



2021 SWITCH-Asia Leadership Academy on Technology for A Circular Economy

6-8th September 2021 (UTC/GMT +7)

Venue: Virtual via Zoom

Background

The EU-funded SWITCH-Asia programme aims at promoting sustainable development which contributes the transition towards a low-carbon, resource-efficient and a more circular economy.

The Regional Policy Advocacy Component (RPAC) implemented by UNEP is responsible for organizing the Leadership Academy, a flagship activity of the SWITCH-Asia programme, working closely with selected young professionals from Asia to shift mindsets towards sustainable consumption and production practices. Previous academies were organised in 2018 in Bangkok and 2019 in China to introduce the fundamental concept of circular economy. In 2020, the Academy dived deep into how to communicate about the circular economy, showcasing case studies from both Asia and Europe. This year, SWITCH-Asia RPAC sees the need to touch base on technology and innovation. Technological advancements across sectors have catalysed circular business models, driving new processes, new communication channels and operational efficiencies that promote achievement of circular economy principles and approaches through enabling the decoupling of resource use from economic growth across industries.

Collaborating with Tongji University, SWITCH-Asia RPAC is organizing the 2021 Leadership Academy focusing on innovative technologies towards circular economy across young professionals in the region.

For more information about the 2021 SWITCH-Asia Leadership academy please visit [here](#).

Agenda

Day 1: Monday 6 September 2021

Facilitator (Prof. WANG Tao, Tongji University)

Session 1: Opening and Introduction Session

10:00-10:05 Welcome Remarks by the EU SWITCH-Asia RPAC

Dr. Mushtaq Memon

Resource Efficiency Sub-programme Regional Coordinator,
UNEP Regional Office for Asia and the Pacific

Project Manager, EU SWITCH-Asia Regional Policy Advocacy Component (RPAC)

10:05-10:15 Remarks by Tongji University

Prof. WU Jiang

Dean of UNEP - Tongji Institute of Environment for sustainable Development (IESD), Tongji University

10:15-10:25 Opening Remarks

Mr. Saroj Srisai

Programme Officer, Cooperation Section,
Delegation of European Union to Thailand

10:25-11:20 Group Photo and Self-introduction

11:20-11:30 Coffee Break

11:30-12:00 Background and Introduction of the 2021 Leadership Academy

Ms. Tunnie Srisakulchairak

Programme Management Officer, EU SWITCH-Asia RPAC,
UNEP Regional Office for Asia and the Pacific

Ms. Shuzhi Hou, Tongji University

12:00-13:30 Lunch Break

Session 2: Introduction to Circular Economy and Technology - Linkages

13:30-14:20 Introduction to A Circular Economy

Prof. WANG Tao, Tongji University

Ms. FAN Chuan, Ellen MacArthur Foundation

14:20-15:20 The Role of Technology to A Circular Economy - Facing the Carbon Neutrality

Prof. YU Yadong, East China University of Science and Technology

15:20-15:30 Coffee Break

15:30-16:00 Sustainability Framework of Technology

Dr. Mushtaq Memon



2021 SWITCH-Asia Leadership Academy on Technology for A Circular Economy

6-8th September 2021 (UTC/GMT +7)
Venue: Virtual via Zoom

Agenda

Day 2: Tuesday 7 September 2021

Facilitator (Ms. ZHENG Lixia, the EU SWITCH-Asia RPAC)

Session 3: Technology for a Resource-efficient and Consumer-empowered Circular Economy

09:30-10:30 Technologies for Circular Supply Chain and Consumer Behaviors

Prof. (Anthony) Shun Fung Chiu
De La Salle University, the Philippines

10:30-11:00 Case Study: Material Innovative to Reduce Single-use Plastics

Mr. Norapat Phaonimongkol
CEO at Eden Agritech Co., Ltd.

11:00-11:15 Coffee Break

11:15-12:00 Group Project Briefing

Prof. (Anthony) Shun Fung Chiu, De La Salle University
Dr. ZHANG Jing, Lecturer, Tongji University

12:00-13:30 Lunch Break

13:30-14:00 Group Project: Group discussion & PPT preparation

Supervisor: Prof. (Anthony) Shun Fung Chiu
Dr. ZHANG Jing

14:00-15:00 Circular Design

Mr. Joe Iles
Circular Design Programme Lead, Ellen MacArthur Foundation

15:00-17:00 Group Project: Group discussion & PPT preparation

Supervisor: Prof. (Anthony) Shun Fung Chiu
Dr. ZHANG Jing

Day 3: Wednesday 8 September 2021

Facilitator (Ms. HOU Shuzhi, Tongji University)

Session 4: Unlocking New Value for a Circular Economy: Circular Technology Applications and Case Studies

10:00-10:50 Waste Management Technology to A Circular Economy

Prof. Muttucumaru Sivakumar, University of Wollongong

10:50-11:00 Coffee Break

11:00-12:00 Water-energy Nexus in Wastewater Treatment and Management

Prof. WANG Hongtao, Tongji University

12:00-13:00 Lunch Break

13:00-14:00 Food, Energy, Water Resources in Circular Economy and Their Nexus

Prof. LIANG Sai, Guangdong University of Technology

14:00-14:30 Break

Session 5: Closing

14:30-16:00 Group Presentation

16:00-16:10 Coffee Break

16:10-16:30 Comments & Feedback to the training

16:30-17:00 Summarization of the Group Project

Prof. (Anthony) Shun Fung Chiu *Dr. ZHANG Jing*

Conclusion and Closing Remarks

Ms. Tunnie Srisakulchairak

Programme Management Officer, the EU SWITCH-Asia RPAC,
UNEP Regional Office for Asia and the Pacific

CONTACT

Dr. Mushtaq Memon

Resource Efficiency Sub-programme Regional Coordinator,
UNEP Regional Office for Asia and the Pacific
Project Manager, EU SWITCH-Asia Regional Policy Advocacy
Component (RPAC)
Email: memon@un.org

Professor Fengting Li

Deputy Executive Dean
UNEP-Tongji Institute of Environment
for Sustainable Development (IESD)
Tongji University
Email: fengting@tongji.edu.cn