

# LUSAKA CITY DIGEST

## Highlights



**FRACTAL** | Future Resilience for African Cities and Lands (FRACTAL) is a trans-disciplinary group of researchers from partner organisations around the world. Together with a broad range of stakeholders, they are working to co-produce relevant knowledge that will support resilient development pathways and enable decision-makers to better integrate pertinent climate knowledge into their resource management decisions and urban development planning. FRACTAL is a four year project within the multi-consortia [Future Climate for Africa](#) (FCFA) programme - jointly funded by the UK's [Department for International Development](#) (DFID) and the [Natural Environment Research Council](#) (NERC).

## CITY EXCHANGE | Lusaka Durban exchange visit



The Lusaka team was privileged to be provided with a grant to visit the City of Durban in South Africa, which is a self-funded FRACTAL partner city. The

purpose of the visit was to exchange knowledge and conduct city-to-city learning on eco-friendly and climate change related projects at a city level.

The exchange also included knowledge sharing on how to deal with informality in cities when making decisions that are aimed at building climate resilience. The delegation on the exchange visit from Lusaka comprised Kasenga Hara from National Water and Sanitation Council, Godwin C. Chinoya from Lusaka City Council, Wilma Nchito from the University of Zambia and Lusaka Water Security Initiative steering board member, Gilbert Siame from the University of Zambia and Brenda Mwalukanga the Embedded Researcher from Lusaka City Council/University of Zambia. In Durban, the team comprised Sean O' Donoghue from the Municipality of eThekweni, Lulu Van De Rooyen the Embedded Researcher from Municipality of eThekweni/ University of Kwazulu Natal, and Smiso Benghu, Noncebo Ncube Nhle Zuma and Kathryn Haydvogl, all from Municipality of eThekweni.

The Lusaka team was taken on site visits to the Marianhill landfill and the Buffelsdraai reforestation programme. A key focus area of the exchange was climate vulnerability reduction in informal settlements. Both cities are working on reducing climate vulnerability of informal settlements through various initiatives such as FRACTAL, GCE project, ecosystem approach to climate change adaptation and mitigation, and settlement upgrading. Learning focused on how the two cities are using innovative

methodologies and innovations to promote learning for policy advancement to reduce climate vulnerability for residents in informal settlements. The exchange led to the recommitment of the City of Lusaka to the Durban Adaptation Charter by the Mayor of the City of Lusaka. The charter was signed on behalf of the Late Mayor of Lusaka, Wilson Kalumba, and Futhi Maluleka signed on behalf of the Mayor of eThekweni in Durban.



Top: Mayor of Lusaka signs the Durban Adaptation Charter

Bottom: Delegates at the site visit to Buffelsdraai reforestation programme

## LEARNING LABS | 4 : Exploration and deep dive into two burning issues - groundwater supply and water quality

The first evening of the 4th Lusaka Learning Lab began with an interactive

session facilitated by Bettina Koelle from the Red Cross Climate Centre.

Participants introduced themselves and the institutions that they were representing.

The FRACTAL project has continued to engage stakeholders in the water and energy sector. During learning lab 4, a deep dive was undertaken on 2 burning issues to unpack the complexities. Actors that are relevant to responses were also identified during an exercise as depicted on the right hand side. During the exercise, participants felt that institutions that held the legal mandate to respond to a burning issue should have a larger figurine to represent them, while those that were relevant for collaboration could be represented by the smaller figurines.



Above: Introductions at the 4th Learning Lab  
Below: Participants during group work in LL4 play a game in which actors respond to the burning issues of water supply and sanitation



## HIGH LEVEL BREAKFAST | Dissemination of policy briefs

The 4th Lusaka Learning Lab was followed by a presentation of four policy briefs at a breakfast held to engage policy makers in the water sectors. The briefs are on flooding, water supply, water abstraction and water sanitation and will be available via the [LuWSI](#) and [CURP](#) websites. Participants were drawn from the Ministry of water, sanitation and environment, national water and sanitation council. The deputy vice chancellor of the University of Zambia was in attendance.

The policy briefs draw attention to the risk of flooding in the city, the causes of flooding and provide recommendations on how to mitigate this risk. The water

supply policy brief discusses the threat that climate change could pose to surface and ground water resources, weaving in the health and sanitation implications of having inadequate water supply in the future.

The policy brief on unregulated abstraction discusses the implications and consequences that arise from having unknown levels of groundwater abstraction in a city that is heavily dependent on groundwater. The brief also discusses the new legislation to regulate borehole drilling, register boreholes and provide water assessment services in order to have a healthy water system in the city.

## FRACTAL EXHIBITION | Zambia water and exhibition forum

The Lusaka Embedded Researcher participated in the showcasing of FRACTAL and Lusaka water security initiative (LuWSI) activities at the Zambia Water and Exhibition Forum held at government complex from 11th to 13th June, 2018. City digests Issue 1 from Windhoek, Lusaka and Maputo were

circulated to stakeholders at ZAWAFE.

A panel discussion on learning for best practices was held with the Embedded Researcher presenting the city-to-city exchanges and the learning lab approach in the various FRACTAL cities the learning lab.



Above: Presenting case studies on best practices in water security

## ADAPTATION FUTURES CONFERENCE | Lusaka's FRACTAL team shares their experiences

The Lusaka embedded researcher attended the 5th Adaptations Futures conference in Cape Town. An oral presentation on the city to city learning mechanism used in fractal was presented. This was done in the same session where the Embedded Researcher from Durban made a presentation on the embedded researcher approach drawing on the experiences of the embedded researchers from Harare, Windhoek, Durban, Maputo and Lusaka.



Above: The FRACTAL team discuss the upcoming dialogue during a break at adaptation futures  
Below: Rudo Mamombe, Harare Embedded Researcher presenting a poster on the START GEC project at the Adaptation Futures



Above: Lulu Van Rooyen, the Durban Embedded Researcher presenting on the ER approach at Adaptation Futures



## OTHER FRACTAL CITIES | Windhoek and Harare

The City of Windhoek is developing its Integrated Climate Change Strategy and Action Plan (ICCSAP) to act as a framework for the city's response to climate change and to ensure that national obligations are streamlined into the city's operations. A [stakeholder workshop for CoW ICCSAP](#) took place in March.



Above: Stakeholder workshop for City of Windhoek's ICCSAP | Photo: Kornelia Ipinge

City of Windhoek and University of Namibia hosted the Windhoek **Transformational Leadership on Climate Change (TLCC) Training** on 18-19th April 2018 at Roof of Africa Hotel, Windhoek. The TLCC training was designed to equip decision-makers with knowledge that will enable them to move away from the 'business as usual' way of decision-making that is usually short-term oriented and largely sector specific, towards a more forward looking and integrated or holistic approach, a requirement for the development of climate resilient cities.

The sessions focused on: (1) showcasing adaptation inspiration cases undertaken to address climate challenges in Africa; (2) **co-producing principles for transformational leadership on climate change issues**; (3) mainstreaming climate change into city planning and practice; and (4) an introduction to the projections of future climate conditions for Windhoek.



Chinhoyi University of Technology hosted the Harare think tank in June with the aim of bringing together stakeholders who were involved in the decision-making process for the refurbishment of Morton Jaffray water works in Harare. This was done in order to explore perspectives that underpinned decision-making for the refurbishment of the MJ water works and broadly understand development of African cities by breaking away from the western world view of development.

The Think tank was conducted through facilitated conversations among stakeholders who were involved in the MJ decision-making process. Twelve participants including stakeholders from the Ministry of Health and Child Care, Ministry of Local Government and Rural Development, Harare City Council, Community Water Alliance, Combined Harare Residents Association and Harare Residents Trust attended the think tank. Participants acknowledged the importance of having a clear vision which guides development and decision-making in the city.

Left: Principles for transformational leadership on climate change co-produced by Councillors, senior officials and researchers at the TLCC Training event hosted by FRACTAL

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## EVENTS | Governance dialogue

To keep the momentum of learning in the city of Lusaka, the FRACTAL team hosted a governance dialogue in August

at Chaminuka Lodge in Chongwe. The dialogue aimed at discussing and ground truthing the results of the

governance research on understanding decision-making in the water and energy sectors in Lusaka.

The Lusaka FRACTAL team won a grant that will be used to host a training and orientation workshop. The workshop will focus on the water security action and investment plan. Lusaka City Council and GiZ will co-finance the training and orientation workshop. Lusaka City Council is leading the community engagement process of developing the water security action and investment plan. This workshop is planned for end of August 2018.

The Lusaka team with Dianne Scott and Maximillian Leighton attended the WaterNet conference in Livingstone in November 2018. An abstract on the story of water in Lusaka authored by Maximillian was presented at the

WaterNet conference.

The 5th and last Lusaka Learning Lab of the year was held early November 2018 to wrap up the year's learning activities. This was done over a 2 day engagement with a tour of the Kafue Gorge. The last day of the Lusaka engagements was a high level breakfast to launch the policy briefs that have been co-produced.

FRACTAL members will then attend a writing retreat in Cape Town. From Lusaka, the embedded researcher and two FRACTAL city partners will be in attendance at the write shop.

Look out for Issue 3 of the City Digest that will highlight Learning Lab 3, the hydropower plant tour and the high level breakfast. Details from the write shop will also be included. The FRACTAL project ends in June 2019.

**For more information about FRACTAL contact the Lusaka Team:**

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