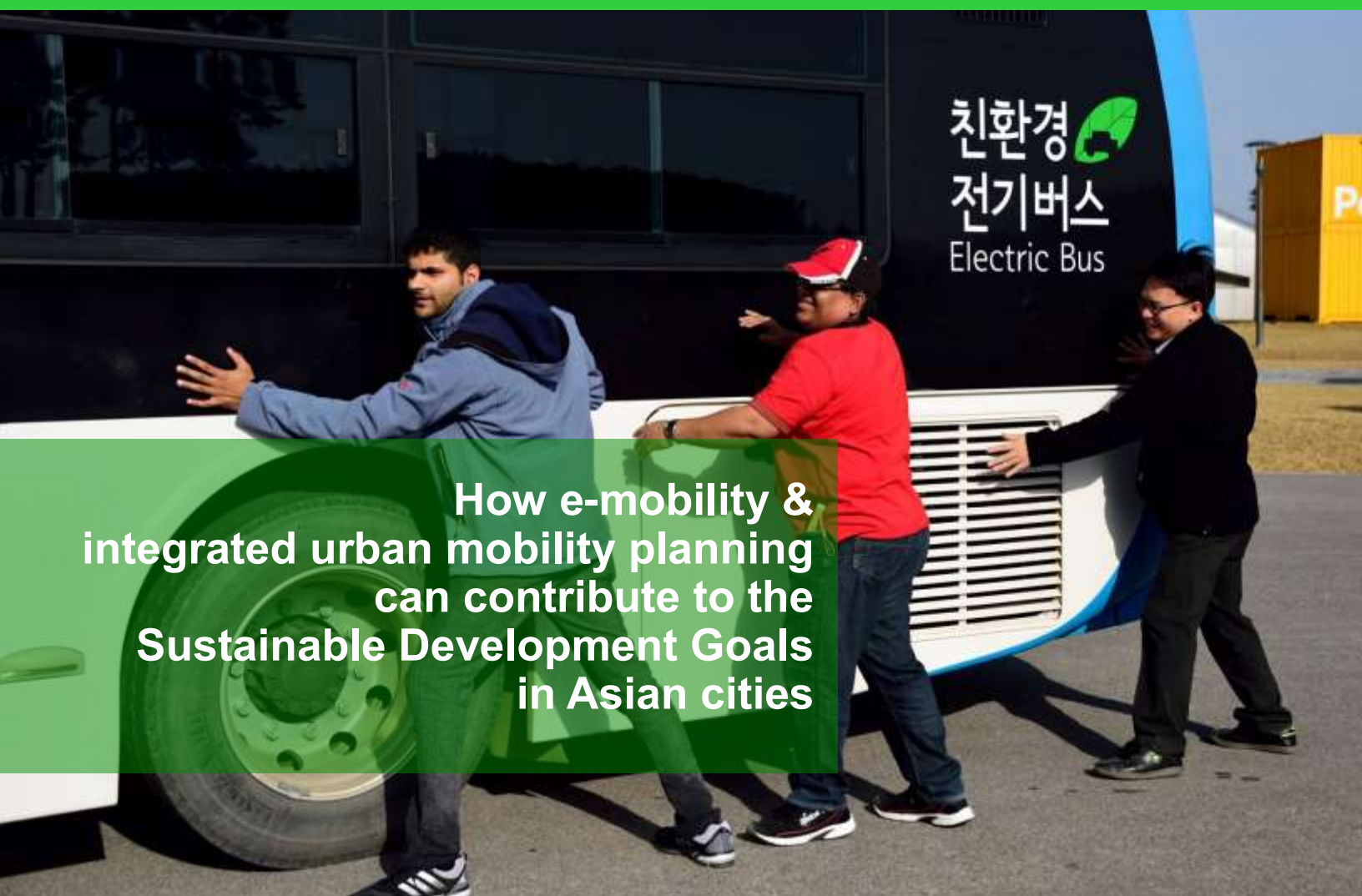


## E-Training Course Low Carbon Mobility

24 - 28 May 2021



**How e-mobility &  
integrated urban mobility planning  
can contribute to the  
Sustainable Development Goals  
in Asian cities**

Application deadline is **20 April 2021**

**Organizers: UN-Habitat and IUTC**

**Sponsorship: Gangwon Provincial Government, Republic of Korea**

## COURSE TITLE

Low-carbon mobility: how e-mobility and integrated urban mobility planning can contribute to the Sustainable Development Goals in Asian cities

## DURATION

24—28 May 2021 (5 Days)



## CONTACTS

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## The Need for a Paradigm Shift towards

### Sustainable and Green Mobility

Urban mobility plays a fundamental role in meeting the objectives of economic competitiveness, social inclusion and sustainable growth, and accessing vital basic services. Yet, in many countries, challenges arise around the rapid increase of private motorized vehicles, traffic congestion and poorly managed public transport systems. This results in inefficiencies, road accidents, air pollution and increasing greenhouse gas emissions, contributing to climate change. Urban dwellers are facing increasing problems in travelling to work and in accessing health, educational and social services.

The conventional approach to address urban transport challenges has been to build more roads and related infrastructure. However, this paradigm has proven unsuccessful and new roads are rapidly overwhelmed by increased traffic soon after they are built. Transport has received increasing recognition over the past years in the global agendas such as the UN Sustainable Development Goals (SDGs), the Paris Climate Agreements and the New Urban Agenda. The world needs to strive for a new mobility paradigm where “Transport” is seen as a means and not an end itself - the ultimate objective of all transportation being access to opportunities, goods services and amenities.

Forward-looking policies that incorporate innovative measures to meet pressing societal challenges and environmental constraints are urgently needed. Improved public transport, integrated with safe and attractive facilities for cycling and walking, can make the city accessible to all. In addition, innovations in transport systems such shared mobility systems or electric vehicles play an ever-increasing role for better urban mobility. Opportunities for improvements in urban mobility also come from the side of IT-supported solutions and big data. Cities need to be introduced to low-carbon mobility alternatives, and capacity built to incite a shift away from the car-based mobility paradigm towards sustainable innovations in their urban (e-)mobility planning, services and systems. The need for safe and accessible mobility networks has been emphasized by the ongoing COVID-19 pandemic, where continued access to economic opportunities and vital services was challenged. Resilient mobility systems for all are therefore pivotal as the world builds back better in the post-pandemic era.

# Inspire

Network  
Solutions  
Tools  
Demonstration

Actions  
Knowledge



## Objectives

The main objective of this course is to help training participants to gain better practical knowledge about the design and management of low-carbon, sustainable transportation models which can be applied in their cities. The course specifically aims to :

- ⇒ Inspire participants to reflect on an alternative paradigm for urban mobility in their city that seeks to improve accessibility by introducing more efficient, inclusive, safe, low-carbon and innovative public transport, integrated with non-motorized modes of transport;
- ⇒ Equip participants with knowledge and tools to prepare feasible strategies and actions towards more sustainable, safe, accessible, and innovative e-mobility in their city in the post-pandemic era;
- ⇒ Share cutting-edge knowledge by engaging experts from the field to present practical sustainable mobility case studies from the region but also through UN-Habitat and its partners;
- ⇒ Learn from Korean institutions on how to successfully embed e-mobility and other sustainable mobility solutions in planning, policies and regulations ;
- ⇒ Introduce sustainable funding mechanisms, including the applicability of public-private partnerships and international donors;
- ⇒ Build a peer-to-peer learning environment and partnership platform for continuous exchange on sustainable urban mobility .

## Target Audience

The training course is tailored for both senior decision makers, policymakers and transport practitioners from cities in Asia and the Pacific region who work in national and local governments and have direct responsibilities for the planning, design, finance, implementation and management of transport policies, programs and projects. Those who work in private and academic institutions, as well as NGOs and not-for-profit organizations, may also find the training program useful. Participants should be able to demonstrate a relationship of their work with the core theme and objectives of the course and have a minimum of 5 years of experience in the relative field





## The key issues to be addressed

- ⇒ Analysis of current situation – impacts of non-sustainable transport
- ⇒ Understanding of the sustainable mobility concept and its fundamentals components while providing links to Sustainable Development Goals, New Urban Agenda and Paris Climate Agreement, and highlighting its critical importance from a public health perspective
- ⇒ Available modes and options for safe, affordable, accessible and sustainable mobility, with a particular focus on electric mobility in its diverse forms
- ⇒ Linking Transport to Land Use Planning, including for e-mobility networks
- ⇒ Sustainable Urban Mobility Planning - How to design an action plan that consists of prioritized actions on both policy development as well as programme implementation for sustainable transport?

## The expected outcomes of this training course

- ◇ Policy-relevant knowledge and experience from the Republic of Korea and the world being shared with city leaders in Asia and Pacific region;
- ◇ Advanced knowledge and know-how about sustainable and inclusive mobility in Asian cities will be acquired;
- ◇ Increased technical capacity in the field of transport policy formulation and project implementation.
- ◇ Urban mobility strategies for some Asian cities will be developed by participants.

## E-Mobility and Culture in Korea

- ◇ Discussions with Korean e-mobility experts and institutions is part and parcel of this training. Participants will acquire a good understanding of the Korean financing and set up of public and private charging facilities to support e-mobility adoption. Participants will also have a brief session to learn about Korean people, history and language.



## TRAINING FORMAT

The course is organized in the format of an **interactive e-workshop** that allows for exchange and discussions amongst the participants.

The course is practical and problem-solving oriented: participants will be exposed to a number of **practical exercises** that support decision making on the choice of transport solutions in their cities.

Specific attention will be given to developing an **action plan** in support to the design of policy interventions and monitoring of the transport efficiency and environmental indicators using integrated approaches.



## Course Content and Structure

### Module 1

Mobility's role in sustainable development

- ◆ The Sustainable Urban Mobility Paradigm: ensuring access to economic opportunities and services for all
- ◆ Mobility and the Sustainable Development Goals – Sustainable transportation policy development in Asian cities
- ◆ The need for sustainable e-mobility, non-motorized and public transport in the fight against pollution, climate change and unsafe roads in the post-pandemic era

### Module 2

Land use and Low carbon Mobility options

- ◆ Land Use Planning and Transport Demand Management
- ◆ Transit-Oriented Development and Public Transport
- ◆ Walking and Cycling
- ◆ Planning for electric mobility
- ◆ E-transport Innovations

### Module 3

Social sustainability of mobility

- ◆ Mobility for Everyone (Gender, Youth, Disability)
- ◆ Raising Public Awareness about Sustainable Urban Transport
- ◆ Security and Safety

### Module 4

Economic sustainability of mobility

- ◆ Economic Instruments and Policy Options for Sustainable Mobility
- ◆ Financing Sustainable Urban Transport

### Module 5

Towards a sustainable reality

- ◆ Urban Transport Institutions
- ◆ Sustainable Urban Mobility Planning – Action Plan and Integrated Policy Design

## Pre-course activities

- ◆ **An outline (2 pages)** focusing on the transport challenges in his/her city, explaining what those challenges are, how they manifest themselves, their root causes and prevention, mitigation and adaptation strategies, highlighting actions/policies/projects that are being implemented.
- ◆ **Data of your City Transport Profile** including facts and figures about the city, ongoing programs, policies and actions that are being undertaken by the city governments related to sustainable mobility.

## IUTC



## UN-Habitat



## Organizing Institutes

**The International Urban Training Center (IUTC)**, aims to build the capacity of local governments, particularly in the Asia-Pacific region, to pursue sustainable urbanization in line with the United Nations Sustainable Development Goals. Since its inception, Gangwon Province has been providing full support for the IUTC in partnership with UN-HABITAT. The IUTC's core curriculum focuses on environmental restoration and strategic approaches to urban planning, developing and maintaining ecologically sound communities. The centre is devoted to promoting civil and human rights, decent housing, land readjustment as well as waste, water, sanitation, health and education services to environmentally, economically, and socially inclusive communities mainly for the participants of the countries in the Asia-Pacific region.

**The United Nations Human Settlements Program (UN-Habitat)** is the United Nations agency for human settlements. It is mandated by the UN General Assembly to promote socially and environmentally sustainable towns and cities with the goal of providing adequate shelter for all.

The Capacity Development and Training Unit—the coordinating unit of this training programme—combines knowledge, tools, skill development and training of partners institutions and UN-Habitat staff into a coherent capacity development strategy focusing on cities, making use of all the knowledge and information generated from the agency. This training is done in close collaboration with the Urban Mobility team and UN-Habitat partners from its largest low-carbon mobility projects.

The project “*Urban Pathways - Supporting Low Carbon Plans for Urban Basic Services in the context of the New Urban Agenda project*” helps delivering on the Paris Climate Agreement in the context of the New Urban Agenda and the Sustainable Development Goals. The project supports cities in the development of Low Carbon Plans for urban mobility, energy and waste management services, working on concrete steps towards a maximum impact in cities to global climate change mitigation efforts and sustainable and inclusive urban development. (<https://www.urban-pathways.org/>)

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

The project SOLUTIONSplus aims to enable transformational change towards sustainable urban mobility through innovative and integrated electric mobility solutions. The project encompasses city level demonstrations to test different types of innovative and integrated e-mobility solutions, complemented by scaling up and replication activities. Through the regional platforms, a global programme and local teams, the project aims to develop highly effective and innovative approaches to urban e-mobility ensuring that mobility systems and interventions from this project deliver on the Paris Agreement, meet the Sustainable Development Goals and address the New Urban Agenda. (<http://www.solutionsplus.eu/>)



## Key Experts and Trainers



**Debashish Bhattacharjee** is a senior expert of UN-Habitat. He coordinates many innovative demonstration projects in Asia, Africa and the LAC regions as well as in the preparation of publications and tools and guides on these topics. Currently, he works in the Urban Basic Services Section of UN-Habitat where he leads teams working on urban mobility and waste management. Previously, Mr. Bhattacharjee has worked with the Asian Development Bank and the DFID (UK).



**Prof. Lee Hyun-hoon** has majors in International Economics at Kangwon National University (KNU), Korea and President of International Urban Training Center (IUTC). He used to work at the Asia-Pacific Economic Cooperation (APEC) Secretariat as well as at the United Nations Economic and Social Commission for Asia and the Pacific (UN ESCAP). He has been a Visiting Professor at various world-class universities including University of British Columbia, the University of Melbourne.



**Stefanie Holzwarth** is working at UN-Habitat since 2015. She supports broad consultation processes of stakeholders to develop mobility strategies that are adapted to local needs; avails international expertise and best practices; and is involved in capacity building events and city-to-city exchanges. Stefanie is an enthusiastic cyclist and an activist in creating awareness of the cyclists' rights to shared urban roads.



**Dr. Shritu Shrestha** is a researcher at the Wuppertal Institute for Climate, Environment and Energy (Wuppertal Institute). She is involved in research in sustainable cities, transport and building, urban development, and climate action. She currently conducts environmental studies, and provides technical assistance to Asian cities on climate action and implementation of low carbon urban transportations.



**Alvin Mejia** is a researcher at the Wuppertal Institute where he supports international cooperation projects on sustainable urban mobility, including global electric mobility initiatives. He has extensive experience in development of policies and strategies in the Asian region - towards environmentally sustainable mobility through research and capacity building.



**Kathleen Dematera Contreras** leads the Sustainable Transport initiatives of Clean Air Asia. Her work focuses on the areas of clean fuels and vehicles, fuel economy, low emission urban development, active transportation, electric mobility, and green freight and logistics. Kathleen establishes strategic partners in various countries across the region, ranging from government agencies, development practitioners, private sector representatives, and academic and research institutions to enhance country-focused initiatives to align with global strategies.



## How to apply and Submit documents

Applicants must fill out the application form and submit by **20 April 2021** to all email addresses below:

Mr. Yeonghoon Kim

✉ [bluesky11301@naver.com](mailto:bluesky11301@naver.com) & [bluesky1130@daum.net](mailto:bluesky1130@daum.net)

Mrs. Trang Nguyen

✉ [Trang.Nguyen@un.org](mailto:Trang.Nguyen@un.org)

In order to apply for the course, each applicant is requested to submit:

- ◆ An application form (typed, not handwritten): This form should be submitted in MS Word format (NOT in PDF, JPEG, nor by Fax), except a scan file of page -4 with official signature as an approval sign of your training participation.
- ◆ An Excel sheet of personal information (Refer to the attached file).
- ◆ An outline (2 pages) focusing on the mobility challenge in his/her city, explaining what it is, how it manifests itself, the root causes of it and what is being done to address the challenge if any actions/policies/projects are being implemented.
- ◆ At least one letter of recommendation from your employer/head
- ◆ Agreement of utilizing Personal Information as per regulation of government of Republic of Korea (Refer to the attached file)

*Please note:*

- ⇒ *Kindly submit your application to ALL email addresses above*
- ⇒ *Application without the 2-pager outlining the transport situation in your city and existing effort to address current issues will NOT be considered*
- ⇒ *Due to the tight timeline, we will not be able to acknowledge the receipt of applications. We apologize for any inconvenience this may cause.*





SELECTION CRITERIA

Applications will be considered based on the following criteria:

- ◆ Demonstrated professional experience and potential to influence the policy development and implementation in transport, planning and management of cities;
- ◆ Nomination of an appropriate person that the person is able to participate effectively in the course and lead the subsequent process. This should be guaranteed in the letter of recommendation;
- ◆ Proven ability to communicate in English;
- ◆ Only the persons submitting their pre-training course homework will be considered as qualified applicants.

Key timeline



## TRAINING COURSE COORDINATORS

**Yeonghoon Kim** is the IUTC training course coordinator with 30 years of experience in higher and adult education programme as well as sustainable economic development. He takes care of many aspects of the training course's logistic organization, arranges field visits and invites guest lectures from Korean institutions.

**Trang Nguyen** is a staff member of UN-Habitat with over 20 years of experience in sustainable development, climate change adaptation, participatory development processes and capacity building. She has worked with national and local governments, development NGOs, bilateral donors, the United Nations Environment Programme and is currently a project manager of the Capacity Development and Training Unit of UN-Habitat.

**Judith Owigar** works in UN-Habitat as a Smart Cities and Electric Mobility Consultant. In her capacity, she plans, supports and implements projects using her knowledge on ICT as a driver of urban prosperity. She has founded two technology focused organizations in Kenya, AkiraChix Association and JuaKali Workforce, and has worked in both the nonprofit and private sectors.

**Lander Bosch** works as part of the Urban Mobility team at the UN-Habitat headquarters in Nairobi, Kenya. His expertise lies in the interrelations between mobility in urban built environments and health outcomes, in particular for children. Prior to joining UN-Habitat, Lander completed a PhD in Urban Health Geography from the University of Cambridge, UK.



Thank you for your interest and application







