Integrated Urban Electric Mobility Solutions in the Context of the Paris Agreement, the Sustainable Development Goals and the New Urban Agenda

InCo flagship project on “Urban mobility and sustainable electrification in large urban areas in developing and emerging economies”
Global E-Mobility Platform

Four year programme, 2020-2023
Funded under Horizon 2020 call GV-05-2019
Total budget: €20,233,098
Testing integrated and locally manufactured vehicles

**Vehicles**
- Development, remodelling, retrofitting of 2- and 3-wheelers
- Business models and roll-out concepts for E-buses, E-taxis & shared fleets

**Operations**
- Innovative charging solutions
- Mobility as a Service application and business models

**Integration**
- Innovative integration solutions
- Business models for innovative E-mobility services

**Sustainable Urban Mobility Solutions**

**Business Opportunities, Industry Partnerships, Alliances of Local and National Governments, Bankable Projects**
Sustainable urban mobility approach

Figure 2: Avoid-Shift-Improve paradigm (UN-Habitat)
Joining forces: Urban Living Lab approach

- City project co-design and implementation
- Seed funding, incubator business models
- Impact assessment
- Capacity building Policies & scaling up
Living Lab

Dar es Salaam
**Electric feeder bajajs**

**Enabling**
- Feasibility assessment to electric feeder three-wheelers in Dar es Salaam
- Capacity building

**Promoting local R&D**
- Selection of two local companies via UN-Habitat
- Exploring of new vehicles and design
- Exploring of conversion of ICE three-wheelers

**Expanding the e-fleet**
- Ongoing funding call for more e-three-wheelers
- Upcoming procurement of chargers for key locations near BRT stations
Innovative e-mobility forms

Testing
• Pedal-assist electric bicycles for urban deliveries
• Transport of medical supplies
• Partnership FASTA, EURIST, FABIO, DIT, Aga Khan

Promoting local R&D
• Local assembly and charging at DIT
• Supporting the cycling cooperative FASTA

Expanding the e-fleet
• Study to scale the use of e-bikes for deliveries
• Regional opportunities
Assessment of barriers to the uptake of electric mobility in Tanzania

Policy paper on electric mobility policies in Tanzania

Tanzania National Urban Mobility Policies and Investment Program
First E-Mobility Forum in Dar es Salaam

Tanzania E-mobility Day by SOLUTIONSplus
- E-mobility projects
- Data for e-mobility
- Policies for e-mobility

Africa Support & Investment Platform by UNEP
- Countries exchange
- Financing e-mobility
- Barriers to e-mobility
- Gender inclusion
- Innovators Fair

E-bus training by UITP Academy under SOLUTIONSplus
- Government & operators
- Technology
- Operations
- Financing
- Procurement

Africa E-mobility Forum Dar es Salaam
20-24 March
## Agenda: E-Mobility Tanzania Day

### Tanzania E-mobility Day by SOLUTIONSplus

1. **Projects & Data Session**

   - **09:30-10:30** Projects & Data collected for the e-mobility transition, Q&As
     - Jacqueline Senyagwa, City coordinator UEMI
     - Mr. John, Business Advisor, eMo BodaBoda
     - Shaukatali Hussein, Technical Director and Founder, Robotech Labs Ltd
     - Graeme Leighton, Head of Data Solutions, WhereIsMyTransport

2. **Policy Session**

   - **10:30-11:00** Panel: data needs and approaches for e-mobility
     - Niko Kadjaia, CEO, Ziotio UN Limited
     - Grace Legodi, Investment Officer, Untapped Global
     - Emmanuel Rutagengwa, Head of Transport Policy, CCTTFA/Rasmus Precht, GIZ

   - **11:00-11:30** Coffee break