



# Urban Pathways

## Hanoi

In the city of Hanoi, Urban Pathways has been engaged so far in the promotion of sustainable mobility. Public transport in Hanoi is only estimated to account for 10% of the trips as passenger transport demand is met primarily by private motorized two-wheelers. Therefore, the project concept on E-mobility project (shared e-2 wheelers) was developed together with a local partner – University of Transport Technology. The project tried to find the synergies with on-going IKI project on e-2 wheelers named ‘Integrating electric 2&3 Wheelers into Existing Urban Transport modes in Developing and Transitional Countries’, led by UNEP. The feasibility study, technical assessment, standards and policy support for e-2 wheelers from the on-going IKI project will be considered in the shared e-2 wheeler demonstration project. Moreover, Urban Pathways also plans to explore to support Hanoi on waste reduction activities and promote active mobility.

### **Pilot and Demonstration Action**

#### E-mobility for last-mile connectivity

The demonstration project in Hanoi focuses on boosting the ridership and effectiveness of the currently running BRT and the forthcoming metro rail with shared E-2 wheelers as last-mile connectivity. The shared E-scooter/E- mopeds system will be equipped with state-of-the-art docking-cum-charging stations and contactless payment that provides a hassle-free experience of e-mobility and clubbing it with longer trips on public transport. The project will be a win-win for both public transport and e-mobility. As the city of Hanoi intends to ban the use of motorcycles in the inner city by 2030 responding to vehicle emission, this project will support the plan to phase out conventional ICE 2-wheelers.



The demonstration also supports promotional activities to raise awareness on EVs, strengthen local capacity on EV manufacture, develop appropriate business models and enhance vehicle integration. The demonstration project will have a high potential to not only make e-mobility attractive but also reduce the GHG emissions from transport and increase the share of public transport use.

The proposed demonstration project concept was submitted on 25 April 2019 as a part of EC H2020 proposal for funding. It is being implemented by SOLUTIONSplus project (project duration 01/2020 – 12/2023) together with local partner – University of Transport Technology (UTT) in Hanoi.

Budget: 500,000 EUR

Estimated direct GHG emissions reduction: 48 tCO<sub>2</sub>/year

## Outlook: Planned and/or Possible Future Action EcoZone at Trieu Khuc, Hanoi

Trieu Khuc street in Hanoi is located in the growing district of Thanh Xuan district, Hanoi city. The street is busy from early morning till night time. The place is surrounded by 4 big universities, condominiums and new towns. The street has mixed transport including bikes, pedestrians, motorbikes, cars.

The concept of Eco-zone development is necessary for Trieu Khuc street. This pilot project developed under the Urban Pathways project will promote and facilitate the participants to feel comfortable, green and safe during their trips everyday. This will include the pavement marking for pedestrians and bikes. The pilot will also raise awareness on the zero waste concept.

## Future Outlook

This will integrate the Eco-school concept, following the example of Belo Horizonte's EcoEscola municipal program, that aims to raise awareness among school kids to protect the environment, including energy saving and waste collection, separation and reduction. Besides some activities to demonstrate the importance of energy conservation and waste reduction in the kids friendly way, the program will also integrate the environment aspects into the school lectures/curriculum. Urban Pathways has been in contact with the city identifying the schools and local engagement.

Budget: 25,000 EUR

Estimated direct GHG emissions reduction: 12 tCO<sub>2</sub>/year

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