

# LUSAKA CITY DIGEST

## Highlights



---

**FRACTAL** | Future Resilience for African Cities and Lands (FRACTAL) is a transdisciplinary 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).

---

## INNOVATION GRANT | Think tank sessions: understanding the values and perceptions of decision makers for key infrastructure projects in Lusaka

The Bulk Water Project for the development of a pipeline from the Kafue River to Lusaka is aimed at improving access to water by residents and businesses in the city of Lusaka. It is an infrastructure project that was funded using a loan from the Africa Development Bank, the World Bank, the German Development Agency, European Investment Bank and the Government of Zambia. The project is being implemented by Lusaka Water and Sewerage Company.

There are various components to the project. Firstly, submersive pumps are being installed that will increase the abstraction at the Iolanda Plant. This involves also the replacement of pumps that were installed as far back as the 1950s, before independence. The second component is

the laying of a pipeline from Kafue to Lusaka and connecting several households onto the existing grid. This means that new connections will be of a limited number. The third component was outsourced to the People's Process on Housing and Poverty in Zambia (PPHPZ), who were responsible for constructing 800 waterborne toilets for 1000 households in Mtendere.

The preliminary discussions with respondents included representatives from the Multi Facility Economic Zone (MFEZ), Lusaka City Council, Kafue District Council, Shibuyunji District Council, Peoples Process on Housing and Poverty in Zambia. The discussions focussed on the planning and inception phase of the project, covering the engagement process, and prioritization. An

analysis of city documents that covered the project background and the prioritisation process was undertaken in order to understand the underlying pieces of the project. The discussions also tried to assess

how value was determined within the project. The variables that determined value were understood to be finances, technical factors, socio-economic benefits and service provision.



---

## WRITESHOP | Upcoming Lusaka documents and discussion pieces

The Lusaka team travelled to Cape Town to attend a FRACTAL writeshop. Three papers/articles were focussed on.

One paper includes a content analysis of six city documents to try and understand the extent to which climate information was included in the key decision-making documents. Another paper is a case study of the development of the strategic plan and

whether or not climate information was integrated into the document and if so, to what extent. The third paper is an analysis of the impact that FRACTAL has had in the city's decision-making processes. The paper aims to analyse the interface between academia and practice in integrating climate information and building climate resilience in the city from access, generation and use of climate information.

---

## PRESENTATION | Urban Transitions 2018, Spain

An abstract entitled, 'Planning for future resilience in sub-saharan African cities using learning and stakeholder engagement approaches' was developed by the FRACTAL embedded researchers from Lusaka,

Windhoek, Maputo, Harare and Durban. Their work was presented at a session entitled, *Session 25: Social Impacts and Translation* at the [Urban Transitions 2018 Conference](#) in Spain.

## SMALL OPPORTUNITY GRANT | Collaboration on the training of councillors towards integrating climate information into water security action and investment

A call for application of Small Opportunity Grant (SOG) proposals was made by the START organisation. This call was responded to by the University of Zambia, Lusaka City Council and GIZ in Zambia. The motivation for responding was the need to engage the local leadership in matters of water security.

The application will focus on the training of councillors as being part of the process for the development of a water security action and investment plan for the City of Lusaka. FRACTAL project activities in Lusaka are closely linked with the activities in the Lusaka Water Security Initiative (LuWSI). The two projects focus on co-exploring ways of ensuring water security in the Lusaka city region. The two have a joint agreement for collaboration and as such, the University of Zambia and Lusaka City Council (LCC) are part of LuWSI's multi-stakeholder collaborative network. The two projects have shared lessons, ideas, and methods on understanding and preventing future water insecurity in Lusaka.

LuWSI aims to understand the water risks and threats as well as development of quick-win solutions to some of these risks and threats in the water sector. It was formed based on the 2010 water policy which allows the establishment of a collaborative body. It consists of 21 partners drawn from the public sector, civil society, research and the private sector.

This SOG will build on previous FRACTAL and LuWSI project activities and will seek to increase the momentum of the two projects by drawing partners towards practical gains for the city. The SOG seeks to facilitate product delivery and capacity building processes which embed within them reflective learning opportunities for all stakeholders. The focus will be on the

training of councillors, local authority management and a few select Lusaka FRACTAL stakeholders who are key to the water security action and investment planning process. LCC has been leading the Community Engagement and Empowerment Process of developing a water security action and investment plan (WSAIP).

A training workshop for civic leaders from 33 wards in Lusaka on sustainable development was held at Misuku Lodge in Kabwe from 28-31 January 2019. In attendance was the Mayor for the City of Lusaka, His Worship Miles Sampa, the Deputy Mayor, Chilando Chitangala, 31 Ward Councilors, and 8 LCC management staff. The training was facilitated by the consultant hired to conduct a human rights based approach to planning for water security. Facilitation was also done by University of Zambia staff and chairperson of the Knowledge and Advocacy committee, Dr Wilam Nchito. Other facilitators include consultant Max Kharen, Frank Nyoni from Water Resources Management Authority and Dr Christopher Jack from the FRACTAL project. 11 cooperating partners and four from Civil Society Organizations were also present.



Above: Participants at the training workshop for civic leaders in Lusaka

## FRACTAL ANNUAL MEETING | Impact stories

The embedded researchers from Lusaka and Windhoek gave presentations that contained videos on what has been the impact of FRACTAL in the two cities. Notable among the impacts in both cities were:

- The breaking of silos, and partners beginning to engage and collaborate more often than they did before the learning lab processes began.
- There was an increase in mutual respect for the work being done by one organisation as well as deeper understanding of the challenges that institutions faced.

The embedded researchers also had the opportunity to discuss pending work such as the comparative paper for the content

analysis of city documents in Windhoek, Maputo and Lusaka.



Above: Embedded researchers enjoying connecting at the recent FRACTAL writeshop

---

## FRACTAL COLLABORATIONS IN THE CITY | Lusaka Water Security Initiative (LuWSI): developing a water security action and investment plan (WSAIP)

There are three main activities happening simultaneously on the WSAIP project, these are: the hydrological and social economic study; the stakeholder engagement; and the community empowerment and engagement process. The lead partners are Lusaka City Council (LCC), Lusaka Water and Sewerage Company and the Water Resources Management Authority. The Hydrological and Social Economic Study under this process aims at making a case for why investments should be made in water security by determining the baseline regarding water security and giving

scenarios showing how water security would be affected if things remained the same, if nothing was done or if investments were made. The study identifies projects to be undertaken and developed as part of the WSAIP project.

There has also been a Community Engagement and Empowerment Process, which included the four day long Councillors and LCC Management Capacity Building Workshop that was held in January (see above). Engagements with community members in 14 wards have also begun.

## OTHER FRACTAL CITIES | Durban, Maputo, Windhoek, Harare

### Windhoek

Training for Transformational Leadership on Climate Change was held for the City of Windhoek's Strategic Executives team at Heja Game Lodge on 6 March 2019. A range of presentations and activities were facilitated by the FRACTAL team on mainstreaming and dedicated approaches to climate change, 'business as usual' versus 'business unusual' transformative leadership approaches, and exploration of decision-making processes and how these can be structured to include climate considerations.

The Strategic Executives undertook a range of activities to explore how climate change could be mainstreamed into city planning processes and decisions.



Above: Group discussions during the training

### Durban

On 14-15 March the eThekweni Municipality's Development Planning, Environment and Management Unit (DPE&M), in partnership with the Municipal Institute of Learning (MILE), GIZ and Durban Research Action Partnership (DRAP), held a workshop on Organizational Planning for Climate Change. The workshop was attended by DPE&M's senior and middle management, together with their professional Town Planners.

The purpose of the workshop was to use an outcomes based approach to explore how town planners can begin to include climate change (adaptation & mitigation) into their planning processes. It looked at the impact that their planning processes will have on helping to achieve the vision: "By 2030 eThekweni municipality will be Africa's most caring and liveable city". It also unpacked the importance of climate change to our sustainability.

All those present worked on developing a strategic action plan that will assist planners to incorporate climate change into their planning processes. They looked at the key strategic challenges and goals, opportunities, and strategies to include climate change in their planning processes. They acknowledged that whilst they are including climate change in their planning they are falling short when it comes to implementation.

It was acknowledged that similar workshops should be held with other key planning departments and officials in eThekweni municipality and that officials should be focussed on the impact that they are having and not on being territorial over their work. Mr Sbu Ndebele, Acting Head: DPE&M said in his introduction, "Institutions, like municipalities, are known to work in silos. We need to bridge these silos and pull all stakeholders (municipal and non-municipal) together."

The original article was published on 19 March 2019 and can be found [here](#).

## EVENTS

17-19 June 2019 | Windhoek Final Learning Lab  
June 2019 | Blantyre Learning Lab  
19-22 June 2019 | Lusaka Urban Caucus  
30 June 2019 | FRACTAL Project ends  
7-9 October 2019 | [African Climate Risks Conference](#), Addis Ababa, Ethiopia

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

Dr. Gilbert Siame, Principal Investigator, [siamegilbert@yahoo.co.uk](mailto:siamegilbert@yahoo.co.uk), +260979457414  
Ms. Brenda Mwalukanga, Embedded Researcher, [lunela2004@gmail.com](mailto:lunela2004@gmail.com), +260977926743  
[www.fractal.org.za](http://www.fractal.org.za)

