

# Urban Resilience & Environmental Sustainability 2021

## Overview: Training Objectives

The overall objective of this training course is to contribute to an enhanced vision of Asian city leaders and senior managers in making their cities healthier, more resource efficient and resilient against natural disasters.

This overall goal inspires us to design a training course that focuses on (i) improved knowledge of good-practice and solutions in environmental sustainability and resilience from Asia and Pacific region as well as worldwide, (ii) improved participants' awareness of the state of the art of available urban resilience and low carbon development options, and (iii) strategies to influence policy-making process in sustainable urban planning and management as part of the implementation of the New Urban Agenda, and climate SDG indicators (<https://unhabitat.org/nua-illustrated-toolkit/>).

The course is practice oriented and aims to inspire participants to identify preliminary urban resilience and green development action for their cities. The course offers a peer-to-peer learning environment for participants to discuss and prioritize issues and knowledge gaps in addressing climate challenges through national and local policies, capacity development and knowledge management. This aims to stimulate the creation of a community of practice among Asian cities, as well as with other regions.

The course will also provide up-to-date materials for policy makers and urban practitioners for enhancing their capacity to implement the key international agreements on resilience in human settlements, such as the New Urban Agenda and the Paris Agreement on Climate Change. After the course, participants should be able to make their cities more climate compatible, sustainable and resilient.



## Dates

---

- Part 1: 29 Nov – 3 Dec 2021 (virtual)
- Part 2: tentatively in mid-2022 (in-person)

## Application Deadline

---

**5 November 2021**



## Target Groups

The workshop is tailored to respond to the challenges faced by local-level city mayors and senior managers who are directly involved in the planning, management and implementation of climate change policies and urban resilience programmes in Asian cities.

Those working in local and national governments, NGOs, and private sector companies in the field of climate change and environmental resource management (water management, energy efficiency, green infrastructures, etc.) will also find the course extremely useful.

Senior managers and policy makers will acquire knowledge from first-hand testimony and policy examples. The aim of this is to help raise the institutional and technical capacity level necessary for participants to design and implement suitable solutions for their own contexts.

Participants should be able to demonstrate links between their own work and the core themes and objectives of the course. Furthermore, they should have a minimum of 10 years experience in related fields.

---

*“What we call learning is only a process of recollection.” (Plato)*

---

## The Expected Results

- ⇒ Sound knowledge about the climate change and urban resilience acquired;
- ⇒ Increased institutional and technical capacity level in the field of planning urbanization processes and their management in a sustainable manner; and
- ⇒ A preliminary actions and strategies for urban resilience and environmental solutions for Asian cities through a practical planning workshop.

## Course Content and Structure

The training course has 4 key modules

**Introduction** This module provides an overview of the global situation regarding cities and climate change, including a session on global urban environment trends, up-to-date information on the localization and implementation of SDGs, the New Urban Agenda, and the most recent development in the implementation of the Paris Agreement.

**Climate Adaptation & Urban Resilience in Cities** This module discusses the ways in which cities contribute to climate change, together with the negative impacts of climate change and natural disasters. It will also explain how well-integrated urban planning can improve climate resilience and compatibility on the city level, preventing and reducing losses and damages, while at the same time reaping the benefits of low-carbon, green infrastructure.

**Urban health and resource efficiency** This module trains participants in the key concepts of sustainable urban environment and urban environment management, while giving relevant examples and case studies from regions and cities from similar economic contexts. The module focuses on cities' efficiency, green infrastructure, and the circular economy approach as examples of sound and sustainable urban environmental solutions.

**Action Plan for Urban Resilience** In this final module, participants will devise their own action plans and strategies for the implementation and localization of SDG 11 in their cities. To do this, they will use selected integrated interventions for improving their city's climate resilience, urban environment and resource efficiency.

## Overview of training schedule

Part I: 29 Nov - 3 Dec 2021				
Day 1	Day 2	Day 3	Day 4	Workshop
Overview of the global situation	Climate adaptation measures	Urban resilience: city action plan	Urban health and resource efficiency	Knowledge sharing with Kangwon National University (KNU)
Part II: Mid 2022				
Four days of lectures, site visits ,and action planning workshop				



## Training format

Due to the COVID-19 situation, international travelling has been restricted, the first part of the course will be organized in form of an online-course (via an online platform such as Microsoft Teams or Zoom) with a combination online lectures, facilitated and online group discussions.

The second part of the course which is face-to-face training sessions will be done around mid-2022 when the international traveling is feasible.

## Why A Focus on Urban Resilience?

Cities and towns face a multitude of climate change and environmental issues. Cities consume over two-third of the world's energy and account for more than 70% of the global greenhouse gas emissions, which are mainly produced through energy generation, transport, industry and biomass use. Challenges on the local level tend to include limited access to clean water and sanitation, air pollution and loss of urban ecosystems. And with 90% of the world's urban areas situated on coastlines, cities are at high risk from some of the devastating impacts of climate change, such as rising sea level and powerful coastal storms. Cities in less-developed regions of Asia are some of the most vulnerable to the impacts of climate change, in terms of both human and economic costs.

There is a clear need to improve management skills and the capacity of stakeholders with regards to understanding urbanization and transforming propositions into action. As part of the climate change problem, cities also have the opportunity to be integral to its solution. Together with local authorities, they have the potential to reduce the causes of climate change (mitigation) and effectively protect themselves from its impacts (adaptation).

Despite the efforts made to help cities and countries fulfil their commitments towards the implementation of the 2030 Agenda for Sustainable Development, the New Urban Agenda and the Paris Agreement, new challenges have arisen since the COVID-19 pandemic spread around the globe in 2020. Modern means of mobility helped the rapid spread of the virus, placing cities and urban areas on the frontline of exposure, and leading many to question urban health and resilience to infectious diseases.



## Pre-Course Activities

There are two major tasks which will be prepared by the participants prior to the start of the course

**(1) Data and information collection** focusing on existing situation related to climate change risks, natural disaster risks, health risks, existing interventions and solutions in the city.

**(2) Participation in an online survey** about specific areas of interest: there will be pre-training survey to explore specific issues related to participants' needs and potential peer-to-peer experience sharing.

## The Course Organizers



**The International Urban Training Center (IUTC)** was officially launched on 3 May 2007 as a joint-collaboration between UN-Habitat and Gangwon Provincial Government, Republic of Korea. It aims to build the capacity of local

governments, particularly in the Asia-Pacific region, to pursue sustainable urbanization. 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, as well as developing and maintaining economically and ecologically sound communities. The centre is devoted to promoting human rights, decent shelter, and land readjustment as well as waste, water, sanitation, health and education services to communities mainly for the participants from the countries in the Asia-Pacific region.

---

*“Nature does not hurry, yet everything is accomplished.”*

*(Lao Tzu)*

---



**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 (CDU) combines knowledge, research, tools, skill development and training into a coherent capacity development strategy focusing on cities, New Urban Agenda partners, training institutions, and UN-Habitat staff, making use of all the knowledge and information generated from the agency.



## Training Course Experts



**Prof. Lee Hyun-hoon** majored in International Economics at Kangwon National University (KNU), Korea, and is the President of IUTC. He previously worked 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 renowned universities, including the University of British Columbia and the University of Melbourne.

**Aida Guardiola** is a former expert of the Urban Planning and Climate Change Unit. She is experienced in climate change adaptation, mitigation, and financing for climate change. She



has more than 15 years of experience advising in development cooperation and engineering projects in the water, agriculture, waste, climate change and environmental sectors. She has worked with national, regional, and local governments, NGOs, private sector actors and, more recently, as a consultant at the FAO

**Fruzsina Straus** has over 16 years of experience with the United Nations, international NGOs, and the private sector. Her background has focused on socio-economic development, public governance, post-conflict national development planning, institutional reform, urban resilience, disaster risk management, and climate change adaptation. Amongst other tasks, Fruzsina is leading the portfolio on urban climate resilience and DRR within the Regional Office for Africa in 16+ countries.



**Selene Angelone** is an architect with 11 years of experience as a designer & researcher in cultural heritage, architectural project manager. She studied a post-graduate speciali-

zation in project strategies and innovation in humanitarian emergencies. She is currently working as a consultant for the Regional Office for Africa, UN-Habitat, in Nairobi with projects falling under the overall urban resilience portfolio.

## 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 develop-

ment. He is responsible for much of the logistic organization of the training course. He also arranges field visits and invites guest lectures from Korean institutions

**.Trang Nguyen** is a development and environment expert with 20 years of experience in sustainable development, climate change, participatory development processes, and



capacity building for local government and civil society groups. She has worked with NGOs, national and local governments, and the UNEP, and is currently trainer of the Capacity Development and Training Unit, UN-Habitat

### Scholarship and course fee

For the first part of the training course which is conducted online the training course is free of charge.

For the second part which is tentatively taking place at IUTC in 2022, for those applicants who are selected IUTC will cover all cost during the training period as well as field trip elements. These include international airfare, accommodation and meals throughout the training period. The exact dates of this session will be determined at a later stage in view of the travel possibility due to COVID-19 pandemic restriction..

*Note: Only participants fully attend the first (virtual) part of the training are invited to attend the second (face-to-face) part of the training in 2022 at IUTC.*

## How to apply

Interested applicants should fill out the application form and submit by **05 November 2021** to Mr. Yeonghoon Kim <[bluesky1130@daum.net](mailto:bluesky1130@daum.net)> and <[bluesky11301@naver.com](mailto:bluesky11301@naver.com)> and Ms. Trang Nguyen <[Trang.Nguyen@un.org](mailto:Trang.Nguyen@un.org)>

*(Please send your application documents to all email accounts mentioned above).*

Each applicant should submit:

- An application form submitted in MS Word format, NOT in PDF, or JPEG;
- An outline summarizing the applicant's case study on the planning, policy, projects in the areas of urban resilience, climate change adaptation, DDR, and environmental sustainability in the city including data, indicators, operating system analysis;
- A personal profile in excel template provided by IUTC
- A signed the Agreement on Personal Information Utilization form in Word template provided by IUTC

*Note: selected candidates will be notified by **10 November**. Upon receiving the invitation to attend the training, the participants should confirm their availability, the information in their personal profile by **12 November**.*



## Training Platform and Venue

The virtual learning part will take place using a link via Zoom or Teams

The in-person part will take place at the compound of International Urban Training Centre (IUTC):

### IUTC Eco-complex

341-6 Saengtaegongwon-gil, Bukbang-myeon, Hongcheon-gun, Gangwon Province 25113, Republic of Korea

Tel: +82-33-248 6584

Website: <http://iutc.gwd.go.kr>

*Thank you for your interest and applications*

*Looking forward to seeing you in the Spring 2022 !*