

Local Climate Solutions for Africa 2017: Water & Climate



WATER & CLIMATE 2017

Date: 22 - 24 March 2017

Venue: The Birchwood Hotel & OR Tambo Conference Centre, 14 Viewpoint road, Boksburg, South Africa



Including the official Inaugural Launch Conference of AfriAlliance.



- Water for Cities -

About ICLEI

ICLEI - Local Governments for Sustainability, or ICLEI for short, is the leading global network of over 1,500 cities, towns and regions committed to building a sustainable urban future. We work with a wide range of cities and other sub-national governments in over 85 countries.

At ICLEI Africa, we serve our African members from our offices based in Cape Town, where we work with cities and regions across 23 sub-Saharan African countries. We have a specific focus on urban planning, infrastructure, water and sanitation, climate change and energy, and nature-based solutions. Underpinning these themes, our projects are designed to strengthen local leadership and promote good governance, foster innovative partnerships and enable new finance options. ICLEI Africa's work is conducted by a dynamic and passionate team of professionals that seek to work with cities to ensure a more sustainable future.

About LoCS4Africa

The Local Climate Solutions for Africa (LoCS4Africa) Congress, held under the ICLEI Africa's Urban Leadership for African Sustainability (ULAS) programme, is Africa's leading platform on local climate action for cities and sub-national governments across the Continent. The platform offers opportunity for engagement and strategic discussions around current on the ground solutions and emerging trends relating to Africa's vulnerability to climate change in urban areas.

LoCS4Africa 2017 will explore critical links between climate change and urban water and sanitation in Africa's cities. Globally, only 2% of our planet's water is freshwater, which is fundamental to both human and urban development. Water is THE critical challenge for many of our local governments. African cities, as diverse as large metro's to small towns, are increasingly experiencing challenges of water security, drought and flooding. As such, there has never been a more relevant time for a pan-African congress to move "from dialogue to action" providing on-the-ground solutions, unpacking emerging trends and unlocking financial mechanisms.

About AfriAlliance

LoCS4Africa 2017: Water & Climate Congress is pleased to announce that it will serve as the host platform for the Inaugural Launch Conference of the AfriAlliance innovation alliance. The AfriAlliance Conference consists of different types of interactive sessions which will showcase African research, innovation, policy and capacity development initiatives that are looking for European partners and vice versa, present the AfriAlliance Action Groups and provide the opportunity to help shape AfriAlliance's future activities.

Sub-themes of LoCS4Africa 2017: Water & Climate

Water for Cities

Localizing Integrated Urban Water Management

Provision of water and sanitation services at the local level is pivotal to Africa's urban future, given that African cities are growing exponentially, at a rate that is acknowledged as the highest in the world, second only to Asia. Existing water management systems cannot keep up with the demands that are expected to quadruple over the next 25 years. Concerted efforts are needed by decision-makers to find innovative design solutions to address the existing service delivery backlog, embrace the growing informal settlements whilst extending their infrastructure to address growth and new developments.

Sustainable Sanitation Solutions for Africa's Future

Provision of sustainable sanitation services needs to address the existing backlog in old infrastructure while simultaneously providing innovative services to cater for new urban residents, at the same time ensuring that vulnerable and urban poor communities receive access to improved sanitation services. Cities need to take the lead in reimagining the sanitation sector and transforming service provision in line with water security challenges and the projected impacts of climate change.

Driving Local Climate Action

By 2045, the world's urban population is expected to surpass six billion people, with much of this urban growth occurring in African cities. African cities therefore have much to lose and much to gain from understanding and planning for the impacts of climate change, which affect these urban populations in significant ways. Addressing the causes and impacts of climate change is essential in combating poverty and promoting water security in Africa.

Urban Planning for Water Smart Cities

The rate of urbanisation on the African continent has led to a critical need to alter existing and unsustainable development trajectories in urban areas. In line with growing calls to reimagine urbanism on the African continent, new spatial urban configurations are beginning to emerge. These explicitly recognise that integration, economic growth and spatial transformation are key factors in ensuring sustainability of settlement and growth as hallmarks of African cities. Part of this process is ensuring that sustainable utilisation of water resources and sanitation systems is mainstreamed into urban planning and development processes at the local level.

Accessing Water & Climate Financing for Cities

Africa's percentage of GDP invested in infrastructure is half that of other urbanizing regions of the world. What this means is that Africa is essentially urbanizing when poor, and against the backdrop of rising urban populations, more acute climate change and water stress impacts. Addressing these challenges and building resilience and water security at local government and city level will therefore require greater commitment to critical infrastructure investment as well as investment in social services such as policing, urban planning and education.

Resource Efficient & Resilient Cities

Cities are vast consumers of resources. This, however, presents an opportunity to re-engineer the way we view resources and utilize them to ensure sustained social and economic development. Conventional water thinking has emanated from water secure regions, where water scarcity and drought do not present the same challenges that they do in Africa.

Water for Healthy Cities

The health and well-being of our urban communities is critical for social and economic development. Climate change impacts such as flooding and drought events often place increasing pressure on community health systems. This manifests through increased cases of illness because of water borne diseases, malnutrition and other adverse health impacts. What is needed is proactive, inclusive and integrated planning for the health sector in the context of the water, sanitation and climate nexus.

Day 1: 22 March, 2017



World Water Day



Subthemes



Localizing Integrated Urban Water Management



Sustainable Sanitation Solutions for Africa's Future



Driving Local Climate Action



Urban Planning for Water Smart Cities



Accessing Water & Climate Financing for Cities



Resource Efficient & Resilient Cities



Water for Healthy Cities

***Please see top right corner for theme allocation per session.**

Pre-Congress registration opens on the 21st of March, at 14:00.

08:00 – 09:30

Registration Opens

09:30 – 10:30

Opening Plenary:

LoCS4Africa 2017: Water & Climate (English & French)



The African continent faces many sustainability challenges; but none more critical than the threat posed to the continent's water resources, exacerbated by climate change, burgeoning human populations, aging and inadequate infrastructure, lack of strong urban planning frameworks and uncertain economic development trajectories.

For the first time, African cities and their partners will gather together to seek collective solutions to the challenges. The opening plenary will provide a platform for the welcoming of delegates from host city and partners, reading of goodwill messages from endorsing partners, setting the scene for the LoCS 2017 Congress days ahead and culminate in official opening of the event.

Panellists:

Issaka Garba Abdou - Senior Political Officer: Head ISTC8 Secretariat, African Union Commission

Andries Nel - Deputy Minister of Cooperative Governance and Traditional Affairs (COGTA), South Africa

Uta When - Associate Professor of Water Innovation Studies in Integrated Water Systems and Governance Department at UNESCO-IHE

M. Mmachakga Mpho Moruakgomo - President of the Botswana Association of Local Authority (BALA)

Prof. Coleen Vogel - Professor: Global Change & Sustainability Research Institute, Wits University

Kobie Brand - Regional Director of ICLEI- Local Governments for Sustainability's Africa Secretariat

Dr Sean ODonoghue - Manager: Climate Protection Branch, eThekweni Municipality

10:30 – 11:00

Coffee Break

11:00 – 12:00

Sub-plenary 1:



Redefining infrastructure for Africa's urban future

The urban population in Africa is projected to triple by 2050, increasing to 1.2 billion. While urbanisation presents opportunities for economic growth and expansion, it further exacerbates many of the most fundamental challenges cities in the region are facing in respect to the planning and delivery of improved water and sanitation service delivery.

Existing water management systems lack the capacity to meet the demands from burgeoning urban populations that are expected to quadruple over the next 25 years. Concerted efforts are needed by decision-makers to find innovative design and implementation solutions to these challenges.

Speakers:

Hastings Chikoko (Chair) - Africa Regional Director at C40 Cities Climate Leadership Group

John Faderr - Cities and Climate Change Consultant at the United Nation Human Settlements Programme (UN-HABITAT)

Denis Landenbergue - Freshwater Programme Coordinator at WWF International: Wetland City Accreditation of the Ramsar Convention

Sylvain Usher - Executive Director of Association Africaine de l'Eau / African Water Association (AfWA)

Karen Shippey - Chief Director: Environmental Sustainability, Department of Environmental Affairs & Development Planning, Western Cape Government

Sub-plenary 2:



Cities: Leaders in Developing Climate Change Solutions

By 2045, the world's urban population is expected to surpass six billion people, with much of this urban growth occurring in African cities. African cities therefore have much to lose and much to gain from understanding and planning for the impacts of climate change, which affect these urban populations in significant ways.

During this sub-plenary, thought leaders, from the research, government and legal communities, will share cutting-edge knowledge on the topic of cities and climate change. They will reflect on what has been done successfully as well as challenge us all to continue working towards a more climate resilient future.

Speakers:

Prof. Mathew Glasser - Director: Centre for Urban Law and Finance, South Africa

Prof. Coleen Vogel - Professor: Global Change & Sustainability Research Institute, Wits University

Bruce Hewitson - Professor & Head: Climate Systems Analysis Group, University of Cape Town

Tlou Ramaru - Chief Director: Climate Change Adaptation, Department of Environmental Affairs, South Africa

Andrew Gilder - Climate Change & Carbon Markets Practice Area Leader at ENSafrica

Prof. Carolyn (Tally) Palmer - Professor & Head of Department: Institute for Water Research, Rhodes University

ICLEI is coordinating and assembling a team of practitioners, donors, officials, financiers and academics to lay the groundwork for tackling a specific urban water & climate issue that the municipality is dealing with. We're calling it the 'City Solutions Design Platform' and the outcomes of this process will be presented to the entire congress as part of the closing plenary session.

City Solutions Design Platform

Day 1: 22 March, 2017



World Water Day



Subthemes



Localizing Integrated Urban Water Management



Sustainable Sanitation Solutions for Africa's Future



Driving Local Climate Action



Urban Planning for Water Smart Cities



Accessing Water & Climate Financing for Cities



Resource Efficient & Resilient Cities



Water for Healthy Cities

12:00 - 14:00

Lunch Break

14:00 - 14:30



Plenary:

Inaugural Launch of the AfriAlliance Conference

Be part of the launch of the AfriAlliance innovation alliance on the African continent! AfriAlliance is bridging climate change and water related needs with potential innovative solutions. This session will be chaired and opened by the AfriAlliance Project Director **Dr. Uta Wehn** and includes several inspiring keynote speakers:

Carmen Mena Abela - Head of H2020 Eco-Innovation Sector, European Commission

Barbara Schreiner - Executive Director, Pegasys Institute

Dr. Mandlenkosi Msibi - Group Executive Innovation & Impact, Water Research Commission

Furthermore, in a dynamic fashion, the AfriAlliance consortium partners - **UNESCO-IHE, WE&B, OIEau, WaterNet, ITC UT, INBO, ICLEI, AfWa, Akvo, CSIR, BothEnds, 2iE, WASCAL, WRC, GWP and WssTP** - will introduce themselves, their work and their role in the AfriAlliance project.

14:30 - 15:30

Coffee Break

16:00 - 17:30



Plenary:

AfriAlliance- Showcasing African Initiatives

Learn about innovative African research, technology, capacity development, policy and governance initiatives. In an interactive way, this session will feature several initiatives presented by the below speakers.

Facilitator: **Dr. Jean-Marie Kileshye Onema** - Network Manager, WaterNet & **Dr. Uta Wehn** - Associate Professor of Water Innovation Studies, UNESCO-IHE Institute for Water Education

Dr. Philippe Ker Rault - presenting MAD4WATER (developMent AnD application of integrated technological and management solutions FOR wasteWATER)

Jacent Kamuntu Asimwe - WATERSPOUTT (Developing the next generation of solar water disinfection point-of-use treatment technologies)

Dr. Lothar Schäfer - SafeWaterAfrica (Self-sustaining cleaning technology for safe water supply and and management in rural African areas)

Dr. Saadia Bouhadjar & Ephraim Gukelberger - VicInAqua (Integrated aquaculture based on sustainable water recirculating system for the Victoria Lake Basin)

Louise Stafford - The Nature Conservancy (Water Fund partnership initiatives as mechanism to safeguard urban water supply)

Dr. Manjusha Sunil - WADER (Water Technologies Demonstration Programme)

Kenge James Gunya - WACDEP (Water, Climate and Development Programme)

Lena Heinrich - TAG (Technology transfer initiative for water utilities/service providers in Sub-Saharan Africa)

19:00 - 22:00

World Water Day Congress Dinner

All delegates are invited to attend a Congress Dinner which will celebrate the occasion of World Water Day.

Mayoral lunch (Invitation only)

The LoCS4Africa 2017 Congress will host an exclusive high-level Mayoral discussion, which will convene Mayors from local governments in Africa. The high level Mayoral Luncheon is hosted by ICLEI Africa and facilitated with our partner organisations C40 and UCLG-Africa.

The session will provide local leaders from across Africa with a unique connecting platform to jointly consider and finalise a collective local leadership statement on 'Water for Cities in Africa,' to be presented to the United Nations (UN) and Commission of the African Union Commission as the outcome of LoCS4Africa 2017.



Closed ICLEI Member meeting

ICLEI Member Cities are part of a growing global network, that pioneers local solutions to global development challenges. The network's Mayors and Local Government Heads elect its leadership - for Africa and for the World.

The ICLEI Members Meeting brings together the delegates from Member cities and applicant cities, at the LOCS Congress, for strategic discussions and decisions for the coming years. Please sign up!

City representatives of all current ICLEI members are invited to attend.

Day 2: 23 March, 2017

Subthemes



Localizing Integrated Urban Water Management



Sustainable Sanitation Solutions for Africa's Future



Driving Local Climate Action



Urban Planning for Water Smart Cities



Accessing Water & Climate Financing for Cities



Resource Efficient & Resilient Cities



Water for Healthy Cities

08:00 - 09:00

Registration Opens

09:00 - 10:30

Parallel Sessions A

A1



Smart Solutions for Water & Climate

Monitoring of water is crucial to ensure and improve its availability and quality. This showcase session is focused on Smart Water Management in Africa. You will learn about water and climate monitoring and mapping with the help of mobile devices, tools, sensors and satellites, and how the quality of the data can be verified. A concrete example will come from Ethiopia.

A2

Local Action Planning: Cities & Climate Resilience



Driving climate resilient planning for integrated water management at the local level is critical for improved service delivery and adaptation to the project impacts of climate change. This session serves to explore a number of local planning methodologies and examine some case studies from three cities in Africa.

A3

Cities & Utilities: Making the Link



Water and sanitation utilities at the level of local government are tasked with the delivery of basic services that directly impact human quality of life. This session will explore the impacts of climate change, including severe droughts and flooding, that disrupt the capacity of water and sanitation utilities and, in turn, basic water services to communities.

A4

Urban Natural Assets: Nature-Based Solutions for Rivers (Part 1)



In Africa, water resources, ecological infrastructure and riverine environments have degraded gradually due to increased urbanisation and economic pressures. All cities and human settlements need access to a clean and reliable water source to function and sustain livelihoods. This session will explore ideas on how to develop a guideline on using planning tools and nature-based solutions for optimal utilisation and conservation of urban river ecosystem services for improved sustainability and climate resilience.

A5

Host City Session



The City of Ekurhuleni Metropolitan Municipality covers an extensive area from Germiston in the west to Springs and Nigel in the east in Gauteng, South Africa. It is one of the most densely populated areas in the province, and the country. In this session, we will explore specific challenges and opportunities faced by Ekurhuleni Metropolitan Municipality as an introduction to the City Solutions Design Platform.

A6

FEW (Food, Energy & Water) Nexus



Attempts to satisfy the resource demands of growing urban areas and lifestyles has meant looking ever further afield for supplies - from metropolitan and rural hinterlands, and increasingly at the regional and global level. This fast-paced interactive session will address the connections between food-energy-water using a problem solving methodology.

10:30 - 11:00

Coffee Break

11:00 - 12:30

Parallel Sessions B

B1



Monitoring & Forecasting Efforts & Hands-On with Geodata Catalog Service (Workshop)

In this workshop, hosted by the Faculty of Geo-Information Science and Earth Observation (ITC), University of Twente (UT), you will be introduced to methods for monitoring and forecasting efforts in relation to water and climate challenges.

B2

Cities at Risk: The Value of Data



With rapid urbanisation, existing service delivery challenges and a growing demand for water and sanitation infrastructure to meet the needs of growing populations, cities need access to robust data to effectively plan sustainably at the local level. This session seeks to explore the need for, access to and use of data to effectively integrate into local planning processes to support and enhance sustainable, climate smart, water resilience in our cities.

B3

Green Infrastructure in African Cities



Urban growth and expansion in cities in Africa is happening rapidly. This growth needs to be accommodated through the provision and maintenance of urban infrastructure that meets the need for services by both society and the economy. Join us as we unpack the urban environmental challenges this process has traditionally led to and what can be done to counteract this.

B4

Urban Natural Assets: Nature-Based Solutions for Rivers (Part 2)



In Africa, water resources and riverine environments have degraded gradually due to increased urbanisation and economic pressures. All cities and human settlements need access to a clean and reliable water source to function and sustain livelihoods. This session will explore ideas on how to develop a tool for optimal utilisation and conservation of urban river ecosystem services for improved sustainability and climate resilience.

B5

Resource Efficient Cities



This session will provide municipalities with some insight into practical examples of what can be done by households to save water and how local authorities can encourage this. It will explain the Thrive App, which encapsulates nature-based solutions at the individual level, and can be used by local authorities at no cost across Africa as an educational tool.

12:30 - 13:30

Lunch Break

Day 2: 23 March, 2017

Subthemes



Localizing Integrated Urban Water Management



Sustainable Sanitation Solutions for Africa's Future



Driving Local Climate Action



Urban Planning for Water Smart Cities



Accessing Water & Climate Financing for Cities



Resource Efficient & Resilient Cities



Water for Healthy Cities

13:30 – 14:30



Sub-Plenary 3:

Setting the Themes for New AfriAlliance Action Groups

Africa and Europe face common water & climate challenges. The AfriAlliance Action Groups bring together African and European peers with relevant knowledge, expertise and solutions to tackle water and climate change challenges. The first set of Action Groups was launched in September 2016. Get the chance to help identify, select and prioritize the themes and sub-themes to be addressed by the next set of AfriAlliance Action Groups in this interactive workshop with a World Café style. This workshop will be hosted by **Water, Environment and Business for Development (WE&B)**. The new call for Action Groups will be issued in spring 2018.

Facilitator: **David Smith** - Owner and Director, Water, Environment and Business for Development (WE&B)

Sub-Plenary 4:

Water, Cities & the SDGs

This plenary aims to understand and discuss the interconnectedness between the SDGs (particularly SDG6); as well as the necessity of localising the goals within the city context.

This plenary aims to understand and discuss the interconnectedness between the SDGs; the necessity of localising the goals within the city context and to also unpack how cities can localise implementation of SDG 6 to achieve the global vision.

Facilitator: **Abdoulaye Salifou** - Director of Southern Africa Regional Office of UCLGA

Cecilia Njenga - Director of UNEP Liaison Office in Pretoria, South Africa

Dr. Olusola Ololade - Lecturer: Centre for Environmental Management: University of the Free State State



14:30 – 16:00

Parallel Sessions C

C1



Preparing for Climate Change: New Data Streams, Education & Multi-Stakeholder Interactions

This session, with evidence from Kenya, Ghana and Burkina Faso, showcases a range of initiatives to better prepare for climate change.

C2

Finding Climate Resilient Solutions for Improved Water Management: Examples from Southern Africa

During this session, representatives from Southern African cities will share how they are dealing with water and climate change related challenges, with mutual benefits for service delivery and resilience building. *During this session, the African Water Adaptation through Knowledge Empowerment (AWAKE) project will be launched.*



C3

Wetland Management for Sustainable Water Services Provision in an Urban Environment

Aquatic ecosystems are under increasing pressure, with impacts such as regulation of flow by impoundments, pollution and over-extraction of water, as well as the breakdown of natural bio-geographical barriers all affecting the ecological condition of these resources. This session will address the legislative tools that are available for wetland protection. It will further explore options for improving data availability and then discuss challenges in urban planning around wetlands.



C4

Building Resilience for African Coastal Cities

This session explores how African coastal cities and towns are responding to the challenges posed by climate change, extreme events, water related issues and dwindling natural resources. Particular emphasis will be given to measures that aim to alleviate threats to human life, livelihoods, sustainable economic growth and climate resilience.



C5

Combating Climate Change at the City Level

Historically, adaptation and mitigation have been separated in international policy and finance discussions. This session will explore the co-benefits of an integrated approach to climate adaptation and mitigation, before looking at specific examples of how it can be achieved locally through integrated local planning.



C6

WASH and Health: Transferring Lessons from Rural responses to combat Child Stunting in Low Income Urban Areas

Poor water, sanitation and hygiene (WASH) is a leading risk factor for child stunting worldwide. Empirical evidence across countries has shown that higher open defecation rates are associated with stunting. Most research and programmatic experience in WASH-nutrition is from rural contexts, as such there are missed opportunities to apply this learning to urban settings. This session will shape a dialogue around linkages between WASH and nutrition and particularly what attention needs to be paid to urban high density dwellers in this era of climate variability.



Globally, 663 million people - **1 in 10** - lack access to safe drinking water.

- World Health Organization and UNICEF Joint Monitoring Programme (JMP) (2015)

Day 2: 23 March, 2017

Subthemes



Localizing Integrated Urban Water Management



Sustainable Sanitation Solutions for Africa's Future



Driving Local Climate Action



Urban Planning for Water Smart Cities



Accessing Water & Climate Financing for Cities



Resource Efficient & Resilient Cities



Water for Healthy Cities

16:00 - 16:30

Coffee Break

16:30 - 18:00

Parallel Session D

D1



Showcasing the AfriAlliance Action Groups

AfriAlliance Action Groups are problem-focused communities of practice addressing specific issues in the field of water & climate with innovative approaches and knowledge co-creation. Two out of the five AfriAlliance Action Groups will highlight their activities and progress:

- Arid African Alluvial Aquifers for Agriculture Action Group (A4A), led by Mekelle University
- Integrated Water Resource Management and Ethics, led by Rhodes University

These Action Groups will update you on the local issues they face, how they look to solve them and how to connect them with Europe.

D2

Water for Cities Programme Launch



The Africa Water and Sanitation Local Authorities Network (AWASLA) is leading cities towards a paradigm shift for effective integrated urban water management at the local level. ICLEI Africa, one of AWASLA's founding partners and the host secretariat, will launch the Water for Cities Programme at LoCS4Africa 2017: Water & Climate Congress. This programme serves to support cities through an innovative framework for interventions over the entire water cycle and a re-imagining of the way water is used (and reused). Increasingly, more forward thinking governments, urban planners and water managers are re-examining development processes for municipal water and wastewater services, taking a more trans-disciplinary and integrated approach to urban water management in order to promote sustainability of settlement and growth. Such an approach is in line with global efforts to better reflect the importance of water security and be more responsive to rapidly changing contexts, identifying linkages to other sectors and issues, and incorporating water smart resilient planning into local economic and development processes.

D3

Urbanization and Spatial Planning: challenges and opportunities to work with urban water courses

Wetland ecosystems, including rivers, lakes, marshes, rice fields, and coastal areas, provide a well-defined set of ecosystem services that contribute to human well-being and poverty alleviation. This session will explore challenges, opportunities and resources available for improved water services provision and the links to wetland ecosystem goods and services.

D4

Sustainable Sanitation



It has been suggested that progress towards universal water and sanitation for all citizens can only be achieved through local action, and it is in this space that innovative sanitation solutions must come to the fore if the provision of sanitation is to become an exercise in sustainability, and not a drain on a fragile resource. This session will explore the gateways to finding sustainable sanitation solutions.

19:00 - 21:00

Dinner

City Solutions Design Platform

By 2020, between **75** and **250 million people** in Africa are projected to be exposed to increased **water stress** due to **climate change**.

- United Nations Environment Programme

Day 3: 24 March, 2017

Subthemes



Localizing Integrated Urban Water Management



Sustainable Sanitation Solutions for Africa's Future



Driving Local Climate Action



Urban Planning for Water Smart Cities



Accessing Water & Climate Financing for Cities



Resource Efficient & Resilient Cities



Water for Healthy Cities

09:00 – 10:30

Parallel Sessions E

- E1.1**  **Help Shape the Future of AfriAlliance Activities**
Over the coming four years, AfriAlliance will continue to undertake diverse activities to foster social innovation for water and climate change challenges in Africa. This session provides you with the opportunity to provide concrete inputs and feedback to help shape these future activities.
- E1.2**  **Sustainable WaSH in the Age of Climate Change**
Gain a comprehensive view on climate change implications for WaSH actors and learn about innovative solutions, such as thermal desalination and defluoridation technologies.
- E2** **Building Resilient Communities** 
Green Buildings help to safeguard our water resources through exploring ways to improve drinking and waste water efficiency and management, harvesting water for safe indoor use in innovative ways and generally minimising water use in the sector. ICLEI worked in partnership with the GBCSA to compile Green Building Guidelines for three municipalities in South Africa to encourage the role of local government in resource management for planning and building new infrastructure. This provide information about the Building Efficiency Accelerator (BEA) programme in Africa.
- E3** **Climate Solutions through Integrated Urban Planning and Development** 
In this session, we will discuss the inherent complexity associated with urban areas and the urbanization process, along with how the interrelated challenges of water and climate change exacerbate this complexity. With the majority of the world population living in urban areas, and this trend predicted to continue, this session will focus on the role of cities in addressing the pressure on urban spaces and the rural environments with which they interact and on which they depend.
- E4** **Bridging the Policy Practice Interface** 
This session will focus on how cities can adopt innovative and integrated approaches to policy development in order to become more responsive to the Africa context and to accelerate local implementation. This requires the promotion of participatory approaches across the different spheres of government and active multi-sectoral, multi-disciplinary engagement of key stakeholders at the local level.

10:30 – 11:00

Coffee Break

11:00 – 12:30

Parallel Sessions F

- F1.1**  **Bridging the Innovation Development Gap (Workshop)**
Jointly addressing the challenges in the innovation value chain. Of specific focus in this workshop will be engagement to address the “innovation chasm” for water innovations.
- F1.2**  **Urban Rivers: Linking to the Lost Opportunities (Workshop)**
This interactive workshop, hosted by **AquaLinks** and **Fourth Element**, discusses the challenges of urban rivers in (South) Africa and engages with participants on how to tackle these challenges.
- F2** **City Resilience: Implementing the Sendai Framework at the Local Level** 
Given the rapid urbanization and the increasing concentration of assets in urban areas, it is critical for local governments to develop local disaster risk reduction strategies that are responsive to local challenges. This session seeks to promote comprehensive understanding of the ‘Sendai Framework for Disaster Risk Reduction 2015-2030, its implementation at the local level, and to provide a platform for sharing good practices and lessons.
- F3** **Water Sensitive Urban Design - Moving Cities Towards Resilience** 
Water security is increasingly a matter of major concern, and a fresh approach to the planning, design and implementation of systems that would improve the use of water with regard to its consumption and quality is required. This session will look at the ways in which Water Sensitive Urban Design could offer a means of facilitating a transition to water sensitive cities, thereby creating the potential to: mitigate the negative effects of water scarcity; manage and reverse water pollution; develop social equity; develop intergenerational equity; increase sustainability; and develop resilience to natural disasters and climate change within water systems.
- F4** **Unlocking Water & Climate Financing for Cities** 
Without fail, sustainability targets such as the SDGs for countries and cities come with significant financial and fiduciary implications. The scale of the requisite financial commitments and investments targets can be overwhelming for local governments and donors alike; with the World Bank estimating in 2017 that financing the SDG sub-targets for water supply and sanitation alone will cost an estimated US\$114 billion per year between now and 2030. This session will discuss the urgency for African cities and subnational governments to address access to water and climate financing in light of the rapid rate of urbanization in Africa, a historically poor ratio of capital infrastructure investment to gross domestic product (GDP), and more acute climate change and water stress impacts.

12:30 – 13:30

Summary & Outlook Plenary

The closing plenary will summarise key outputs and highlights from the congress, including the roll out of the City Solutions Design Platform and the Water for Cities Programme.

13:30 – 14:30

Lunch & Departure

Partners in Action



The 'Sustainable Urban Resilient Water for Africa: Developing Local Climate Solutions' project is part funded by the European Commission Project Reference DCI-NSAPVD/2012/303-795.

The AfriAlliance project is funded by the European Union's Horizon 2020 Research and Innovation Programme under grant agreement No. 689162.

The UNA Rivers programme is funded by the Swedish International Development Cooperation Agency (Sida) through SwedBio at the Stockholm Resilience Centre.