

Urban Transitions Mission's Knowledge-Exchange Program
Renewable Energy for Cities

Module III: Sustainable mobility in urban environment

Session 3: Other low-carbon transportation options

Dates: 19 June, 2024 **Time:** 13:30- 15:00 (CEST)

Register: [here](#)

Overview of the Program

The program focused on **renewable energy technologies and their applications in cities** over February 14 -June 19, 2024.

The overall program consists of three modules, each covered by three sessions (90 minutes/session) for a total of nine (virtual) sessions. Please find below the **agenda of the session 3 of Module III**, together with key questions for participants to prepare for the discussion and get the most out of the training.

Each session starts with a presentation introducing the topics and key aspects around it, followed by a discussion on a case study to be shared, and questions and answers (Q&A) session. **Below you can find the overview of the topics for each past session with the link to access the recordings of the past Modules I and II.**

This knowledge-exchange program aims to be as much interactive and practical as possible. We therefore encourage UTM cities to share in advance their experiences, perspectives, interesting use cases.

These exchanges are dedicated to urban energy planners and urban planning officials, as well as experts from local energy agencies and municipally owned companies that support the city in their energy transition. Please share this invite to the experts you intend to engage. The exchange will be accessible upon registration – please find [here](#) the link to register.

If you have any question or suggestions, please reach out to UTM Team via utm@globalcovenantofmayors.org and copy ychen@irena.org

Agenda

13:30 CEST	Welcome – <i>Giorgia Rambelli, Urban Transitions Mission Director</i>
13:35 CEST	Introduction to the session – <i>Yong Chen, Program Officer (Lead) for Sustainable Urban Energy, IRENA</i> <ul style="list-style-type: none"> • Overview of other low-carbon transportation options • Key challenges of sustainable supply of low-carbon transport fuels
13:50 CEST	Expert intervention on sustainable mobility in urban environment – <i>TBD</i> <ul style="list-style-type: none"> • Other low-carbon transportation options • Experiences in urban environment and key considerations for an integrated planning
14:10 CEST	Case Study – the experience of Quelimane – <i>Manuel Araujo, Mayor, Quelimane, Mozambique</i> <ul style="list-style-type: none"> • Sustainable mobility in Quelimane – the role of active mobility and the vision of the city • The experiences with the Transformative Urban Mobility Initiative (TUMI), and with the Transport Decarbonisation Alliance (TDA) • Challenges and Lessons learnt <p><i>Q&A on this case study</i></p>
14:25 CEST	Q&A and discussion – <i>All participants moderated by Yong Chen, IRENA</i> <ul style="list-style-type: none"> • Which tech pathway should my city take in decarbonising the transport sector, EV, hydrogen, or biofuels?
14:55 CEST	Wrap up and next steps – <i>Giorgia Rambelli, Urban Transitions Mission</i>
15:00 CEST	End

Complete programme of the Knowledge-Exchange Program Renewable Energy for Cities

Module I: Distributed renewable power generation systems

- Session 1: Understanding distributed electric power generation systems in the context of urban energy transition (14 February)
- Session 2: Focus on Solar Photovoltaics (PV) (21 February)
- Session 3: Other renewable power technologies for cities (28 February)

Module II: Buildings energy performance

- Session 1: Building energy efficiency (10 April)
- Session 2: Renewable energy for heating in buildings (24 April)
- Session 3: Heat pumps (8 May)

Recordings of past sessions are available in the UTMC energy group <https://utmc.app/group-energy>

Module III: Sustainable mobility in urban environment

- Session 1: Mobility VS transportation (5 June)
- Session 2: Electric vehicles (eV) and charging infrastructure (12 June)
- Session 3: [Other low-carbon transportation options](#) (19 June)

The International Renewable Energy Agency (IRENA) is an intergovernmental organisation, comprising 168 Member States and the European Union, that supports countries in their transition to a sustainable energy future. IRENA serves as a centre of excellence; a repository of policy, technology, resource and financial knowledge; and the principal platform for international co-operation on renewable energy. IRENA promotes the widespread adoption and sustainable use of all forms of renewable energy, including bioenergy, geothermal, hydropower, ocean, solar and wind energy, in the pursuit of a global energy transition that delivers sustainable development, energy access, energy security and low-carbon economic growth and prosperity. www.irena.org
