

Public Bicycle Sharing (PBS) Systems Regional Knowledge Exchange for African Cities

Monday 8 – Thursday 11 October 2018, Nairobi, Kenya

AGENDA

Last updated 30 September 2018



1. Summary

Public bike share (PBS) systems around the world have provided critical links to transit, jobs, and other destinations; expanding the transportation network of cities and connecting people to new opportunities.

Over the past five years, global bike share growth has been astounding. Over 1,600 bike share systems—station-based, dockless, and hybrid systems, both publicly and privately operated— are now operating worldwide, up from about 700 systems in 2013. And more systems are launching every day as cities understand the opportunity bike share presents to shift travelers away from private car use, and to help meet broader climate, health, economic and other goals.

Africa's first bike share program—Medina Bikes—launched in 2016 in Marrakesh alongside the 22nd Conference of the Parties (COP22) climate change conference. A year later, the University of Nairobi (with support from UN-Habitat) implemented a system that features one central station with 20 bikes and is geared toward students and staff traveling around campus. Cycling has gained popularity in Cairo, as well, where the government, in coordination with UN-Habitat, approved a three-year funding scheme for bikeshare in July 2017. Also in 2017, the United Nations Offices in Nairobi in partnership

with UN Environment launched a campus wide bike share of 100 bikes provided by Mobike aimed at staff and visitors to the compound. Bike share schemes are also being planned in Addis Ababa, Cairo and Lagos.

Following on from the global expansion of PBS Schemes and the recent introduction into the Africa market, this study tour will bring stakeholders together from African cities to build capacity and gain insight into public bike share.

2. Objectives

The purpose of the study tour will be to:

- Gain insights on the practical and technical aspects of operating a PBS program in Africa, potential challenges, and lessons learned in implementing a PBS System.
- Give participants the opportunity to understand how PBS systems fit into a wider context of emissions and traffic reduction, environment benefits, promotion of non-motorized transport (NMT), the policy context and urban and city planning.
- Give participants the opportunity to discuss PBS system implementation (in terms of feasibility, planning, operations, revenue generation, opportunities for tourism and beyond) with technical partners such as UN Environment, UN Habitat, the Institute for Transportation and Policy Development and government officials in Africa who are also considering PBS system implementation.
- Visit two bike share systems in operation in Kenya. The first at the University of Nairobi (35 bikes) and the second at the United Nations compound in Nairobi (100 bikes). The systems in use by both programs differ based on the target demographic, range of use, and existing transport infrastructure.

3. Contact Details

Carly Koinange, carly.koinange@un.org, +254 701 659 562, UN Environment
Michelle DeFreese, michelle.defreese@gggi.org, Global Green Growth Institute

3. High level itinerary

Monday 8 October 2018, Conference Room 3, United Nations Offices in Nairobi, UN Avenue, Gigiri, Nairobi – Global and African Context

- The first day will include a visit to see the United Nations Offices bike share system in Nairobi. Participants will meet with the system operators and users in order to gain a better understanding of how the PBS concept works in practice. As well as meet with representatives from UN Environment Programme and UN Habitat to understand bike share in the context of sustainable mobility and urban planning.

Tuesday 9 October 2018, Nairobi Safari Club Hotel, Koinange Street, Nairobi – Technical Workshop

- Look more in depth at the necessary steps to design, implement and operate a PBS system including discussions with the Institute for Transportation and Policy Development (ITPD), UN Environment Programme, UN-Habitat, University of Nairobi, Makerere University and government officials from across Africa

Wednesday 10 October 2018, Nairobi Safari Club Hotel, Koinange Street, Nairobi – Technical Workshop and I-Hub, Senteu Plaza, Kilimani, Nairobi – A Conversation with the Private Sector

- Continuation of the technical workshop. With the addition of a session bringing city officials and private sector together.

Thursday 11 October 2018, University of Nairobi Towers, Main Campus, 4th Floor, Room 404, University Way, Nairobi

- The final day will include a visit to the Nairobi bike share system. Participants will see how the system is organized, operated, and managed in person.

Day One, Monday 8 October 2018, Conference Room 3, United Nations Offices in Nairobi, UN Avenue, Gigiri, Nairobi – Global and African Context

Facilitator – Carly Koinange, Global Lead, Share the Road Programme, UN Environment



8.00am

Registration

Arrival for security processing and registration. *Please give yourself a minimum of 30 minutes to clear security.*



9.00am

Welcome Remarks

- Michelle DeFreese, Senior Green Growth Officer, Global Green Growth Institute (GGGI)
- Name tbc, Senior Leadership Team, UN-Habitat
- Ligia Noronha, Director, Economy Division, UN Environment



9.40am

Panel – Global Perspectives

Public bike share is taking the world by storm, but how does this growing phenomenon fit into the wider context of urban planning and sustainable mobility? *Ten-minute presentations from panelists followed by a Q&A.*

- GGGI Africa city strategy & projects - Okechukwu Daniel Ogbannaya, Country Representative, GGGI
- Mobility, the environment and air quality – Rob De Jong, Head, Air Quality & Mobility Unit, UN Environment
- Urban planning and public bike share - Debashish Bhattacharje, Lead, Urban Mobility, UN-Habitat



10.40am

Break



11.00am

Hot Seat Session – The Africa Context

We know public bike share works as an urban mobility solution, but it has not been proven in Africa yet. What contextual challenges and opportunities do we need to plan for? *This is a hot seat session with two permanent panelists and one empty “hot seat”. Any participant can take the hot seat and give their thoughts for 5-minute periods.*

- The bike share revolution; what is happening globally and in Africa? How is the bike share model changing? - Chris Kost, Africa Director, Institute for Transportation and Policy Development (ITDP)

- Challenges and successes in developing the Non-Motorized Transport Policy for Nairobi – Henry Ochieng, Chief Executive Officer, Kenya Alliance of Resident Associations

- Hot Seat – **will you join the session?**



12.30 pm

Lunch



1.30 pm

Site Visit *Convene at the blue “KARIBU” sign, main roundabout*

Take a ride on the UN compound bike share scheme. Hear from the project team about the operations of the scheme - Led by Talia Owen- Frigyik, United Nations Offices in Nairobi Facilities Management Team.



2.30 pm

Group Photograph



2.45 pm

Break

Facilitator – Rahab Mundara, Mobility Expert, UN-Habitat

Spotlight on Cairo

The government of Cairo (in co-ordination with UN-Habitat) approved a three-year funding scheme for bikeshare in July 2017. The Technical Advisor to the Governor will share his experiences so far in getting ready for operation and building a cycling culture in Cairo. Followed by a Q&A.

- Khalil Shaat, Technical Advisor to Cairo Governor-Public Bike Share, Egypt



3.00 pm

Panel – City Actions

Cities across Africa are starting to prioritize non-motorized transport, including planning for public bike share. Panelists will share the vision for their cities and challenges and successes to date. Also find out about cities joining the global air quality campaign – Breath Life. *Ten-minute presentations from panelists followed by discussion*

- Stephen Sule, Head of City Planning Department, City of Kisumu, Kenya
- Birhanu Woldeyohannes, Programs Management Office, Addis Ababa City Government Transport, Ethiopia
- Emmanuel John, Director of Administration and Strategy, Transport Growth Initiative, Nigeria
- Soraya Smaoun, Air Quality Co-ordinator, UN Environment



03.45 pm

Closing Remarks

Michelle DeFreese, GGGI and Carly Koinange, UN Environment



4.45-5.00pm

Day Two, Tuesday 9 October 2018, Nairobi Safari Club Hotel, Koinange Street, Nairobi – Technical Workshop

Facilitator – Michelle DeFreese, Senior Green Growth Officer, Global Green Growth Institute (GGGI)



08.00 am -
08.30 am

Registration

- Arrival and registration



08.30 am -
08.50 am

Welcome & Introductions

- Welcome and introductions - Michelle DeFreese, GGGI
- 'The bus' opening activity: get to know each other a bit better – Carly Koinange, UN Environment



08.50 am -
09.15 am

Technical Session - Planning for a Bike Share System

Explore and discuss system features, bicycle design, stations & dockless systems, target user groups, payment mechanisms, information technology and redistribution.

- Led by Maina Gachoya, Institute for Transportation and Policy Development (ITDP)



09.15 am -
11.00 am

Site Visit

Plan for a bicycle sharing coverage area, station placement and system mapping in Nairobi Central Business District.

- Led by the ITDP team



11.00 am -
11.15 am

Break



11.15 am -
12.45 pm

Group Work

Follow on from the site visit; group desk work, group presentations and discussions

- Participants (led by ITDP team)



12.45 pm -
01.45pm

Lunch



01.45pm -
02.15pm

Technical Session – Business Models

Explore and discuss capital costs, revenue sources, service contracting (service level agreements and tendering) and user pricing.

- Led by ITDP team



02.15pm -
03.15pm

Panel – Lessons Learned from Financing a Bicycle Sharing System

Hear from the experience of existing bike share systems. *Ten-minute presentations from panelists followed by discussion.*

- Bike share models overview - Tanya Castle, Business Development Manager, PBSC Urban Solutions
- Case study from Berlin - Jhon Ospina, International Business Development Manager, Next Bike (via skype)
- Case study from Cologne - Christian Leitow, Cycling Office, City of Cologne. (via skype)



03.15 pm -
03.30 pm

Break



03.30pm -
04.45pm

Group Work

Developing a pricing and financing plan for participant cities, including group presentations.

- Participants (led by ITDP team)



04.45 pm -
05.00 pm

Closing Remarks

- Michelle DeFreese, GGGI



07.00 pm -
09.00 pm

Social Event

Group Dinner (self-funded). Please contact carly.koinange@un.org for details if you wish to join.

Day Three (Morning), Wednesday 10 October 2018, Nairobi Safari Club Hotel, Koinange Street, Nairobi – Technical Workshop

Facilitator – Michelle DeFreese, Senior Green Growth Officer, Global Green Growth Institute (GGGI)



08.00 am -
08.30 am

Registration

Arrival and registration



08.30 am -
09.15 am

A Conversation Between Cyclists

Listen in (and ask questions) as three cyclists talk about their experiences and how bicycle networks should be planned.

- Cyprine Mitchell, ITDP Africa and Critical Mass Nairobi
- Amanda Ngabirano, Urban Planning Lecturer, Makerere University



09.15 am -
10.15 am

Site Visit

Explore the local walking and cycling infrastructure

- Participants (led by the ITDP team)



10.15 am -
10.30 am

Break



10.30 am -
11.30 am

Group Work

How would you design a bicycle lane? Including group presentations.

- Participants (led by the ITDP team)



11.30am -
01.00pm

Technical Session – Cycling Culture

Building a cycling culture – how can we achieve transformative change in unfriendly environments? Explore topic such as power of stakeholder engagement, infrastructure is not enough, awareness and behavior change, transition experiments and marketing.

- Led by Stefanie Holzwarth, Urban Mobility Unit, UN-Habitat



01.00pm -
02.00pm

Lunch

Day Three (Afternoon), Wednesday 10 October 2018, I-Hub, Senteu Plaza, Kilimani, Nairobi – A Conversation with the Private Sector Facilitator – Amanda Ngabirano, Urban Planning Lecturer, Makerere University, Uganda



02.00pm -
02.30pm

Bus

To take participants from Nairobi Safari Club Hotel to the I-Hub.



02.30 pm -
03.00 pm

Registration

Arrival and registration



03.00 pm -
03.05 pm

Welcome Remarks

- Amanda Ngabirano, Makerere University, Uganda



03.05pm -
03.45pm

Lightning Talks

Cities from across Africa will give five-minute visual presentations on their plans and hopes for bike share in their cities. *Hear from Rwanda, Egypt, Ethiopia, Nigeria, Kenya and Uganda. Followed by a Q&A.*



03.45pm -
05.00pm

Panel – Private Sector Perspectives

What are the current plans for public bike sharing companies in Africa? What are the priorities, opportunities and challenges? This session will feature 15-minute presentations by private sector representatives on their current projections and plans for the African market. Followed by a Q&A.

- **Uber** - Cezanne Maherali, Public Policy East Africa
- **Mobike** - Luke Schoen, Global Communications Lead
- **PBSC Urban Solutions** – Tanya Castle, Business Development Manager



05.00 pm -
06.00 pm

Social Event

Networking; an informal opportunity to interact and exchange.

Day Four, Thursday 11 October 2018, University of Nairobi Towers, Main Campus, 4th Floor, Room 404, University Way, Nairobi
Facilitator – Charles Katua, Bike Share Project Manager, C4D Lab, University of Nairobi



08.00 am -
08.30 am

Registration

Arrival and registration



08.30 am -
08.45 am

Welcome Remarks

- Professor Winnie Mitullah, Director, Institute for Development Studies, University of Nairobi



08.45 am -
09.15 am

Presentation

What does the research show on Non-Motorized Transport and public bike share in Africa? With time for Q&A.

- Romanus Opiyo, Researcher. University of Nairobi



09.15 am -
10.15 am

Site Visit

Try out the University of Nairobi bike share scheme and hear from the project team on the challenges and successes.

- Led by Charles Katua, Bike Share Project Manager, C4D Lab, University of Nairobi



10.15 am -
10.30 am

Break



10.30 am -
11.30 am

Group Discussion/Planning

Final discussion and action planning

- Participants (led by Michelle DeFreese, GGGI)



11.30 am -
12.00 pm

Closing Remarks

- Michelle DeFreese, GGGI

Resources

- Inventory of Sources of Air Pollution in Rwanda, Rwanda Environment Management Agency (REMA)
- The Bike-Share Planning Guide, The Institute for Transportation and Development Policy (ITDP) www.bikeshare.itdp.org
- Rwanda Concept Paper for Development of Walking and Cycling Facilities for Urban and Semi-Urban on Classified National Road Network of Rwanda, Ministry of Infrastructure (MININFRA)
- UN Environment Share the Road Non Motorized Transport design guidelines for Africa <https://www.unenvironment.org/resources/manuals-and-guides/share-road-design-guidelines>
- Streets for walking & cycling; a guide for designing for safety, accessibility, and comfort in African cities. <http://africa.itdp.org/wp-content/uploads/2018/07/ITDP-Streets-for-walking-and-cycling-Manual-180718-2.pdf>
- Bike Sharing System Mapping (World Resource Institute and Financing Sustainable Cities Initiative) <http://financingsustainablecities.org/explore/solutions/bike-sharing-scheme>