Urban e-mobility in action: updates from the Urban Electric Mobility Initiative

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Regional Teams

- For Latin America, Africa, South Asia, East/Southeast Asia one focal point at the Wuppertal Institute, one consultant via the Climate Action Implementation Facility, one regional knowledge partner and one finance partner

Latin America
Rosa Munoz (WI), Magdala Arioli (CAIF), CAF, WRI

Africa
Mahendra Grabosch (WI), Edmund Teko (CAIF), AfDB, ITDP

South Asia
Shritu Shrestha(WI), Nikhil Chaudhary (CAIF), ADB, WRI

East/Southeast Asia
Sunny Kodukula (WI), Alvin Mejia (CAIF), ADB, Clean Air Asia
EV Readiness
Assessments for 20 cities

- Key fact and figures
- Short introduction to the (package of) measures
- Policy environment
- Description of the national policy
- Potential costs and benefits
- Implementation partnership
- Counterpart at the city level
- Potential finance partners
- Finance requirements
- Pilot project level (10,000 – 100,000 EUR)
- Implementation project (3 – 300 million EUR)
- Technology requirements
- Technical barriers to the project
- Electricity mix and reliability of the grid
- Policy & governance requirements
- Steps towards implementation
- Feasibility of the implementation
City partnerships

- Memorandum of Understanding
- Identification of opportunities
- Development of concept notes
- Participation in the capacity building
- Global exchange with other cities
- Regional focal points at WI and CAIF
- Support on finance and governance
- Partnership with multilateral development banks and Green Climate Fund

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Pilot projects

- Fleet of electric auto-rickshaws to be launched in Kochi in January 2019
- Place-making activities in Nairobi in October 2018
- e-Bike sharing to be launched in Belo-Horizonte in summer 2019
Pilot Projects
EcoDistricts – Quito, Ecuador

The approach
➢ Intersectoral integration
➢ Neighbourhood level
➢ Replication and scale-up possibilities
➢ Community participation

The EcoDistricts Design Contest
➢ Participatory process
➢ 60 neighbourhoods participated
  ▪ Technical support team +
  ▪ Neighbourhood representatives
➢ 4 winners
➢ Prizes:
  ▪ Neighbourhood improvements: USD 200,000

Results – San Enrique de Velasco
46 proposed measures
➢ Energy: Photovoltaic panels for public Lighting
➢ Mobility: Enhanced NMT network, e-mobility and intermodality
➢ Resources: Green roofs and recycling
Pilot Projects
Zones 30 in School Areas – Belo Horizonte, Brazil

The approach
- Safe journey to school
- Awareness raising
- Community participation
- Replication and scale-up possibilities
- Participatory design

Results – Cachoeirinha Neighbourhood
- Increased road safety and walkability
- Increased number of children and teenagers that walk and cycle to school
- Increased modal shift awareness in young generations
- Enhanced social cohesion in the neighbourhood
Pilot project concept for emission-free cities
Upscaling E Tuk-Tuk and promote E Minibus - Kathmandu, Nepal

The approach
➢ Enhance public transport systems
➢ Awareness raising, Capacity building
➢ Business model development
➢ Leveraging funding
➢ Standards for batteries and charging technology

Results
➢ Business opportunities
➢ Proof of concept
➢ Scalable projects

Fact and figures
➢ Major part of electricity-hydropower
➢ Transport- cause of air pollution and health impacts
➢ National Policies favouring EVs
Integrated e-mobility solutions across all modes of urban transport
International Partnerships

- Decarbonising Transport (International Transport Forum)
- MobiliseYourCity
- Development Banks (ADB, KfW, AFD, IDB, CAF, AfDB, WB, EIB)

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Local support and global outreach

City Support

The UEMI team has been in Kochi (India), Hanoi (Viet Nam) and Hai Phong (Viet Nam) to discuss opportunities for urban electric mobility solutions with local stakeholders. UEMI_SOLUTIONS explored options for the electrification of urban transport, walkability of the city and last mile connectivity with the city governments and stakeholders in Kochi (India), Hanoi and Hai Phong (Vietnam).

Global Outreach

UEMI_Solutions at the World Urban Forum
February 2018

The Urban Electric Mobility Initiative (UEMI) and the urban mobility SOLUTIONS team has presented ongoing activities of UEMI_Solutions and the Future Radar project at the World Urban Forum (WUF9) in Kuala Lumpur in February 2018.

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Supported by:
- ERTRAC
- EGVI
- Urban Pathways
Trainings and capacity building in 2018

Academy of Sustainable Urban Mobility
In cooperation with the Transformative Urban Mobility Initiative (TUMI)

Transport and Climate Change Week
In cooperation with MobiliseYourCity and Transfer

Local trainings
In Vietnam, South Korea, Kenya, South Africa, Brazil and Ecuador

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Capacity Building

UEMI_SOLUTIONS
E-LEARNING

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Capacity Building

UEMI_SOLUTIONS
Urban Change Maker Programme

Cooperation with Universities:
- Technical University Berlin
- Erasmus University Rotterdam
Implementation and policy support

UEMI_SOLUTIONS
Factsheets

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Implementation and policy support

UEMI_SOLUTIONS
Policy Papers

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Policy environment papers

Keya, South Africa, Ghana, Brazil, Ecuador, Bhutan, Nepal, India

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