urban households. The results of the study will support the development of West Nusa Tenggara Province's 100% Renewable Energy Roadmap.

We hope that we can use the results and recommendations to formulate energy programs, energy policies, and a renewable energy roadmap in Sumbawa Regency.

-Wahyu Indrajaya
Department Head of Infrastructure and Region, Bappeda of Sumbawa Regency, Indonesia

Project Locations

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<tr>
<th>Location</th>
<th>Country</th>
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<tbody>
<tr>
<td>Mataram City</td>
<td>Indonesia</td>
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<tr>
<td>Sumbawa Regency</td>
<td>Indonesia</td>
</tr>
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</table>

Key Accomplishments

1.) Produced the final report regarding Mataram City and Sumbawa Regency households’ fuel stacking behavior, identifying cultural, social, and economic factors that bar full transition to clean cooking, including recommendations on how the LG’s can help transition to clean cooking.
South-South Collaboration on Climate Information Services

Baseline Survey on Climate Information Services for Local Government Units

Project Partners: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)

Funded under the International Climate Initiative of the German Federal Ministry for the Environment, Nature Conservation, Building, and Nuclear Safety (BMU - IKI), this joint undertaking by GIZ, the Philippine Climate Change Commission and other actors at the national and local levels aims to use Climate Information Services (CIS) to expand the local knowledge base for understanding climate change and its impacts, and to making informed decisions in planning and implementing adaptation and mitigation measures.

**Project Locations**

Philippines

**Key Accomplishments**

1.) Assisted in the delivery of an inception workshop to 17 provinces in the Philippines, introducing the project and soliciting feedback and support in the conduct of the surveys.

2.) Conducted focus group discussions with 10 provinces to facilitate the conduct of the survey.

3.) A total of 71 provinces with 654 local government units across Luzon, Visayas, and Mindanao responded to the baseline survey.

4.) Majority of the LGU respondents shared that they are sufficiently aware of their climate risks and climate information services.
UrbanShift supports over 20 cities around the world in adopting an integrated approach to urban development and building an equitable and zero-carbon future. ICLEI IO leads activities in Indonesia and coordinates with global team and local project teams; coordinates with cities regarding local climate action; guides cities on how to commit to international climate action; facilitates city participation in global UrbanShift events; and leads development of fora, city academies, peer exchanges, and finance-related events.

### Project Locations

- **DKI Jakarta**
  - Indonesia
- **Semarang City**
  - Indonesia
- **Balikpapan City**
  - Indonesia
- **Bitung City**
  - Indonesia
- **Palembang City**
  - Indonesia

### Key Accomplishments

1. Completion of a 5-year Work plan.
2. Engagement with implementing agencies, country and city officials has been initiated during this reporting period.
3. Completion of Light Touch City Needs Assessments.
4. Finalization of country communications protocols.
5. Completion of Integrated Sustainable Urban Development Assessment (ISUDA) which serves as a baseline.
Urban Climate Action

Pilot Projects under Article 6 of the Paris Agreement in Indonesia & Thailand

Project Partners: German Federal Ministry for Environment, Nature Conservation, and Nuclear Safety (BMU); Perspectives Climate Group GmbH; Thailand Greenhouse Gas Management Organization

The project aims to assist city administrations and central governments in the development of Urban Article 6 pilot projects. This involves supporting local and national capacities in the definition, conceptualization, and implementation of Urban Article 6 activities, culminating in at least one project ready to generate emission reductions. Learnings, best practices, and knowledge products gained from the endeavor will be disseminated nationally and internationally.

Project Locations

Yogyakarta City
Indonesia

Key Accomplishments

1.) Started engagements with city government, national government agencies, and experts on November 2021.
OTHER ENGAGEMENTS IN 2021
The C40’s Climate Action Planning Programme (CAP) supports the process of cities in their commitment to delivering their most ambitious goals of the Paris Agreement at the local level by committing to the Deadline 2020 Report. In the Philippines, ICLEI SEAS leads the consortium with Manila Observatory and Ricardo, a consulting firm based in London to support the delivery of CAP in Quezon City—the only C40 member city in the Philippines.

1.) C40’s CAP Programme is designed to enhance the city’s climate action plan and deliver action consistent with the Paris Agreement; addressing both the need to reduce GHG emissions and adapt to adverse climate change impacts.

2.) 2021 activities streamlined the conclusion of the CAP process where Quezon City finalized its Enhanced LCCAP 2021-2050 indicating the city targets that are in line with the Paris Agreement.

**Engagement Locations**

Quezon City, Philippines

**Key Accomplishments**

As set out in the Enhanced Local Climate Change Action Plan, we aspire to be the leading city in advancing inclusive, ambitious, and evidence-based climate actions in the Philippines, building resilience and advancing green economic development while providing a livable and quality community for all. This is the motivation that drives our city forward and through this Enhanced LCCAP 2021-2050, we are one step closer to this reality.

-Ma. Josefina Belmonte
Mayor of Quezon City, Philippines
The Climate Change Mitigation Workshop was conducted on 25-26 November 2021 in support of Del Carmen’s pledge to the Cities Race to Zero. The training aimed to enhance the LGU’s capacity in formulating and implementing climate change mitigation measures. The Municipality of Del Carmen is among the most vulnerable LGUs in the Philippines owing to its geographically-isolated and disadvantaged location.

1.) The Municipality of Del Carmen pledged to achieve net-zero emissions by joining the Cities Race to Zero. ICLEI SEAS committed to supporting the municipality on its journey towards a low emission development pathway.

2.) ICLEI SEAS engaged the technical staff of the planning and development office and disaster risk reduction and management office of the municipality during the climate change mitigation workshop.

3.) Through the workshop, the municipality was able to create a GHG inventory development timeline for 2022.

Del Carmen is considered as a geographically isolated and disadvantaged area, and among the most vulnerable islands in the Philippines. With this realization, we have started developing innovative approaches towards a climate-resilient community but we know that there’s more to be done.

-Alfredo Coro II
Vice Mayor of Del Carmen, Philippines
ICLEI SEAS and CDP jointly organized a webinar entitled “Climate Data in Cities: How and Why to Report?” on 7 April 2021. The webinar discussed the benefits of reporting high-quality climate data on the CDP-ICLEI Unified Reporting System and how it can support cities in their policy-making and development of comprehensive action plans.

**Engagement Locations**

- Ormoc City, Philippines
- Seberang Perai, Malaysia
- Balikpapan City, Indonesia

**Key Accomplishments**

1.) The webinar gathered 57 attendees from Southeast Asian cities, with Ormoc City, Seberang Perai, and Balikpapan also sharing their insights on how climate data reporting has supported them on their climate action journey.
Now on its third year, Climathon Pasig is an ideathon that convenes innovators of Pasig City, Philippines to build their climate change mitigation ideas and solutions, particularly in the sectors of energy, transportation, and waste. Climathon is spearheaded by Future Proof, SCALE Solutions, and Climate-KIC of the European Union. The latest run happened on 25-29 October 2021.

**Engagement Locations**

Pasig City, Philippines

**Key Accomplishments**

1.) ICLEI SEAS LEDS Manager Pamela Cabacungan led a session tackling how to communicate greenhouse gas emissions to stakeholders. ICLEI SEAS joined 9 organizations in three-day virtual ideathon that helped participating Pasigueños in building their climate solutions.

2.) 222 Pasigueños registered in Climathon Pasig 2021, 10 teams pitched their ideas for climate solutions, and 3 teams won and received seed-funding for implementation.
Enhancing Institutional Capacities of Local Government Units in Region V

A Program on Climate Change Adaptation, Mitigation, and Disaster Risk Reduction and Management

Conducted on 6-10 December 2021 and spearheaded by the Philippine Department of the Interior and Local Government (DILG) Region V in partnership with the University of the Philippines – Los Banos (UPLB), the program aims to build the capacities of local government units from the provinces of Masbate and Sorsogon on climate and disaster risk assessment (CDRA), geographic information system (GIS), and local climate change action planning.

**Engagement Locations**

Provinces of Masbate and Sorsogon, Philippines

**Key Accomplishments**

1.) The technical capacities of the staff of 11 municipalities in Masbate and Sorsogon on local climate action planning were built during the training-workshop.

2.) ICLEI SEAS shared knowledge, experiences, and good practices in producing community-level GHG inventories and low emission development strategies based on globally recognized methodologies and tools as well nationally endorsed guidelines on local climate change action planning.
The webinar provided local government with a comprehensive overview of financial planning as a core component of strategic air quality management and climate action. It was held on 24 September 2021.

Key Accomplishments

1.) 104 attendees representing local and sub-national governments, national agencies, NGOs, universities, research institutions, and international funding organizations joined the capacity building and networking webinar organized by Clean Air Asia.

2.) ICLEI SEAS shared the key challenges faced by SEA cities in financing their clean air and climate financing mechanisms. SEAS also demonstrated how ICLEI is supporting cities in bridging the financing gap through its Transformative Actions Program (TAP).

We must enhance our capacities on finance planning and proposal preparation. We are thankful for the support of our partners such as C40, Clean Air Asia, and ICLEI for providing us with guidance and equipping us with the knowledge and capacity to undertake these.

-Ma. Josefina Belmonte
Mayor of Quezon City, Philippines
Mobilizing Innovative Finance for Integrated Solutions: Opportunities in a Post-Pandemic World

Sustainable and Inclusive Solutions for Air Quality and Climate Change

Conducted with Clean Air Asia, the regional event “Sustainable and Inclusive Solutions for Air Quality and Climate Change” aims to build coalitions implementing integrated solutions to pollution, climate change, and social and gender inequality. Held on 25 November 2021, the session on innovative finance introduced air quality financing, identifying available financing resources, and integrating air quality financing in COVID-19 recovery plans.

Key Accomplishments

1.) 53 participants from the Philippines, Vietnam, Japan, and Thailand were able to participate in the Session and learn about Air Quality and Climate Financing as applied in their COVID-19 recover plans.

2.) Through the 15-minute exercise, the participants were able to list down their air quality programs, projects and activities, and identify current and possible financing for such undertakings.

Engagement Locations

- Philippines
- Vietnam
- Thailand
- Japan
ICLEI Indonesia and Save the Children Indonesia conducted a public dialogue on 6 April 2021 for the youth’s involvement in sustainability. The organizations discussed the role of the youth in developing sustainable and green economies against climate change.

**Key Accomplishments**

1.) Attendees were made aware of the impacts of climate change on their activities and their role in carrying out climate change mitigation and adaptation actions.

2.) Attendees indicated their willingness to incorporate the climate change agenda into their plans as an effort to realize sustainable and inclusive growth.

3.) Potential collaboration opportunities were proposed to address the impact of climate change, especially on the youth’s involvement.
Rebuilding Better Together
Platforms for Low Emissions, Resilient, and Nature-based Development

Conducted on 15 October 2021, this webinar introduced the Cities With Nature, Cities Race to Zero, and Cities Race to Resilience initiatives to ICLEI SEAS’ member and network cities. It sought to enhance their understanding of these initiatives, clarify their relevance to multilevel actions, inform potential opportunities that await, and enjoin them to sign up to further increase the region’s representations in these global campaigns and conversations.

Engagement Locations

- Philippines
- Indonesia
- Malaysia
- Thailand

Key Accomplishments

1.) Over 260 representatives from over 90 local governments throughout Southeast Asia learned about the three ICLEI initiatives.

2.) 13 Southeast Asian Cities signed up for the Cities Race to Zero; 4 joined the Cities Race to Resilience; and 6 joined CitiesWithNature.

3.) Heads of all initiatives as well as high-level leaders from Yarra City, Australia; Hang Tuah Jaya Municipal Council, Malaysia; and Makati City, Philippines, were present to discuss the initiatives as well as the benefits of signing up with them.

The Cities Race to Resilience offers a valuable platform for knowledge and learning exchanges that will inspire innovation and foresight among cities in the crafting of policies and action plans geared towards resilience and sustainability.

-Mar-Len Abigail Binay
Mayor of Makati City, Philippines
In support of the implementation of Indonesia’s One Data Policy, ICLEI Indonesia, Geospatial Information Agency (BIG), Lokahita, and Association of Urban and Regional Planners (IAP) organized a four-part webinar series on data governance which focused on the challenges and opportunities on data governance for inclusive and sustainable urban development.

1.) Various data governance challenges were identified from a series of webinars, as follows: the provision or production of data has is not yet user-oriented; low data interoperability and accessibility; low data leadership and/or data coordination from data supervisors; low awareness of the value and function of data; and low public participation in data management.
Climate Action Tools and Platforms
The ALP aims to advance the development of country-led and country-specific strategic plans to promote economic growth while reducing GHG emissions without causing trade-offs to other environmental pressures in the Asia region.

For more information, visit asialeds.org

ICLEI SEAS serves as the APAN sub-regional node, actively working with national and local governments throughout the region for climate change adaptation.

For more information, visit asiapacificadapt.net

Under BEA, ICLEI focuses on the development of guidance, capacity building and offering tailored support to local and subnational governments to assess priorities, implement and track actions, and exchange lessons learned.

For more information, visit buildingefficiencyaccelerator.org

Managed by ICLEI, the cCR is a voluntary and public reporting platform for local and other subnational governments, enabling entities to report and monitor climate and energy commitments, GHG emissions performance, as well as climate change mitigation and adaptation actions.

For more information, visit carbonn.org
**CDP-ICLEI Track**

Formerly the CDP-ICLEI Unified Reporting System, Track offers an online and free-of-charge reporting platform for cities globally, providing comprehensive guidance on data points to be reported by cities in a simplified questionnaire form. CDP and ICLEI also offer direct assistance to cities in their reporting journey.

For more information, visit [cdp.net](http://cdp.net)

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**CitiesWithNature**

CWN is a global platform for cities and other subnational governments, their communities, and experts to connect, share and learn from each other in mainstreaming nature into cities in ways that benefit both people and nature.

For more information, visit [citieswithnature.org](http://citieswithnature.org)

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**CITYFOOD Network**

The ICLEI- RUAF CITYFOOD Network aims to accelerate local and regional government action on sustainable and resilient city-region food systems by combining networking with training, policy guidance and technical expertise.

For more information, visit [iclei.org/en/CITYFOOD_Network.html](http://iclei.org/en/CITYFOOD_Network.html)

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**Cities Race To Resilience**

The Cities Race to Resilience aims to catalyze a step-change in global ambition for climate resilience, aiming to strengthen the resilience of 4 billion people in vulnerable communities by the year 2030. Race to Resilience is the sibling campaign to the global Race to Zero.

For more information, visit [citiesracetoresilience.org](http://citiesracetoresilience.org)
The Global Protocol for Community-Scale Greenhouse Gas Inventories offers cities and local governments a robust, transparent, and globally accepted framework to consistently identify, calculate, and report on city greenhouse gas emissions.

For more information, visit ghgprotocol.org/

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**Cities Race to Zero**

The Cities Race to Zero aims to build momentum around the shift to a decarbonize economy and send a resounding signal to governments who are expected to strengthen their contributions to the Paris Agreement.

For more information, visit c40knowledgehub.org/s/cities-race-to-zero

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**ecoBUDGET**

Developed by ICLEI Europe, the tool lists five steps which can link environmental sustainability goals to other social issues such as poverty alleviation and economic stability.

For more information, visit webcentre.ecobudget.org

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**EcoMobility SHIFT**

A methodology designed for cities to measure the performance in urban mobility and make informed decisions based on the areas that need improvement.

For more information, visit sustainablemobility.iclei.org

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**GHG Protocol for Cities**

The Global Protocol for Community-Scale Greenhouse Gas Inventories offers cities and local governments a robust, transparent, and globally accepted framework to consistently identify, calculate, and report on city greenhouse gas emissions.

For more information, visit ghgprotocol.org/
GreenClimateCities

The GCC Program offers cities a proven process methodology for walking step-by-step toward climate neutrality. This methodology and its associated Measuring, Reporting and Verification (MRV) framework were tested by the cities engaged in the Urban-LEDS project.

For more information, visit iclei.org/en/GreenClimateCities.html

ICLEI - ACCCRN Process

Developed by ICLEI with support from the Rockefeller Foundation, it enables local governments to assess their climate risks in the context of urbanization, poverty, and vulnerability and to, eventually, formulate and prioritize corresponding resilience strategies.

For more information, visit acccrn.net/resources/iclei-accrn-process

Solutions Gateway

An online platform where local governments can find low emission development solutions that they can apply to their cities or municipalities. The gateway houses sectoral and cross-sectoral packages of activities that aim to support cities in the development of low-emission strategies, plans, and projects.

For more information, visit solutions-gateway.org

Transformative Actions Program

TAP serves as a project preparation facility that enables local governments to access a network of partners that offer support services to increase visibility and better position them to access climate finance.

For more information, visit tap-potential.org
Publications, Case Studies, and Research Work
**Action: What Makes Pasig City Ambitious in Its Climate Action Context?**

This case study details the formulation process for the Promise of Pasig—the city’s climate declaration—as well as implementation mechanisms and paths forward to successfully deliver the sector-specific goals aggregated within the Promise of Pasig.

Scan the QR code or go to bit.ly/ActionWhatMakesPasigCityAmbitiousinItsClimateActionContext to access.

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**Case study of MRV Pilot Testing LFG Methodology at Manggar Landfill Balikpapan City**

The MoEF and ICLEI Indonesia chose TPA Manggar as a pilot project site to test the LFG Recovery Methodology for mitigation actions in the waste sector. The method estimates that GHG emissions reduction from this pilot project is 505 tCO2e annually.

Scan the QR code or go to bit.ly/CaseStudyOfMRVPilotTestingLFGMethodologyAtManggarLandfillBalikpapanCity to access.

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**Catalyzing Cleanliness: Hanoi’s Path Towards Curbing Air Pollution**

Local authorities and stakeholders are driving Hanoi’s movement towards behavioral changes that elevate collective environmental and climate action among Hanoians.

Scan the QR code or go to bit.ly/CatalyzingCleanlinessHanoisPathTowardsCurbingAirPollution to access.

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**Climate Financing Access Guidebook for Local Governments**

This guidebook provides information on how Indonesian local governments can access the availability of climate financing nationally and internationally, as well as identify available private funding sources.

Scan the QR code or go to bit.ly/ClimateFinancingAccessGuidebookForLocalGovernments to access.
Co-Creating Sustainable Ways of Living: 24 Stories of On-the-Ground Innovations

This report elaborates on the essential points of the projects conducted under the Sustainable Lifestyles and Education Programme, including the challenges of sustainable lifestyles, opportunities utilized, actions taken, learning, and other achievements.

Scan the QR code or go to bit.ly/CoCreatingSustainableWaysOfLiving24StoriesOfOnTheGroundInnovations to access.

Eco-worship Buildings

This is a detailed guide for Indonesian religions explaining the function of places of worship as places not only for spiritual duties, but also as the incubators of the people’s movement towards positive changes to society.

Scan the QR code or go to bit.ly/EcoWorshipBuildings to access.

Energy Situational and Stakeholder Analysis Indonesia

This paper discusses the energy situation and energy stakeholders in Indonesia with a focus on the current and forecasted energy status of the country.

Scan the QR code or go to bit.ly/EnergySituationalAndStakeholderAnalysisIndonesia to access.

Engaging Religious Groups for Low Emission Development

By engaging the religious leaders, the key messages around low-carbon lifestyle can be delivered to an audience which otherwise would not have been engaged by conventional climate change outreach approaches.

Scan the QR code or go to bit.ly/EngagingReligiousGroupsforLowEmissionDevelopment to access.
**Government Energy Management Program Brochure**

To better guide Philippine LGUs in implementing the GEMP, the DOE, the EU-supported ASEP-CELLs, and ICLEI SEAS have collaboratively produced the GEMP brochure, an easy-to-follow guide detailing LGU-centric EEC measures.

Scan the QR code or go to bit.ly/GovernmentEnergyManagementProgramBrochure to access.

**Improving Climate Policy in Indonesia Through Multi-level Governance**

This policy brief tackles how vertically integrating and synchronizing climate efforts between different levels of government are required for effective implementation of local climate action and for sustainable multi-level benefits with global impacts.

Scan the QR code or go to bit.ly/ImprovingClimatePolicyInIndonesiaThroughMulti-levelGovernance to access.

**Inclusion: Energizing Community Networks with Bottom-up Stakeholder Engagement**

This case study highlights both the need for inclusivity and how the Special Capital Region (DKI in Bahasa Indonesia) Jakarta's pilot initiatives fostered bottom-up climate action.

Scan the QR code or go to bit.ly/InclusionEnergizingCommunityNetworksWithBottomUpStakeholderEngagement to access.

**Initial Status Report of Deep-Dive Region: West Nusa Tenggara Province**

This Initial Status Report aims to learn the current renewable energy status of the 100% Renewables Cities and Regions Roadmap program deep-dive regions/cities. It includes analysis of legal frameworks, sources of funding, and limitations and opportunities towards 100% RE transition.

Scan the QR code or go to bit.ly/InitialStatusReportOfWestNusaTenggara to access.
Inter-Local Cooperation to Address Transboundary Urban Environmental Issues

Transportation and air quality improvements are priorities for Pasig City. An alliance with and among its neighboring local governments can deliver a more lasting impact, only if legal, financial and institutional aspects are incorporated properly.

Scan the QR code or go to bit.ly/InterLocalCooperationToAddressTransboundaryUrbanEnvironmentalIssues to access.

Interfaith Guidebooks for Religion's Role in Fighting Climate Change

These books provide insights as well as holistic solutions for the sustainability of human life, sourced from scriptural reviews and environmental studies.

Scan the QR code or go to bit.ly/InterfaithGuidebooksForReligionsRoleInFightingClimateChange to access.

Leading Climate Action in Cities: How are Balikpapan City and Bogor City Doing it?

This case study outlines how the process in formulating the Urban-LEDS II CAP—to accelerate LED with a climate resilience-focus—adopted and adapted the GCC methodology in line with the Indonesian urban planning system.

Scan the QR code or go to bit.ly/LeadingClimateActionInCitiesHowAreBalikpapanCityAndBogorCityDoingIt to access.

Local Energy Efficiency and Conservation Primer

The LEECP Primer is a shortened version of the LEECP Guidebook. Made specifically for local government executives, the primer condenses the pertinent aspects of the full LEECP Guidebook into an easy-to-digest, 9-point roadmap.

Scan the QR code or go to bit.ly/LocalEnergyEfficiencyAndConservationPrimer to access.
This policy brief is a short manuscript that presents proposed recommendations from the results of the analysis of four thematic topics discussed during the Urban Development Data Governance webinar series.

Scan the QR code or go to bit.ly/OneIndonesianDataForInclusiveAndSustainableUrbanDevelopmentGovernanceAndUsefulnessOfData to access.

An analysis of Pasig’s LDIP, AIP, Comprehensive Development Plan (CDP), and Local Climate Change Action Plan (LCCAP) provided an entry point for enhancing the integration of LEDS with Pasig’s goals.

Scan the QR code or go to bit.ly/PasigCityAssessmentOfExistingClimatePolicies to access.

This case study of Marikina City demonstrates the cross-sectoral benefits of urban agriculture with an office-managed garden on its own property to inspire future efforts in the community.

Scan the QR code or go to bit.ly/PlantingbyExampleMarikinaCityGovernmentOfficeCultivatesItsUrbanGarden to access.

This contains the efforts of six Indonesian religions in guiding their people to protect and preserve the Earth from the threat of damage. It also includes ways to prevent the threat of the global climate crisis.

Scan the QR code or go to bit.ly/ReligionPerspectiveOnHumansAndClimateChange to access.
Stakeholder Engagement for Inclusive and Participatory Local Climate Action

This brief recommends local governments to leverage people power by revisiting their relationship and engagement with their constituents. When people are heard and given avenues to speak, they are also more likely to have ownership of their city's climate goals.

Scan the QR code or go to bit.ly/StakeholderEngagementForInclusiveAndParticipatoryLocalClimateAction to access.

Sustainable Ways of Living Issue Brief Series

This Issue Brief Series aims to provide a concise introduction to three sustainability issues outlined above based on the experiences and learning from the 24 Sustainable Lifestyles and Education Programme projects. The issues are interrelated but can be read together or separately.

Scan the QR code or go to bit.ly/SustainableWaysOfLivingIssueBriefSeries to access.

The Black Soldier Fly as a Waste Management Alternative

To combat its organic waste problem, the Environment Agency of Bogor City initiated an organic waste management protocol using the black soldier fly (BSF). Implementation of the BSF initiative has succeeded in reducing the city’s daily organic waste by 2 tons.

Scan the QR code or go to bit.ly/TheBlackSoldierFlyasaWasteManagementAlternative to access.

Women-led Models of Community-Driven Waste Management Solutions

Women homemakers have proved to be invaluable partners in operating a community waste bank in Bekasi City. As the bank has grown, so too have community-led efforts to reduce GHG emissions.

Scan the QR code or go to bit.ly/WomenledModelsofCommunityDrivenWasteManagementSolutions to access.
Administration
Key Financial Figures

Financial Position

Total Assets for 2021

- **PHP 46.33-million** (approximately USD 885,664)
- **11%** Equity: PHP 41.08-million
- **89%** Liabilities: PHP 5.25-million

Financial Standing

<table>
<thead>
<tr>
<th>Year</th>
<th>Amount in PHP (million)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
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</tr>
<tr>
<td>2018</td>
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<tr>
<td>2019</td>
<td>39.5</td>
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<tr>
<td>2020</td>
<td>41.1</td>
</tr>
<tr>
<td>2021</td>
<td>41.5</td>
</tr>
</tbody>
</table>

Cost Allocation

- **General, Administrative, and Membership Expenses** 9.4%
- **Salaries and Benefits** 22.1%
- **Workshops and Trainings** 2.5%
- **Project Implementation** 66%
### Human Resources

**ICLEI Southeast Asia Secretariat**

- Victorino Aquitania | Regional Director
- Mary Jane Alvarez | Regional Program Manager
- Zenaida Ranario-Tagolino | Operations Manager
- Pamela Cabacungan | Low Emission Development Strategies Manager
- Ricardo Marfiga, Jr. | Senior Project Officer for Membership, Governance, Partnerships, and Special Projects
- Alfredo Bernarte, Jr. | Senior Project Officer for Project Administration and Acquisition
- Jose Bernardo Gochoco III, EnP | Project Officer for Adaptation and Disaster Risk Management
- Anna Dominique Ortiz | Project Officer for Energy and the Built Environment
- Kristianne Jemi Santos | Project Officer
- Katrina Elaine Toliongco | Project Assistant
- Kenneth Bernard Hizon, EnP | Project Assistant
- Russel James Andrade | Project Assistant
- Chris Noel Hidalgo | Communications Officer
- Jenie Guinto Darang | Accountant
- Jennifer Maducdoc | Accounting Assistant
- Edgar Allan Virata | Administration and Finance Assistant
- Ronwaldo Olivo | Part-time Finance Coordinator

**ICLEI Indonesia Office**

- Ari Mochamad | Country Manager
- Selamet Daroyni | Senior Project Officer
- Rika Lumban Gaol *(resigned)* | Project Officer
- Nisa Nidasari | Project Officer
- Happy Tiara Asvita | Junior Project Officer
- Suryani Amin | National Coordinator for Urban Shift
- Adhia Tegar *(resigned)* | Project Assistant
- Yheni Mulyaningsih | Project Assistant
- Arfiana Khairunnisa | Membership and Communications Officer
- Hikmatul Pasaribu | Finance and Operations Officer
- Marwan | Administrative Assistant

**ICLEI Malaysia Project Office**

- Nur Syahida Binti Raidine | Project Assistant

**ICLEI Laos Project Office (inactive)**

- Keoduangchai
- Nouanphanthakoun | Project Officer
- Phonevisay Nengchue | Project Assistant