



India-Africa Experience Sharing Orientation Workshop on Clean Air and Sustainable Mobility

Centre for Science and Environment
41, Tughlakabad Institutional Area, New Delhi

April 6 - 8, 2015

Comments/feedback from participants

- **Number of participants:** Eighteen regulators from different countries of Africa region working in the field of air quality management, vehicle technology and fuels and transportation management participated in the orientation workshop.
- **Profile of participation and county representation:** These included very senior, senior and mid level regulators from twelve African countries - Uganda, Kenya, Senegal, Mozambique, Zimbabwe, Mauritius, South Sudan, Tanzania, Ethiopia, Ghana, Nigeria and South Africa.
- **Agencies/organisations representation:** The agencies/organisations include Ministry of Works and Transport, Uganda; Nairobi City County, Kenya; Direction of Environment, Ministry of Environment and Sustainable Development, Senegal; South Sudan Roads Authority, South Sudan; Ministry of Transport and Communications, Mozambique; Environment Management Agency, Zimbabwe; Ministry of Environment, Sustainable Development and Beach Management, Mauritius; National Transport and Safety Authority, Kenya; National Environment Management Council, Tanzania; Ministry of Environment and Forest, Ethiopia; Transport for Cape Town, South Africa; Forum for Environment, Ethiopia; National Road Safety Commission, Ghana; Dar-es-Salaam City Council, Tanzania; Lagos Metropolitan Area Transport Authority, Nigeria; Federal Road Safety Corps, Nigeria and Greater Accra Passenger Transport Executive, Ghana.

Participating regulators appreciated the programme and expressed their willingness to collaborate with CSE. Their comments/feedback is listed below:

1. **Benon Mwebaze Kajuna, Commissioner Policy and Planning, Ministry of Works and Transport, The Republic of Uganda, Kampala, Uganda:** This programme was very useful as we all shared ideas from our countries. The field trips were very useful, especially monitoring the public buses and viewing areas for improvement. My knowledge has certainly enhanced. I would recommend a similar workshop on cross cutting issues in my country. I would also like CSE to collaborate with us in research, capacity building and design reviews etc.
2. **Christine Adongo Ogut, Chief Officer, Roads, Public Works and Transport, Nairobi City County, Nairobi, Kenya:** This orientation workshop was very informative. I realized we are still planning for cars and not for people. I will share the presentations with my colleagues in Kenya. The field trips were really useful. Visited DIMTS, from that experience there is an urgent need to cluster the public transport system in Nairobi and also look at route rationalization and how existing public transport will support the proposed BRTs. This workshop has enhanced my knowledge and understanding. In Kenya we had proposed to remove the 14 seater and 25 seater public transport vehicles but looking at what is happening in Delhi, we need them to rethink and



use our informal public transport modes to feed the BRT system. We also need to plan for hawkers/vendors as part of our public space, chasing them out of the city will not help. The workshop addressed the everyday challenges we face in our cities, proposed realistic solutions to address transport challenges that are implementable. I would like CSE to collaborate with our departments and train more officers.

3. **Aminata Mbow Diokhane, Chief, Air Quality Monitoring Centre, Direction of Environment, Ministry of Environment and Sustainable Development, Dakar, Senegal:** It was a very good experience. Allowed me to understand what another developing country is doing for clean air and sustainable mobility. Acquired general background on how good planning of roads, parking systems, and vehicles technologies can improve the air quality. Trip at DIMTS was very useful, as well as bus maintenance service. It gives me a good idea on how type of fuel can impact the air quality. This programme has enhanced my knowledge about the pollution certificate for cars, optimization of the monitoring stations and good choice for maintaining analyzers (contract with an external organization), public transport deployment etc. This programme is more suitable with the reality and situation in my country. In addition my country and India can learn from each other to develop mobility in urban areas and improve air quality. We would like to collaborate with CSE to do a experience sharing training programme on air quality and urban mobility management in our country.
4. **Emmanuel Roy Longo, Director of Planning and Engineering, South Sudan Roads Authority, Republic of South Sudan, Juba, South Sudan:** The experience was enriching since most African governments are talking the route of urban transport planning/NMT and multimodal integration. The field trip were “hands on”. This programme has certainly enhanced my knowledge. Before workshop, I only had read about Bogota hence my view was academic but I am complete now because I have seen the whole cycle and as well the need for paradigm shift. The other training programmes I attended only had classroom knowledge without field visit experience. But here the examples and challenges were real and home grown. I would recommend a similar workshop in my country and also on urban transport policy, urban space and parking space policy, NMT and multimodal transport and sustainable urban transport development. We would like to collaborate with CSE – to provide research papers, mentoring, following and tracking up progress and provision of strategic guidance and direction. At South Sudan, we would like CSE to participate in workshops, resource mobilization, technical support and assistance with your experience, mentoring and carry out research on mobility etc in South Sudan country specific activities.
5. **Pedro Miguel Murreriu, National Director, Ministry of Transport and Communications, Maputo, Mozambique:** This programme had interactive lectures and presentations and site visits. I would like CSE to collaborate with is on public transport strategy and non-motorised transport policy. I would also recommend institutional collaboration with CSE.
6. **Alpha Tarusenga Chikurira, Principal Environmental Quality Officer, Environmental Management Agency, Harare, Zimbabwe:** It was very good orientation workshop, very good content, diversity of regulatory organizations and supported by relevant statistics and case studies. The field trips developed linkages and practical appreciation. Practical experience focus of this programme is unique. I would recommend a similar workshop in my country on air quality and emission monitoring and management. We would also like if CSE can help us with making GHG inventories and air quality risk assessments.



- 7. Satyanand Buskalawa, Environment Officer, Ministry of Environment, Sustainable Development, Disaster and Beach Management, Port Louis, Mauritius:** This programme has enhanced my knowledge and understanding. There is a need for rethinking of the type of development, road infrastructure we want to achieve. The concept on Transit Oriented Development was explained. Development plans need to integrate with transport plans. Inclusive developments need to be ensuring clean vehicle technology and there is need for the right policies and action plans to encourage cleaner vehicle and fuel. Multi-modal transport (integration) need to be relooked into. I would recommend a similar training workshop on both cross cutting as well as specific issues in Mauritius.
- 8. Opere Joel Akomo, Engineer and Incharge, Vehicle Inspection Centre, National Transport and Safety Authority, Nairobi, Kenya:** This experience sharing orientation workshop was very relevant in areas of emission control. Need to holistically look at our roads not only from motor vehicle perspective but also other roads users. Need to re-prioritize my work and assess the quality of service I give to the public in terms of ensuring safe and clean environment. We focus attention on private vehicles. There is a need to encourage public transport services.. The field trips were very useful. It exposed us to how a government can run a public transport on clean fuels (CNG), the role and determination of NGOs (CSE) that play in support to the government to ensure sustainable clean air and mobility, public service transport viability if properly managed and need for forward planning in design and implementation and integrated transport system. This workshop has enhanced my knowledge and understanding. Pre-workshop, I didn't know the efforts that can be implied to cut down emissions. I am also impressed by the initiative to use CNG and ban two-stroke engines and diesel engines. This programme is certainly different from the programme I attended earlier. This programme was practical oriented with tangible examples implemented by state. It also had a wider area of participants – in a sense the entire Africa. I would recommend a similar workshop in Kenya for officials from National Environment Management Authority, Petroleum Institute of East Africa (PIEA), Nairobi City County, national Transport Safety Authority etc. I would like our agency to collaborate with CSE on emission reduction and control in automobiles and ways to incorporate emission control in motorcycles and TUK TUKs (Bajaj three-wheeler).
- 9. Nancy Richard Nyenga, Senior Environmental Management Officer, National Environment Management Council, Dar es Salaam, Tanzania:** This was a very knowledgeable programme. I recommend training on air quality monitoring and management.
- 10. Hany Ezedin Mohammed, Expert of Compliance Monitoring and Control, Ministry of Environment and Forests, Addis Ababa, Ethiopia:** I would recommend training in the area of the transportation issues to reduce the emissions and clean vehicle standards. Would like CSE collaboration in monitoring and enforcement technologies, collection of samples from transport industry and air quality monitoring station/how to implement the technology.
- 11. Gershwin Fortune, Manager: System Planning and Modeling, Transport for Cape Town, Cape Town, South Africa:** This experience sharing orientation workshop was informative, mind blowing and interesting. DIMTS trip was very useful. It enhanced my knowledge about app, bus operation and landuse and transport integration.
- 12. Yonas Gebru Gebreegziabher, Executive Director, Forum for Environment, Addis Ababa, Ethiopia:** It was a unique programme as it brought actors from various African countries to learn from each other as well as from the Asia/India. For me it is the first such experience and felt that we have homework to do. The field trips were very good. The DIMTS one was very fascinating. After attending this programme I have now realized that it is high time for us to act now and think



of integrated planning. Our city Infrastructure should give high attention to pedestrians, NMT users, disabled etc. It was different as the learning was from a practical experience being seen in the Metropolitan Delhi. I recommend a similar workshop on cross cutting issues in my country. I would also like CSE to collaborate with us and do joint research and advocacy, experience sharing events and trainings.

- 13. Abraham Surazu Zaato, Assistant Planning Officer – R.M.E., National Road Safety Commission, Accra, Ghana:** The opportunity was great. I got to interact with other policy makers in other countries and my experience with them as well. The most successful was the visit to DIMTS. Sessions on NMT provided opportunity to be exposed to experts in the field. I would recommend a workshop on cross cutting issues on road safety, legislation, advocacy and environment. Would also like CSE collaboration for research, training, advocacy and policy formulation.
- 14. Margareth Mazwile, Principal Community Development Officer, Dar es Salaam Tanzania:** The programme has enhanced my knowledge for example earlier I did not know the effect of not to plan road for the people but now I will help my colleagues back home that we should plan roads for the people not for the car. It was different from other programmes as it was more participatory and educative. I would recommend the same workshop to be conducted in my city to help to change the attitude of the people. Would push for NMT inclusive transport planning. Would also like CSE to collaborate with CSE for training programmes.
- 15. Onaolapo Odejayi, Transport Economist, Lagos Metropolitan Area Transport Authority (LAMATA), Lagos, Nigeria:** It helped me to know that transport related issues are fairly similar among developing nations. And in sharing experiences we are able to offer solutions from each other. Experiences shared about India, especially Delhi's issues with traffic enforcement, parking arrangement and congestion have enhanced my knowledge. I would recommend a experience sharing workshop on NMT planning and design and integrated transport planning. As a follow up activity, we would evaluate measures of combating air pollution by transport sector and would also like CSE to do detailed air pollution study.
- 16. Efosa Peter Osawe, Corps Commander, Federal Road Safety Corps, Abuja, Nigeria:** I would recommend a workshop on cross cutting issues on road transport and safety management in my country. Would like to collaborate with CSE on road safety audit and road crash analysis and investigation.
- 17. Samson Gyamera, Head of Greater Accra Passenger Transport Executive (GAPTE), Accra, Ghana:** Very useful, in terms of enhancing my understanding that all the elements of transport and mobility are clearly important. Field trips were very useful, provided the opportunity to compare how similar issues are handled. Would like CSE collaboration in capacity building.
- 18. Cyril Benjamin, Manager: Performance Management and Investment, City of Cape Town, Cape Town, South Africa:** I find this orientation workshop very valuable and enriched my level of expertise. Field trips were definitively very valuable. Delhi's experience with air pollution and the imitative to redress the situation was very informative. I would recommend a similar workshop on cross cutting issues, which would be applicable to my home environment. Activities relating to traffic congestion alleviation would be beneficial.