



*Advancing local government adaptation monitoring,
evaluation and reporting*

ICLEI – Local Governments for Sustainability

Laura Kavanaugh, Resilient Cities Program Manager | Adaptation Futures 2016

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Towards Sustainable Cities: ICLEI's 10 Urban Agendas

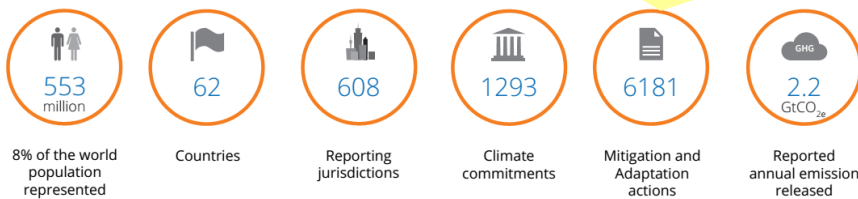
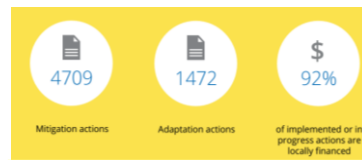


-  Sustainable City
-  Smart City
-  Low-carbon City
-  EcoMobile City
-  Resource-efficient and Productive City
-  Happy, Healthy and Inclusive Communities
-  **Resilient City**
-  Sustainable Local Economy and Procurement
-  BiodiverCity
-  Sustainable City-Region Cooperation

carbonn Climate Registry



Figure 1: Current reporting statistics of the carbonn® Climate Registry



carbonn Climate Registry (cCR) report



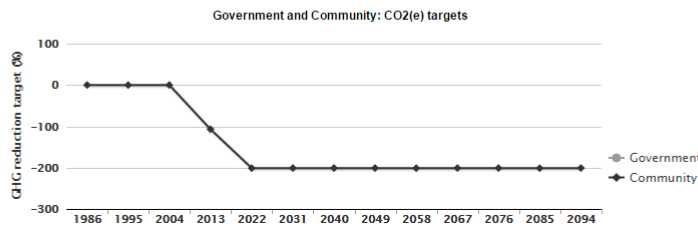
**Kuching North City Hall
Malaysia**

Population: 217566
Area of jurisdiction: 369.48 km²



Commitments

	Community	Government
Absolute base year GHG reduction target:	n/a	n/a
Baseline scenario (BAU) GHG reduction target:	n/a	n/a
Fixed-level GHG reduction target:	n/a	n/a
Carbon intensity reduction target:	201% by 2020 (2005)	n/a
Renewable energy target:	6% by 2015	n/a
Energy efficiency target:	n/a	% by 2016 (2015)



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Mitigation actions

Additional Collection Request /Polluters Pay Concept

Kuching North City Commission (DBKU) is the first council in Malaysia to adopt the polluter pays principle. The policy was enacted to make consumers become responsible for their waste generation and also in order for the council to meet their target of 50% reduction in waste generation as outlined in their Clean Beautiful Safe Masterplan. Basically, each residential household is provided with a waste bin of 120 litres capacity while commercial business are provided with a bin of 120 or 240 litres capacity depending on their entitlement. Generally, the waste collection is conducted twice a week and if there are any request for extra collection, the council will charge the consumer a minimum of RM 43.20 per collection trip. The polluter pay concept is termed as Additional Collection request (ACR) by DBKU. At present, the majority of clients come from the business community especially the commercial and industrial sector. The ACR system is intended to reduce the burden on processing solid waste by both DBKU and Trienekens which presently operates Malaysia's only integrated landfill in Kuching. The decision to bill the ACR customer is intended to reduce the financial burden borne by DBKU in managing solid waste and also to accelerate recycling efforts in accordance with government targets.

Start year	
Sector	Waste
Type	Organizational/Governance
Status	Completed
File	download

3 R programme

DBKU has initiated the 3 R programme where there are two ways of recycling systems set up. The first is the 'Green Barter' Trade where recycled materials are exchanged with recyclable products. The second is the '3R Buy Back' programme which encourages communities to segregate wastes at source point and subsequently sell the recyclables to the vendors for cash. Examples of valuable waste include newspapers, PET bottles and aluminum cans. A total of 384 recycling community events of this nature will be implemented annually. This initiative is intended to reduce solid waste hence prolonging the usable life of the landfill. DBKU will also actively promote the '3R Buy Back' programme and introduce organic waste reduction through composting by using E-Ji Bokashi as described under the ASEAN Model City Composting project in Action 2. This concept of waste reduction at source will be implemented comprehensively starting with 1,000 households covering 5 new localities. This is part of an integrated solid Waste management system by the DBKU where the goal is to increase the recycling ratio of waste generated. In 2015, recycling ratio of DBKU is 17% and the goal is to increase to 22% by the end of 2020 as per government target

Start year	
Sector	
Type	Policy/Strategies/Action Plans
Status	In Progress
File	download

Sustainable Urban Transport Programme

Kuching is unique in Malaysia as it shares five modes of travel options including cycling walking the use of private motor vehicles public transport and lastly river taxis

Start year	
Sector	Transport

carbonn Climate Registry (cCR) report



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Adaptation actions

Flood Mitigation & Improvement works

As Kuching is a low lying area, flood mitigation is critical. Kuching North City Commission (DBKU) is carrying out works to enlarge drain inlets and manhole covers to mitigate flash floods in the city centre in areas such as Jalan Khoo Hun Yeang, India Street and Gambier Street. City drains are frequently cleared of rubbish and debris daily by council staff to prevent clogging and flash floods. The total cost of flood mitigation through improvement and upgrading works done on existing and new drains have come up to RM 44.5 million from 2012 to 2015. The largest share of upgrading costs may be attributed to Semerah Padi River and Midin River which came up to RM 17.5 million.

Start year	
Sector	
Type	Technical/Infrastructure investment
Status	In Progress
File	download

Community Engagement Activities

Community engagement is a priority for DBKU as it has enabled the city management to fulfill its goal of a healthy city. For this reason, Kuching City North Commission (DBKU), Education Department and the Natural Resources Environmental Board (NREB) of Sarawak have joined forces to establish and extend the "Friends of the Environment" programme via the engagement of 3P (People, Public and Private) concept. One of the objectives of this initiative is to enable communities to act as the eyes and ears for the relevant agencies and local authorities in curbing environmental issues such as open burning and illegal dumping. Among the community engagement activities carried out include:

- Frequent group discussion and meeting between relevant government agencies and local community representatives
- River cleaning activities by the communities' group and village folks
- Cleaning of residential areas with all village folks and construction of waste bin centres
- Collection and sales of recyclables under DBKU Buy Back Campaign (weekly)
- Household involvement in Home Composting using EM Bokashi (Japanese) Methodology
- Organization of seminars such as the Low Carbon Programme, themed "Raise Your Voice, Not the Sea Level"
- Tree planting initiative
- Roundabout Corporate Social Responsibility Adoption project
- Community farming and gardening
- Local agenda 21 (LA21) support activities
- Santubong Nature Festival
- Forming of Friendly Neighbourhood committee (Kejiranan Mesra)

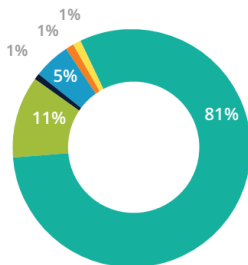
Start year	
Sector	
Type	Public Participation/Stakeholder engagement
Status	In Progress
File	download

Sarawak River Rehabilitation Project

DBKU in its effort to enhance the outlook of Kuching's natural heritage, through its Sarawak river cleaning programme has managed to clean 25 kilometres length out of the total of 112 kilometres length. The cleaning cleanses the river from floating wastes by utilising an innovative and effective 'low-tech hi-impact' award winning mechanism. To further enhance the quality of the water in the river, DBKU implements and regulates compulsory desludging while all existing and new public sewers to be installed with desludgers to ensure that waste

Start year	
Sector	
Type	Regulatory

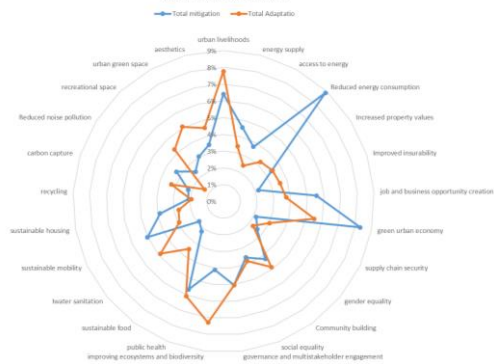
carbonn Climate Registry
5 Year Report Overview 2010-2015



Graph 8: Categorization of methods of climate action



Co-Benefit of Local Actions



Finance Sources	Amount (USD)
Local	859,653,666,296
Subnational/national	119,070,011,152
International official development assistance (ODA)	8,630,355,377
Public Private Partnership	56,428,226,412
Climate Financing (UNFCCC & Kyoto)	7,826,785,742
Not Specified	8,210,800,398

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