



Africa Sustainable Urban Mobility Course, Abuja

“Building the Capacity
of Stakeholders,
Towards Urban Mobility
Reform in Africa”

Report of
Maiden Edition Held
24th - 30th November, 2019
Inside



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Ochenuel Mobility

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Our Vision

To lead in building the capacity of stakeholders on sustainable urban mobility in Africa

Objectives

To upscale knowledge, develop passion and networking opportunities for actors towards urban mobility reform in Africa through:

- *Dedicated annual course*
- *Customized training and dialogues for cities*
- *Creation of a repository of sustainable urban mobility experts*
- *Publicity and publications*

Acknowledgment

The Maiden Africa Sustainable Urban Mobility Course was made possible through the support and collaboration of Transformative Urban Mobility Initiative (TUMI), UN Habitat Mobility Division, Urban Pathways, Institute for Transport and Development Policy (ITDP) Africa, Transportation Growth Initiative (TGI) and National Open University of Nigeria (NOUN) Headquarters, Abuja. The support of each of these is acknowledged and we are grateful. Similarly, the effort of Eastern Alliance for Safe and Sustainable Transport (EASST), UK which did not eventually work out is also acknowledged.

Testimonials

“It was a wonderful experience, this is the training that Africa needs, we should make sure we bring decision makers from across Africa in the next edition and subsequently, that way we can change mind-set and change urban mobility in Africa, Thank you Emmanuel for the initiative.”



- **Amanda Ngabirano**, *Lecturer, Makerere University, Kampala, Uganda and Vice President, World Cycling Alliance*

“This program changed my whole perspective about urban mobility, the content was not only enriching but practical enough to guide us towards a change; Africa Sustainable Urban Mobility Course is it, thanks to the Organizers.”



- **Mr Harisu H. Jani**, *Assistant Director (Mass Transit), Federal Capital Territory Transport Secretariat, Abuja, Nigeria*

“The Course is rich, impacting and full of knowledge. Some of the topics delve into my thought of clear cut safety on the roads being a one time accident victim, and the knowledge on the use of intelligent transport system for accident prevention is wonderful and apt.”



- **Mr Abdulazeez M. Sanusi**, *Chief Town Planning Officer, Bauchi State Urban Planning and Development Board, Nigeria, and a road crash lone survivor where 14 died among which are 12 of his family members including his wife and daughter.*

“The course is amazing, we need more people to learn about this, so we are already preparing for next year. With what we have learnt from here this week, we will make changes to mobility systems in our cities through our organization.”



- **Ing. (Mrs) Akua Sakyibea Vander Pallen**, *Chief Engineer and Transport Planner, Department of Urban Roads, Accra, Ghana*



“This is one great training I have attended and am glad to be a participant, I have commenced serious discussions with our top management to implement some of the initiatives learnt, especially the 10 principles of sustainable transport as solution to improving Lagos traffic, in line with the THEMES Agenda of the current Administration in Lagos State.”

- **Engr. A.G Toriola**, *Director, Transport Operations, Ministry of Transportation, Lagos State, Nigeria*

“Thanks for the Abuja SUM Course you brought our way. The SUM Course was highly enriching and professionally developmental. It brought to fore best transportation practices as well as attendant challenges from a global perspective. It was inspirational, interactive and intellectually stimulating, identifying possible transport policy directions to embrace for the now. It was multidimensional in content and context - infrastructure, environment, sustainability, artificial intelligence (AI), risk assessment, economics, etc. I look forward to being a part of the next edition. Great Summit.”



- **Reynolds Shodeinde, CMILT**, *Assistant Director, Chattered Institute of Logistics and Transport UK, Nigerian Chapter, Abuja Nigeria*

SPEECH BY THE EXECUTIVE SECRETARY OF THE FEDERAL CAPITAL DEVELOPMENT AUTHORITY (FCDA), ENGR UMAR GAMBO JIBRIL AT THE MAIDEN EDITION OF THE ANNUAL AFRICA SUSTAINABLE URBAN MOBILITY COURSE, ABUJA HOLDING AT THE NATIONAL OPEN UNIVERSITY OF NIGERIA ON 26TH NOVEMBER 2019

It is my pleasure to welcome you to the Nigeria capital city, the pride of Africa, Abuja. It is a thing of joy to see every one of you from your respective countries gathered here for a week-long training geared towards urban mobility reform in cities of Africa and I do hope that you are already having a rewarding time since your arrival.

Already, Africa is confronted with enormous challenges limiting its pace of development; from poverty, to disease, infrastructure deficits and a host of others requiring strategic actions to which capacity development is key. Transportation as major enabler of socio-political and economic development requires continuous innovations to cope with the dynamics of the changing world, therefore, it is critical to develop appropriate human resource expertise that is adequate to meet the need. It is on that note that I congratulate the organizers of this noble training for their foresight to put Africa on the map of continents whose mobility systems are developing sustainably.

I have heard a quote from a renown American compatriot, Henry Ford who said, “America did not build roads because it is rich, rather, America is rich because it built good roads” it is on that basis that, as the builders of Abuja, the FCDA is engaged in the provision of infrastructures



Engr Umar Gambo Jibril
The Executive Secretary
Federal Capital Development Authority (FCDA)

including excellent road networks with continuous maintenance and expansions to ensure smooth traffic flow. This has become a reference point for federal capital city development across the world and we are proud of it. We have also continually collaborated with different departments responsible for other parts of transportation development with successes to our credit. These are evident in the completion of the Abuja Metro, development and expansion of inner city roads which are ongoing and many more.

Ladies and gentlemen, African mobility experts, let me inform you that we agreed to collaborate with the organizers of the course because the content of it aligns with our vision for a sustainable capital city. We are working with other relevant authorities to upgrade public transport system across the city including a BRT in the near future. We are also considering the expansion and clearing of pedestrian walkways including elevated walkways to enhance walkability. No doubt, we look forward to providing infrastructures that make cycling safe as these are key to accessibility and sustainability of our transport system in the beautiful city of Abuja.

Let me at this point, therefore urge you to pay careful attention to the training content and experts and ensure that your departure from this event should mean not only added value to your knowledge but more importantly to the work you do in your various cities. On our part we shall ensure that the knowledge acquired by our personnel participating in this course is expeditiously put to use in the ongoing and future development of Abuja urban mobility, we also hope to keep the relationship with the organizers to draw from their wealth of knowledge in ensuring that Abuja fulfil its vision of a competitive city that is the pride of all Africans. Once again I thank the organizers, Ochenuel Mobility and its partners for the event and for inviting me, I look forward to hosting you in my office tomorrow and to take you on a tour of transport infrastructure in the capital city.

I wish you a pleasant stay in the beautiful city, enjoy the food, the warmth, the culture and please do have fun.

Thank you for having me

WHY AFRICA SUSTAINABLE URBAN MOBILITY COURSE?



*Cross-section of Participants
Maiden Africa Sustainable Urban Mobility Course*

The need to reform urban mobility in African cities has never been so obvious than now when different challenges confronting our cities are being further complicated by non-sustainable systems. This is why inclusive planning of urban mobility systems and creation of sustainable platform for implementation of best practices has become a critical need in order to mitigate its impact on resident's quality of life, and indeed, everyday functioning of our cities. Whereas, a greater majority of countries in the developed world have since realized the concern with current mobility practices and are re-engineering systems, changing mind-set and developing new culture in sustainable mobility, Africa and the rest of the developing world lag behind. It was in this regard that the Africa Sustainable Urban Mobility Course was conceived and developed as an annual human capacity development program, which is one of the sustainable urban mobility initiatives of Ochenuel Mobility.



Engr. Umar (Middle), FCDA Management Staff, Some Course Facilitators and Cross-section of Participants during the visit to FCDA.

THE CHALLENGES WITH TODAY’S MOBILITY IN AFRICA

African cities are confronted with sustained motorization with consequences in form of traffic congestions that waste man hours in traffic, road crashes, air and noise pollution, urban space that has been largely taken over by cars and traffic indiscipline. We are also confronted with limited resources that cannot cater for expansions, acquisition and implementation of transport technology enhancements, organized public transport systems and electrification to mitigate the consequences of motorization.

Furthermore, we are confronted with huge population growth and urbanization without human and resources capacity to cope with the demand for transport efficiency, which have resulted in continues growth of informal transport systems coming along with their challenges.

The overall implication is the general deterioration of the quality of life, increase in poverty, and shortened life expectancy of citizens. These challenges cannot be adequately address without the right kind of knowledge by appropriate stakeholders responsible for the change we desire.



(L-R, Front) Mrs. Zaliha'u Ahmed, Rep FCDA Exec. Sec., Mrs. Iduseri Emilly, HOD Environmental Sciences NOUN, Mr. Felix Edoke, Registrar NOUN, Mr. Jelani Aliyu, DG NADDC, Dr. Adeyemi Omidiji Exec. Sec. TGI, Engr. Emmanuel John, Course Cord. with Participants

THE KNOWLEDGE GAP THAT THE COURSE SEEK TO FILL

There is obviously a wide knowledge gap between what currently obtains and what should be in the development of sustainable urban mobility, for instance current projects being implemented does not suggest adequate knowledge by policy makers and implementers. In addition, most cities of Africa hardly have urban mobility policies, where it exist, it's only a component of other policies and are hardly given attention. Most regional governments or States don't even have ministries of transportation, talk more of urban mobility. Worst still, unlike the developed world and especially Europe where urban mobility curriculum are being developed and thought as distinct courses in Universities and there are several long and short courses for bridging the Knowledge gap, Africa and most countries in the developing world do not have these.

Furthermore, different development partners such as UN Habitat Mobility Division, UN Environment Share the Road, the World Bank Africa Sustainable Transport Program, amongst others are trying their best in knowledge sharing through conferences and

workshops, but are largely concentrated on federal authorities which have no prerogative for urban mobility development, or are concentrated in one or two large cities in a country; like Nigeria, it's all about Abuja and Lagos. As a result, little progress are being made in these cities but the entire urban areas of the other cities of the country are left without knowledge and, hence, no noticeable effort to reform mobility.



*Mr. Jelani Aliyu, DG NADD
Delivering his Keynote Speech*

OUR TARGET AUDIENCE

The course aims to build the capacity of:

- Policy & decision makers,
- Regulators, law enforcers and law makers
- Mobility project implementers, engineers, consultants, urban planners and architects
- Transport and mobility researchers & academics,
- Advocates and advocacy groups
- Commercial transit & taxi operators and businessmen/investors
- urban and transportation planners seeking to broaden knowledge or specialize on urban mobility



Mr. Joop Goos, Executive Int'l Consultant, Goos Consultancy Netherlands and Former President International Road Safety Organization Presenting his Paper.

This will enable our cities develop and implement appropriate policies, programs and investments in a manner that meets the goals of the SDGs and the New Urban Agenda. All participants must possess a minimum of BSc, HND or Diploma or equivalence from recognized academic institutions anywhere in the world. The course is offered in English with a possible French interpretation

COURSE CONTENT AND DELIVERY

The course content is drawn from a wide range of global indicators, local challenges and experiences of actors in the industry, and the need to align with the best practices that meets local needs. This is broken down into 14 modules that are intended to be updated each year:

- **Module 1:** Introduction to Sustainable Urban Mobility
- **Module 2:** Problems of Urban Mobility
- **Module 3:** Transport & Climate Change: Best Practices
- **Module 4:** Urban Public Transport System
- **Module 5:** Non-Motorized Transportation
- **Module 6:** ITS, SUM Infrastructure and other Systems
- **Module 7:** Transport electrification and technology enhancements

- **Module 8:** SUM Financing, Business Opportunities & Investment models
- **Module 9:** Transportation/Traffic Safety and Security
- **Module 10:** SUM Policies, Regulations & Enforcement
- **Module 11:** SUM Research, Data Management
- **Module 12:** Advocacy and Public Engagements
- **Module 13:** Parking and parking reforms
- **Module 14:** Transport digitization and smart cities



Amanda Ngabirano, Lecturer Makerere University, Kampala, Uganda and Vice President World Cycling Alliance Delivering her Paper.

Each module contains between two to four topics. The week-long intensive course features in-depth analysis of global transport and mobility trends and indicators, exclusive case studies of dynamic trends in cities as innovations evolve from year to year and business models, dialogues sessions, excursions, practical hands on experiments and much more.

FACILITATORS

Facilitators are drawn from local and international academic

institutions, government authorities, practicing experts and development partners such as the Transformative Urban Mobility Initiative (TUMI), UN Habitat Mobility Division, Institute for Transport and Development Policy (ITDP), Africa Sustainable Transport Policy Program (SSATP), Easter Alliance for Safe and Sustainable Transport (EASST), amongst others.

THE MAIDEN EDITION OF THE AFRICA SUSTAINABLE URBAN MOBILITY COURSE

The maiden edition of the Africa Sustainable Urban Mobility Course held successfully from 24th to 30th November, 2019 at the National Open University of Nigeria ultra-modern, post graduate lecture theater, University Village, Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi, Abuja, Nigeria.

The program had 35 participants from Ghana, Uganda, Benin Republic, Kenya, Netherlands and Nigeria, this includes 23 registered participants, 11 facilitators and CEO/Personnel of Government institutions invited to grace sessions relevant to their mandate. This first edition focused on modules 1-12 above with a total of 27 high quality technical and operational papers presented by 5 international speakers and select local facilitators. It was a highly electrifying interactive program which participants curiosity put lecturers on their toes throughout the sessions. There was exclusive case studies of SUM practices from Dar Es Salam, Cairo, Accra, Kumasi, Abuja , Lagos, and an expository cycling expedition of Amanda Ngabirano in Kampala Uganda.



Visit of Participants and Their Guests to the Host University Management.

Whereas our target was to have 30 participants in the course that spreads across the five regions of Africa, we were able to get 23 participants from 2 regions. However, the quality of participants is amazing, for instance, of the 14 participants from Nigeria, 5 are Directors of Transport or Engineering Services from Abuja and 3 other States, 1 is a lecturer while the rest are very senior officials from government institutions, professional and regional transport related bodies, this is similar with our 9 foreign delegates. As a first experience, we think this is a success.



ACTIVITIES

Different activities took place in the course of the week, this were intended to enhance knowledge, create social interactions and build cohesion among participants. These activities include:

Visits

Two keynote speeches were delivered in the course of the program. First was when participants received the Director General of the National Automotive Design and Development Council



(NADDCC), the famous Auto Designer, Mr Jelani Aliyu, who gave a keynote speech on transport electrification in Nigeria, which is one of the critical topics in the Course. In his speech, Mr Aliyu congratulated and commended the organizers for creating this dialogue platform which he said was critical to upscaling positive development especially on electrification of vehicles and other technology enhancements that will enable Nigeria and Africa catch up with the rest of the world, he highlighted efforts of the NADDCC in setting the stage for vehicle electrification, local vehicle manufacturing at affordable rate to reduce dependency on used vehicles in Nigeria, amongst other important steps.



Participants on a Field Walk

The second keynote was when participants received the Executive Secretary of the Federal Capital Development Authority (FCDA), Engr Umar Gambo Jibril, whose written speech is published on page 4 of this report. Represented by the Director Urban and Regional Planning, Mrs Zaliha'u Ahmed, Engr Umar expressed appreciation and readiness to collaborate with the organizers of the course.



*Claire Birungi, ITDP Kampala, Uganda
During Interactive Session with FCDA Mgt.*

The visit of the keynote speakers coincided with participants' visit to the Vice Chancellor of the host University, and they joined the visit to Professor Abdalla Uba Adamu who was represented by the University Registrar, Mr Felix Edeka, who was delighted to receive the participants and their guests, noting that it is the culture of the University to collaborate with organizations engaged in national and international intellectual discuss as Africa Sustainable Urban Mobility Course and will hence continue to leave its doors open for any form of support that will ensure the continuity of the program,



Miss Mabel Madu, the Faculty Officer, Faculty of Sciences NOUN, Engr. Emmanuel John, the Course Coordinator and Ing. (Mrs.) Akua of Department of Urban Roads, Accra Ghana During the Closing Session

Field Trip

Participants and facilitators were taken on a field trip round transport infrastructure in the city of Abuja. The tour was facilitated by the Federal Capital Development Authority, this availed participants the understanding of the transport infrastructure and system of Abuja, past efforts and future plans.

Field Walk

Participants also took a field walk around the city to understand the transport complexities vis a vis facility provisions for pedestrians, this was along Apo Legislative Quarters and Gudu areas. While they commend the ecstatic infrastructure provisions, they noted that simple modifications and recovery of cycle parts could mean a lot to safety and attractiveness of the city to cyclists and pedestrians.

Courtesy visit to the Executive Secretary, FCDA

There was courtesy visits to the Executive Secretary and management of the Federal Capital Development Authority, the builders of Abuja on the 3rd day of the Course, the visit avail participants the opportunity to watch a video of the making of Abuja with transport systems as a component, it also avail participants opportunity for interactions with the city authority led by the Executive Secretary, Engr. Umar Gambo Jibril, who answered questions bothering on the state of transportation system in the



Engr. Umar, ES (FCDA), Engr Emmanuel, Course Coordinator, Mr Joop, A Lead Facilitator, Dr. (Mrs.) Iduseri, HOD Environmental Sciences NOUN During the Visit to FCDA.

capital city. Engr Umar again re-emphasise his managements commitment to support the course and particularly open to ideas that will make the next edition even more successful.

OBSERVATIONS

Participants and presenters alike had a single voice on the various issues raised in the course of the week-long program. Specifically, it noted the following;

- a. Africa is long overdue for this kind of detailed training program rather than relying on the general presentations in workshops and conferences.
- b. The training content, presenters, presentations and the general package of the Africa Sustainable Urban Mobility Course depict quality, excellence and appropriate for the African setting.
- c. The problem with today's urban mobility practices in African cities is huge and stakeholders seem not to be in full grasp of the enormity.
- d. The sustained motorization has led to exclusion of persons with disability, and near exclusion of children, the elderly, and women from the urban mobility system, as it becomes increasingly unsafe for them to explore their neighborhood
- e. Roads and other infrastructure in our cities has been continually developed to promote car centric mobility as it looks more like the most convenient choice for daily commuters in urban areas
- f. The inadequate response to the provision of organized public transport is contributing a great deal to deterioration of the quality of life and socioeconomic well-being of citizens

- g. The lack of attention to sustainable urban mobility practices in African cities is adding to poverty, low rating of human indexes and mortality rate
- h. The 39% pedestrian fatalities and the 60 % urban fatalities in Africa are unacceptable and depict the failure of leaders to provide sustainable systems, instead attention to road safety has been rather reactive.
- i. The Africa Sustainable Urban Mobility course could be the deal breaker in developing the human resource capacity of actors in the urban mobility sub-sector in Africa

AREAS OF IMPROVEMENT

The following challenges were noted;

- a. Many organizations and likely participants received the notification late, hence could not mobilize adequately to attend the course while more awareness is needed
- b. General logistics organization of the course could be better with increase funding
- c. More social contents and field visits need to be build into the



Dr. Abimbola Odumosu, Former DG Nigeria Institute of Transport Technology, Zaria with Participants after his Paper.



Participants Listening to Dr. Odumosu

RECOMMENDATIONS

In the light of the observations raised, the undermentioned are carefully recommended, that:

- a. The annual course should be supported by all and sundry to enable its sustenance in subsequent years
- b. All participants and presenters are returning as ambassadors of the Africa Sustainable Urban Mobility Course and should facilitate further collaborations with the respective organizations they represent and constituencies/countries where they came from



Prof. (Mrs.) Monioluwa Olaniyi, Dean Faculty of Sciences, NOUN and Prof. Joseph Omada, a Member of the SUM Course Advisory Board During a Session.

- c. participants expressed worry that such noble ideas may not last as has been the case in the past and hence urged collaborating partners, who they already commended, to sustain and increase their support to enable continuity
- d. development partners, city authorities, corporate organization, etc should provide scholarships that should be advertised on the course website and let cities without adequate resources bid for it to enable them attend the course

- e. Participants resolved to return to their cities and agencies to facilitate attention to sustainable urban mobility systems, that is focusing on organized public transport systems (BRT, Light Rail, Tram, etc), Non-Motorised Transport (Cycling, walking, mobility for persons with disability), and vehicle electrification and fuel efficient technologies, in line with the recommendations from lecturers
- f. Stakeholders at all levels should adopt the SSATP recommended EASI Conceptual framework as well as the 10 point principles for sustainable transport by TUMI to guide in policy development and implementations.
- g. In line with “e” above, participants and their respective organizations shall facilitate policy developments and adjustments, enhanced regulatory frameworks, budgetary allocations, advocacy and campaigns leading to possible reform in the mobility systems in their cities
- h. Stakeholders at all levels as captured in the focus of the course should endeavors to participate in subsequent editions of the course
- i. Preparation for the next course should start early and with adequate publicity
- j. The necessity to adopt Vision Zero / Safe System Approach and develop policies at State, regional and city levels for addressing road carnage is apt, depending on federal institutions for all initiatives limits progress



Participants receiving their Certificates

- k. Rethinking of urban design is necessary, we must stop designing, anymore, wide roads for speeding cars in urban areas but designing for NMT and public transport, meaning more space and facilities for these modes of transport.
- l. We should reduce general urban speed to 30km/h, where it must be higher, segregated cycle lanes and walkways should be provided
- m. Whereas transportation exist as distinct courses in a few universities, the content of the curriculum and knowledge of lecturers leaves much to be desired, hence this new thinking must be incorporated in the curricula of universities with adequate orientation of lecturers.
- n. The failure of traffic enforcement is responsible largely for current traffic discipline. In these cases traffic enforcement must be strict and effectively performed, there is need to raise level of fines that makes sense, deterrent enough and will correct the road user behaviour)
- o. Persons with disability should be a part of all transport related project team from the time of conception to implementation and should be allowed to test a completed project to ensure its suitability for their use before commissioning

CONCLUSION

At the end of the course, each participant received the International Certificate of Sustainable Urban Mobility. Participants equally had informal sessions including opening and closing dinners.

The success of the 1st Africa Sustainable Urban Mobility Course was hinged on the collaboration we have enjoyed from our partner organization, support of our highly motivated team and the guidance of the Advisory Board, These support are appreciated. We look forward to these collaboration in subsequent editions.

The 2020 edition of the course has been scheduled to hold from 22nd to 28th November, 2020 in Abuja and all stakeholders are urged to commence preparations. More partners are invited and should contact the Executive Director for further details.

Join Our

OPEN STREETS ABUJA

Re-inventing the Culture of Walking, Cycling, Mobility for Persons with Disability and Places for People in our Cities

What we do on an open street day



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Prepare and be a part of the 2nd Edition



22nd - 28th November, 2020
Abuja, Nigeria

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