E-mobility Working Group ToR for CY22
Co- Leads: TUMI and UITP

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Context

Since SuM4All was launched in 2017, the Membership was organized in "Working Groups (WG)". This model proved to be an effective way to pull together knowledge and expertise and develop products that would have been more complex to produce if done by a single organization. In 2021 the first three out of five WGs completed their work, launched their product, and started a discussion on a possible phase 2.

In its first phase of work the e-mobility WG developed the report "**Sustainable Electric Mobility: Building Blocks and Policy Recommendations**" in the GRA in Action series. The report analyzes the main barriers to electric mobility development, identifies essential building blocks for successful policies in the field of electric mobility, and provides policy recommendations for international, national, and local public policy stakeholders. To expand SuM4All outreach to the LAC region a Spanish version of the report was launched in a separate event in October 2021: "Movilidad eléctrica sostenible: Componentes esenciales y recomendaciones de políticas".

Objectives and Expected Output

The objectives of these ToR is to define a workplan for phase 2 of the e-mobility WG. For this phase all working group members will continue to engage in global advocacy and agenda setting activities for sustainable e-mobility.

As a first step, the WG sets out to stimulate the discussion and the understanding for in the broader field of electric mobility through the implementation of proposed solutions and approaches for change on the ground. The WG seeks to bring the paper into action by piloting the implementation of the recommendations in various partner countries in the global south. Valuable insights from implementation activities should be fed back into international agenda setting discussions. This will facilitate innovation, ensure learning in all tiers of government and relevant institutions.

Piloting the GRA will be a key field of action and advocacy moving forward. To bolster these activities international best practices and learning cases by the working group members will be featured. Potential considerations for case studies are Lviv, Ukraine, and Cuenca, Ecuador where TUMI supports the cities in developing integrated e-mobility strategies on the local level. Further activities in the context of the TUMI E-Bus Mission, Nairobi will also be considered as potential case study material. The engagement of the working group members in further cases will be discussed with the Secreteriate and the working group members and taken under consideration to show the practical applicability of the WG paper's recommendations in real world cases.

Moreover, to strengthen thought leadership for the global discussion on sustainable e-mobility the WG will engage in global advocacy work in liaison with international peers. Through this working group, we propose to discuss the following forms of engagement:

1) Strengthening the cooperation between BMZ, FCDO, SuM4All in view of COP27 looking at the "Transformative potential of e-mobility in the global south".

2) Engaging with global peers in the transition to Electric Mobility (e.g. Zero Emission Vehicle Transition Council (ZEVTC), launched at Cop26 which presented its work during December Steering Committee and the COP High-Level Champions Playbook for Zero Emissions Mobility – for Latin America and the Caribbean, presented at COP26 and will continue throughout the next COP presidency.)

3) Initiating high-level discussions with 3-4 country representatives (e.g. Ministerial level from Norway, Croatia, Ghana and Rwanda). Possible topic: "Implications and Learnings from national EV targets/ ICE Phase Out dates" (based on COP26 declaration on accelerating the transition to 100% zero emission cars and vans)

To explore cross-sectoral synergies between e-mobility and other sectors, the WG intends to develop a set of discussion papers in the following areas:

- Data as the link between e-mobility and energy (e.g. Potentials of vehicle to grid applications for the integration of e- mobility and MaaS solutions. On the V2G Debate the development of further position papers on the technology potentials and risks for developing country pathways might be considered.
- Integration of urban development, energy use, and mobility needs in cities: 24/7 Zero Carbon Cities. (Positioning SuM4All as thought leader at the energy, mobility and urban planning nexus with a short position paper)
- The global infrastructure debate: Aligning transport infrastructure with Paris Agreement requires substantial shift of investment. This offers threats and opportunities for global assets. A position paper on future importance of climate friendly and future-proof energy and mobility infrastructure.

Strategic value:

- From knowledge to demonstration projects.

- Showcasing replicability and policy making opportunities by displaying successful case studies.

- Advocacy and Agenda Setting on e-mobility.

- Exploration of cross-sectoral synergies

Key Upcoming Milestones

- February 2022
  o Kick-off phase II
- February 2022 – March 2022:

- o Initial coalition building at Transforming Transportation
  - o Orientation/ production of people- oriented organizational decision making
- March 2022 – August 2022:
  - o Generate the Key Knowledge
  - o Initiate learning dissemination process during key events such as TUMI 2022
- July – October 2022:
  - o Knowledge analysis and recommendation processes
  - o Event implementation
- October 2022 – January 2022:
  - o Innovation and learning dissemination (during the COP 27 and/or the Transforming Transportation conference in January 2023)
  - o Launch of case studies
- January 2023 onwards
  - o Presentation of cross sectoral publication

Other initiatives on international level such as 'GEF Global E-Mobility Program' or 'UNEP E-mobility program' are not integral part of the SuM4ALL working group, even though they potentially might be invited to discuss the topic and enrich the current knowledge of the working group.

Note: These ToR are a first draft. The final version of ToR will be discussed and defined jointly with the working group members.