

**APO International Environmental and Economic Forum:  
Action for the Future and Moving toward a Virtuous Circle for Sustainable Development**

11-13 May 2017, Saigon Exhibition and Convention Center, Ho Chi Minh City, Vietnam

Time	Day 1: Thursday, 11 May 2017
13:00 – 13:30	Registration for the Forum <i>Venue: Meeting Room 2, Level 3, SECC</i>
<b>APO International Environmental and Economic Forum Opening Session</b> <i>Venue: Meeting Room 2, Level 3, SECC</i>	
13:30 – 13:40	<b>Remarks by Mr. Nguyen Hoang Linh</b> Vice Director-General, Directorate for Standards, Metrology and Quality, Vietnam
13:40 – 13:50	<b>Remarks by Dr. Santhi Kanoktanaporn</b> Secretary-General, Asian Productivity Organization
13:50 – 14:10	<b>Keynote Speech by Mr. Hajime Bada</b> Chairperson, Green Productivity Advisory Committee, and Honorary Adviser, JFE Holdings, Inc.
14:10 – 14:15	Group Photo
<b>Plenary Session 1 Circular Economy</b> Moderator: Prof. Ma Hwong-wen Professor, Graduate Institute of Environmental Engineering, National Taiwan University, ROC	
14:15 – 14:45	<b>APO, Sustainability, and Circular Economy</b> Dr. Prasad Modak Executive President, Environmental Management Centre, India
14:45 – 15:15	<b>Circular Economy: Concept, Practice, and the Role of Technology</b> Mr. Ken Webster Head of Innovation, Ellen MacArthur Foundation, United Kingdom
15:15 – 15:45	<b>Green Industry, an Important Part of Inclusive and Sustainable Industrial Development (UNIDO)</b> Dr. Heinz Leuenberger Chief Technical Advisor, United Nations Industrial Development Organization
15:45 – 16:00	Tea Break

16:00 – 16:30	<p align="center"><b>Dematerialized Service Economy in the Age of Anthropocene</b></p> <p align="center">Prof. Ryoichi Yamamoto Emeritus Professor, University of Tokyo, Japan</p>
16:30 – 17:30	<p align="center">Panel Discussion and Q&amp;A</p> <p align="center"><i>How does Circular Economy Lead to Sustaining Productivity Growth?</i></p> <p align="center">Led by Prof. Ma Hwong-wen and Mr. Ken Webster</p>
End of Day 1	

Time	Day 2: Friday, 12 May 2017
08:45 – 09:00	<p align="center">Registration</p> <p align="center"><i>Venue: Meeting Room 2 Level 3, SECC</i></p>
<p><b>Plenary Session 2</b> <b>Pollution Control</b></p> <p align="center">Moderator: Dr. Heinz Leuenberger Chief Technical Advisor, United Nations Industrial Development Organization</p>	
09:00 – 09:30	<p align="center"><b>Pollution Control Policies and Practices in Vietnam</b></p> <p align="center">Dr. Pham Hong Nhat Head of Environmental Monitoring Division, Institute of Tropical Environment, Vietnam</p>
09:30 – 10:00	<p align="center"><b>Pollution Control in India</b></p> <p align="center">Dr. Prasad Modak Executive President, Environmental Management Centre, India</p>
10:00 – 10:30	<p align="center"><b>Eco Industrial Park Initiative in Vietnam</b></p> <p align="center">Dr. Heinz Leuenberger Chief Technical Advisor, United Nations Industrial Development Organization</p>
10:30 – 10:45	Tea Break
10:45 – 11:00	<p align="center">Membrane Technology for Water Pollution</p> <p align="center">Mr. Kazuki Wakayoshi, Assistant Manager, RO Membrane Products, Toray Industries</p>
11:00 – 11:15	<p align="center">ARIORES Water Treatment Technology</p> <p align="center">Ms. Thanamon Leelart and Ms. Hoang Thu Phuong, ANES (Thailand)</p>
11:15 – 11:30	<p align="center">High Concentration Organic Wastewater Treatment</p> <p align="center">Tomoe Engineering</p>
11:30 – 12:15	<p align="center">Panel Discussion and Q&amp;A</p> <p align="center"><i>Pollution Management in Asia – Challenges and Solutions</i></p> <p align="center">Led by Dr. Pham Hong Nhat and Dr. Heinz Leuenberger</p>

**Plenary Session 3  
Waste Management**

Moderator: Dr. Prasad Modak  
Executive President, Environmental Management Centre, India

13:30 – 14:00	<b>Resource Efficiency and Management of Secondary Raw Materials</b> Mr. Uwe Becker Project Director, Gesellschaft für Internationale Zusammenarbeit (GIZ), Germany
14:00 – 14:30	<b>Sustainable Material Management</b> Prof. Ma Hwong-wen Professor, Graduate Institute of Environmental Engineering, National Taiwan University, ROC
14:30 – 15:00	<b>Sustainable Consumption and Production in Asian Countries</b> Dr. Patrick Schroeder Research Fellow, Institute of Development Studies, United Kingdom
15:00 – 15:15	Tea Break
15:15 – 15:30	Waste Management in Cement Production Ms. Azusa Uehara, Taiheiyo Cement Corporation
15:30 – 15:45	Waste Management with Energy from Waste Plant Mr. Marc Nyhan, Takuma
15:45 – 16:00	APP Circular Economy Initiatives: Waste Reduction to Community Empowerment Mr. Andy Hermanto, Sustainability Specialist, Asia Pulp & Paper Group
16:00 – 17:00	Panel Discussion and Q&A <i>Steps to Move toward Zero-waste Generation</i> Led by Dr. Prasad Modak and Mr. Uwe Becker
17:00	Meet and Travel to Golden Central Hotel by VNPI Bus <i>Venue: Front Entrance, SECC</i>
End of Day 2	

Time	Day 3: Saturday, 13 May 2017
08:45 – 09:00	Registration <i>Venue: Meeting Room 2 Level 3, SECC</i>
<p><b>Plenary Session 4 Trends and Strategies for Circular Economy</b></p> <p>Moderator: Dr. Patrick Schroeder Research Fellow, Institute of Development Studies, United Kingdom</p>	

09:00 – 09:30	<p><b>Win-Win Strategies and Solutions between Assistance Providers and Recipients: Experience from GIZ</b></p> <p>Mr. Uwe Becker Project Director, Gesellschaft für Internationale Zusammenarbeit (GIZ), Germany</p>
09:30 – 10:00	<p><b>How can Circular Economy Create Jobs and Save Lives in Low and Middle-income Countries?</b></p> <p>Dr. Patrick Schroeder Research Fellow, Institute of Development Studies, United Kingdom</p>
10:00 – 10:30	<p><b>Strategies and Policies to Initiate Circular Economy: The Experience from Taiwan</b></p> <p>Prof. Ma Hwong-wen Professor, Graduate Institute of Environmental Engineering, National Taiwan University, ROC</p>
10:30 – 10:45	Tea Break
10:45 – 11:15	<p><b>Circular Economy for the Asia-Pacific Region</b></p> <p>Mr. Ken Webster Head of Innovation, Ellen MacArthur Foundation, United Kingdom</p>
11:15 – 12:15	<p>Panel Discussion and Q&amp;A</p> <p><i>How can Asia-Pacific Countries Start to Move toward Circular Economy and Sustainable Growth?</i></p> <p>Led by Dr. Prasad Modak and Dr. Patrick Schroeder</p>
<p><b>Plenary Session 5</b> <b>Technologies and Corporate Initiatives</b></p> <p>Remarks by Mr. Yukio Yanase Honorary Adviser, ORIX Corporation</p>	
13:30 – 13:45	<p>TOTO's Global Environmental Vision Mr. Anh Luu-Duc, TOTO Vietnam</p>
13:45 – 14:00	<p>Waste-to-Energy Technology and Methane Fermentation System Mr. Masuda Taku, Plant Business Department, Hitachi Zosen</p>
14:00 – 14:15	<p>Cases of Successful Purchasing by SARAYA for the Retail Markets Mr. Mitsuo Takeuchi, VP for Social Relations, Saraya</p>
14:15 – 14:45	<p>Environment and Energy Business of ORIX Mr. Yukio Yanase, Honorary Adviser, ORIX Corporation</p>
14:45 – 15:30	Tea Break
15:30 – 16:00	<p><b>Closing Session</b></p> <p>Vote of Thanks Closing Remarks by VNPI and APO Certificate Presentation</p>

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**Speakers' profiles**



**Dr. Prasad Modak**  
**Executive President**  
**Environmental Management Centre, India**

Dr. Modak obtained BTech (Civil Engg-1978) and MTech (Environmental Science and Engg-1980) from Indian Institute of Technology (IIT) Bombay. He received Doctor of Environmental Engineering from Asian Institute of Technology, Bangkok, Thailand in 1984 before joining the Centre for Environmental Science and Engineering at IIT Bombay as a faculty.

He set up Environmental Management Centre in 1995 and has been working extensively with prominent international organizations, government agencies, and think tanks, including United Nations Environment Programme (UNEP), Geneva, Osaka and Paris; United Nations Development Programme (UNDP), New York, UN Department of Economic and Social Affairs (DESA), New York; United Nations Industrial Development Organization (UNIDO), Vienna; Dept for International Development (DFID); London; Deutsche Gesellschaft for Technische Zusammenarbeit (GTZ) and Carl Duisburg Gesellschaft (CDG), Germany; Asian Productivity Organization (APO), Tokyo; Swedish International Development Agency (SIDA), Embassy of the Netherlands, New Delhi; Food and Agricultural Organization (FAO), the World Bank (WB), International Finance Corporation (IFC) and the Asian Development Bank (ADB). He also provided policy advice to the Governments of India, Bangladesh, Egypt, Indonesia, Mauritius, Thailand, and Vietnam.

Dr. Modak has authored and executed more than 300 consulting reports and trained more than 5000 professionals across the world. He also published books about Environmental Impact Assessment, textile industry, and waste minimization and coordinated reports and learning materials on pollution, waste management, and recycling with major international bodies.



**Mr. Ken Webster**  
**Head of Innovation**  
**Ellen MacArthur Foundation, United Kingdom**

Mr. Webster has worked with the Ellen MacArthur Foundation since January 2010 as Head of Innovation (since 2012) and Head of Learning. He has been providing keynote addresses on circular economy and developing future strategies and business advice on the idea/scope of a circular economy.

His background is in economics and business education and education for sustainability. He is the author of The Circular Economy: A Wealth of Flows (EMF May 2015) and Sense and Sustainability (Terra Preta 2009). He is Honorary Teaching Fellow at the University of Bradford's School of Management and a major contributor to their MBA Enterprise, Innovation and the Circular Economy.



**Dr. Heinz Leuenberger**  
**Chief Technical Advisor**  
**United Nations Industrial Development Organization**

Dr. Leuenberger works as Chief Technical Advisor for two UNIDO projects: Moving three industrial parks towards eco industrial parks in Vietnam and the build-up of a RECP centre in the Ukraine. Previous to his retirement in October 2014, he served as Director of the Environmental Management Branch (EMB) of UNIDO since March 2006. The Branch was responsible for activities related to resource efficient and cleaner production, waste, chemicals, and water management and the reduction of mercury use in artisanal gold mining. The Branch had also activities in the area of sustainable management of large marine eco-systems, the implementation of measure related to the Stockholm Convention and is assisting municipalities and cities in methodologies and tools to improve environmental performance of its industries.

Dr. Leuenberger coordinated the redesign and strengthening of the “Global joint UNIDO-UNEP Resource Efficient and Cleaner Production” program and he was mainly involved in the design, formulation, and implementation of the “Green Industry Initiative” of UNIDO. Prior to joining UNIDO, Dr. Leuenberger was Professor at the FHNW. From 1991 to 1999 he was the Head of the Environmental Technology Institute (IFU) at the University of Applied Sciences, in Muttenz, Switzerland, and he lectured as Professor in a postgraduate course on “Environmental Technology and Management.” From 1999 to 2002 he served as Chief Technical Adviser (CTA) for the Vietnam Cleaner Production Centre at the Hanoi University of Technology.

Dr. Leuenberger holds a Master’s Degree and a PhD in Chemistry both from the Federal Institute of Technology (ETH) in Zurich, Switzerland.



**Prof. Ryoichi Yamamoto**  
**Emeritus Professor**  
**University of Tokyo, Japan**

Prof. Yamamoto is an Emeritus Professor from the University of Tokyo, focusing on areas of eco-design and life cycle assessment, eco-materials, crystalline lattice defects, thinfilms and superlattices, computational materials science, sustainable management, and ethical consumption.

He also serves as Visiting Professor of the International Christian University, Honorary Chair of the International Green Purchasing Network (IGPN), and Chair of the Japan Ethical Initiative (JEI). He has published nearly 400 scientific papers and 40 books covering various areas, such as eco-design, sustainable company, eco-material revolution, strategies for global warming, mitigation, adaptation, and geoengineering, green economy, and ethical purchasing for sustainable societies.





**Dr. Pham Hong Nhat**  
**Head of Environmental Monitoring Division**  
**Institute of Tropical Environment, Vietnam**

Dr. Nhat has served in the Institute of Tropical Environment (formerly Vietnam Institute for Tropical Technology and Environmental Protection) for more than 20 years and has extensive research experiences in waste and pollution management in Vietnam. He has also published or presented more than 40 research papers.

Dr. Nhat obtained his Master's Degree in Environmental Science and Technology from IHE Delft Institute in the Netherlands and Eawag in Switzerland and his PhD in Environmental Sciences from Wageningen University, the Netherlands.



**Mr. Uwe Becker**  
**Project Director**  
**Gesellschaft für Internationale Zusammenarbeit (GIZ), Germany**

Since 2014, Mr. Becker has been working for Deutsche Gesellschaft fuer Internationale Zusammenarbeit (GIZ) GmbH in India as Director of the project "Resource Efficiency and Sustainable Management of Secondary Raw Materials" within the bilateral Indo-German cooperation. The project is funded by the International Climate Initiative (IKI) of the Federal German Ministry of Environment, Nature, Building, and Nuclear Safety, and the implementation partner in India is the Ministry of Environment, Forests and Climate Change, Government of India. The project targets at the development of policy advice towards a national programme for resource efficiency and utilization of secondary raw materials in India in the fast growing sectors such as automotive and construction.

Prior to his work with the GIZ, Mr. Becker worked in consultancy in the fields of sourcing, transport, production, renewable thermal power generation, secondary fuels and biomass, and waste selection and separation. He had also served as officer in the German Army, after having graduating from the University of German Army with a focus on civil engineering.



**Prof. Ma Hwong-wen**  
**Professor, Graduate Institute of Environmental Engineering**  
**National Taiwan University, ROC**

Prof. Ma serves as Professor at the Graduate Institute of Environmental Engineering (GIEE), National Taiwan University. He obtained his PhD from the Department of Environmental Sciences and Engineering, University of North Carolina at Chapel Hill, USA, and had served as Director of GIEE and Secretary-General and Chair of Environmental Planning and Management Committee, Chinese Institute of Environmental Engineering.

His research focuses on the development of integrated environmental assessment methods, which involve a combination of tools, including material flow analysis, life cycle assessment, risk assessment, and input-output analysis. The methods are applied to strategic environmental assessment, energy policy planning, and sustainable resource management, with purpose of depicting transition paths to sustainability.



**Dr. Patrick Schroeder**  
**Research Fellow**  
**Institute of Development Studies, United Kingdom**

Dr. Schroeder's main research expertise and interests relate to the global transition to a circular economy within the context of sustainable consumption and production (SCP) systems and the Sustainable Development Goals (SDGs). He also has strong expertise on issues relating to China's policies on renewable energy development, circular economy and civil society participation in China's environmental governance. His academic research practice is complemented by his experience of working as sustainable development consultant in international cooperation programmes with

UNEP, GIZ and the EU.

He has been focusing on the areas of sustainable consumption and production systems, circular economy, civil society participation in environmental governance, low-carbon policies, sustainable waste management, renewable energy policies, energy efficiency (buildings and industrial), and international climate change negotiations. He also has extensive experiences in the following geographical areas: Asia – China (2008-2015), India (2015), Indonesia (2014), the Philippines (2014), Sri Lanka (2014), Thailand (2014), and Japan (2009-2010); New Zealand (2001-2008); Europe – Germany and UK; Africa – Nigeria (2016); South America – Peru (2014) and Brazil (2012).

Dr. Schroeder obtained his Master's Degree in International Relations and PhD in Environmental Studies from Victoria University of Wellington, New Zealand.