



# MOVING TOWARDS CIRCULAR ECONOMY FOR PLASTIC WASTE MANAGEMENT

**20 October 2020, Tuesday | 14.00 hrs**  
Bangkok Time ICT (Indochina time) UTC/GMT +7 hours

## BACKGROUND

Amidst calls for improved environmental performance, economies are faced with the environmental impacts of a linear approach (take, make, dispose) to production and consumption. Increasing prices of materials, overconsumption and subsequently, a higher volume of waste generated are typical characteristics of the linear economy's path that most countries are taking. Circular economy (CE) focuses on maximizing the life cycle utility of resources. It is designed to efficiently recirculate the raw material in a closed-loop, through minimization of virgin material use and maximization of waste recovery as secondary raw materials and alternative energy sources. Circular economy gives a new perspective of looking at the plastics as a resource rather than waste. The implementation of circular economy approaches had resulted in societal, environmental and economic benefits across various parts of the world including China, Japan, Europe. The success stories have a stream of processes including top-down and bottom-up approach in their implementation. The "Top-down" approach involves policy intervention and "Bottom-up" approach involves capacity building, people's participation, promotion and use of appropriate technologies and private sector participation. It is the combination of these two approaches and successful implementation of circular economic practices help in realising the vision of a circular economy come true in plastic waste management.

The webinar would elaborate on the two aspects:

1. The top-down approach of plastic waste management applying the principles of circular economy and successful implementation in different countries
2. The bottom-up approach focusing on capacity building, people's participation, responsive private sector participation.

The two different approaches will give different views of looking at the problems of current plastic waste management holistically and will provide overall management of circular economy principles with case studies.

## PROPOSED AGENDA

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| 14.00-14.10 | <p><b>Opening and overall point of view</b><br/><b>Dr. Mushtaq Memon</b><br/><i>Regional Coordinator Resource Efficiency in Asia Pacific</i><br/><i>United Nations Environment Programme (UNEP)</i></p>  |
| 14.10-14.25 | <p><b>How the European regulation is shaping the recycling market – with a focus on RePET</b><br/><b>Dr. Jerome Le Borgne</b><br/><i>Project Development Director South East Asia Recycling and Recovery South East Asia Suez Services (Thailand) Ltd.</i></p> |
| 14.25-14.40 | <p><b>UNEP's work on building circularity in plastics value chain</b><br/><b>Dr. Feng Wang</b><br/><i>Programme Officer</i><br/><i>Coordinator on Circularity and Waste Economy Division UN Environment Programme</i></p>                                      |
| 14.45-15.00 | <p><b>SCG's Leadership in Promoting Plastic Waste in Downstream</b><br/><b>Dr. Vasimon Ruanglek</b><br/><i>Innovative Alliances Manager, SCG, Thailand</i></p>   |
| 15.00-15.10 | <p><b>Creating Plastic Circular Economy through Developing Entrepreneurship</b><br/><b>Dr. Atitaya Panuvatvanich</b><br/><i>Managing Director</i><br/><i>INC Square Co., Ltd., Thailand</i></p>  |
| 15.10-15.20 | <p><b>Capacity Building Needs and Means to Promote CE in Plastic Waste Management</b><br/><b>Prof. Chettiyappan Visvanathan</b><br/><i>Professor, Environmental Engineering and Management Program, AIT</i></p>  |
| 15.20-15.30 | <p><b>Q&amp;A</b></p>  |
| 15.30-15.35 | <p><b>Closing remarks</b><br/><b>Dr. Mushtaq Memon</b></p>   |

**Register Here**



<https://forms.gle/MMu833RCuLPKaD3N8>

## CONTACT

**Dr. Mushtaq Ahmed Memon**  
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*UN Environment Programme, Regional Office for Asia and the Pacific*  
*Project Manager*  
*Regional Policy Advocacy Component*  
*(SWITCH-Asia – the European Union funded programme)*  
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## PROFILES OF THE SPEAKERS



### Dr. Mushtaq Ahmed Memon

*Regional Coordinator Resource Efficiency in Asia Pacific United Nations Environment Programme (UNEP)*

**Dr. Memon** is working with UN Environment (United Nations Environment Programme) as a Regional Coordinator for Resource Efficiency in Asia Pacific Office located in Bangkok. He is supporting resource efficiency, sustainable consumption and production, green economy, green financing, sustainable public procurement, sustainable tourism, sustainable industries and various areas for Asia and the Pacific. He is also implementing EU funded SWITCH-Asia Phase 2 component by UN Environment to support Sustainable Development Goals (SDGs), especially SDG 12 on sustainable consumption and production in the region. He got his Masters in Project Management and National Development from University of Bradford in UK, and Doctorate in Environmental and Resource Economics and Management at Hiroshima University in Japan.



### Dr. Jerome Le Borgne

*Project Development Director South East Asia Recycling and Recovery South East Asia Suez Services (Thailand) Ltd.*

**Dr. Jerome Le Borgne** is in charge of the development of Suez Recycling and Recovery in South East Asia. As a global expert in the water and waste sectors, SUEZ helps cities and industries in the circular economy to preserve, optimize and secure the resources essential for the future. Jerome has been at the front end of multiple Public-Private Partnerships mostly in the Waste to Energy business across cities in South East Asia.



### Dr. Vasimon Ruanglek

*Innovative Alliances Manager Circular Economy Office SCG, Thailand*

**Vasimon Ruanglek** serves as Innovative Alliances Manager in SCG Chemicals Co., Ltd handling International & Regional Alliances with integrative Innovation. Her area of expertise includes Biosciences, Environmental Solutions & Circular Economy. She holds a Doctorate Degree from University of Kent in Biosciences – Microbiology in the United Kingdom. In addition to that, she holds Masters in business administration from Chulalongkorn University and Masters in Biotechnology from University of Kent, UK. She also worked as Program Manager and Senior Researcher in SCG for a span of 7 years.



### Dr. Feng Wang

*Programme Officer, Coordinator on Circularity and Waste Economy Division UN Environment Programme*

**Dr. Feng Wang** serves as a Programme Officer in UN Environment in its Paris office. He manages projects in the areas of Life Cycle Thinking and Sustainable Consumption and Production, to promote the application of life cycle knowledge in both public and private sectors. Feng holds a Doctorate Degree from Delft University of Technology in the Netherlands, on topics of eco-design and waste management of obsolete products. Before joining UN Environment, he worked as a researcher in the United Nations University in Germany and a visiting researcher in Statistics Netherlands, to carry out projects on quantifying global flows and environmental impact of electronic waste, and to provide policy recommendations and technical solutions for developing countries.



### Dr. Atitaya Panuvatvanich

*Managing Director INC Square Co., Ltd., Thailand*

**Atitaya Panuvatvanich** serves as Managing Director of INC SQUARE CO., LTD., Thailand. She holds a Doctoral of Engineering degree from AIT and master's in business administration from Chulalongkorn University. She has 15 years of relevant working experience in environmental engineering, wastewater treatment, decentralized sanitation technologies, faecal sludge Management and circular economy. She was taking care on all technology transfer of technologies and IP under Non-profit organization to be able to commercialize. She also helps the researchers match up with investors or donors for their innovations and work as consultancy, installation, monitoring, and connecting contacts for further requirements of research or implementation.



### Prof. Chettiyappan Visvanathan

*Professor, Environmental Engineering and Management Program, AIT*

**Prof. Chettiyappan Visvanathan** is a Professor at School of Environment, Resources and Development, Asian Institute of Technology, Thailand. He lectures in Environmental Engineering and Management Program. He holds a Doctoral degree in Chemical/Environmental Engineering, Institut de Genie Chimique, Institut National Polytechnique, Toulouse, France. His expertise includes Solid – liquid separation technologies for water and wastewater treatment, Clean technologies, Circular economy for plastic waste management and Industrial pollution control.



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