







5 GREEN INDUSTRY CONFERENCE FOR SUSTAINABLE DEVELOPMENT

3-5 October 2018 Bangkok, Thailand

CONCEPT AND AGENDA

Organized by the

UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION (UNIDO)

Together with the

UNITED NATIONS ECONOMIC AND SOCIAL COMMISSION FOR ASIA AND THE PACIFIC (ESCAP)

And with the support of

THE MINISTRY OF INDUSTRY, KINGDOM OF THAILAND







1. Background

The 5th Green Industry Conference will take place from 3-5 October 2018, in Bangkok, Thailand, and is organized by the United Nations Industrial Development Organization (UNIDO), the United Nations Economic and Social Commission for Asia and the Pacific (ESCAP), and the Ministry of Industry, Kingdom of Thailand.

Held since 2009, the Green Industry Conference is the premier global conference on green industry trends and practices organized every two years by UNIDO and partner organizations. Previous conferences were held in Ulsan, Republic of Korea (2016); Guangzhou, China (2013); Tokyo, Japan (2011); and Manila, Philippines (2009). The aim of the Green Industry Conference is to scale up and mainstream green industry policies, methods and techniques throughout developing and transition-economy industries.

With the launch of the 2030 Agenda, inclusive and sustainable industrial development has been recognized, together with resilient infrastructure and innovation, as a key element of sustainable development.

Green Industry, as defined by UNIDO, offers a development pathway consisting of two mutually supportive components: a) improving the environmental, social and economic performance of existing industries, and b) creating new competitive industries delivering environmental goods and services.

By showing how Green Industry creates jobs and economic opportunities to diversify the economy, while decreasing resource dependency and pollution, the conference will illustrate how the concept of Green Industry helps countries achieve multiple development objectives, in the context of the 2030 Agenda for Sustainable Development.

2. Objectives

The 5th Green Industry Conference (GIC) will be held under the title "Green Industry for Sustainable Development" and will aim to help governments; industry leaders and related stakeholders design solutions to advance sustainable development through the greening of industry, as indicated by the Sustainable Development Goal (SDG) 9 of the 2030 Agenda. In order for economies to develop along a sustainable trajectory, it becomes necessary to address economic growth and negative environmental impacts in tandem.

3. Expected Output

As in the previous four conferences, the conference will result in a conference statement, adopted by acclamation by the conference's participants, which will inform future international engagements on Green Industry, and provide an additional impetus for the promotion of Green Industry policies, practices and products in developing and transition-economy industries around the world.







4. Tentative Agenda

Overview

Green Industry Conference Day 1

Wednesday	, 3 October 2018
09:30-10:15	Official Opening and Setting the Stage (Conference Room 1)
10:15-10:45	Keynote Presentation (Conference Room 1)
10:45-11:05	Marking 50 Years of Thailand-UNIDO Cooperation (Conference Room 1)
11:05-11:30	Networking Break
11:30-13:00	High-Level Plenary - Regional Perspectives on Green Industry Policy (Conference Room 1)
13:00-14:30	Lunch Break
14:30-16:00	Plenary - Resource Management and Circular Economy (Conference Room 1)
16:00-16:30	Networking Break
16:30-18:00	Parallel Sessions – Greening Businesses and Supply Chains
	Parallel Session A: Greening SMEs and Jobs (Meeting Room H)
	Parallel Session B: Waste Management (Meeting Room F)
	Parallel Session C: Eco-Industrial Parks for Green Industry (Conference Room 1)
18:00	Cocktail Reception Hosted by the Ministry of Industry, Thailand

Green Industry Conference Day 2

Thursday, 4 October 2018		
09:00-10:30	The Winner's Circle: Clean Technologies and Innovative Business Models (Conference Room 1)	
10:30-11:00	Networking Break	
11:00-12:30	Parallel Sessions – Building Green Industry Infrastructures of the Future	
	Parallel Session D: Greening Investments along the Belt and Road Initiative (Conference Room 1)	
	Parallel Session E: Eco-Towns and Sustainable Cities (Meeting Room H)	
	Parallel Session F: Monitoring Green Development (Meeting Room F)	
12:30-14:00	Lunch Break GGGI Side Event: Greening Industry through Green Growth Programs	
14:00-15:30	Plenary - Financing Green Industrial Development (Conference Room 1)	
15:30-16:00	Networking Break	
16:00-17:30	Summary and Closing (Conference Room 1)	

Green Industry Conference Day 3

Friday, 5 October 2018	
07:00-15:00	Field Visits – Green Industrial Development







Detailed Agenda

Green Industry Conference Day 1

Wednesday, 3 October 2018

09:30-11:05 - Official Opening and Setting the Stage

(Conference Room 1)

Opening of the 5th Green Industry Conference organized by the United Nations Industrial Development Organization (UNIDO), the United Nations Economic and Social Commission for Asia and the Pacific (ESCAP) and hosted by the Ministry of Industry, Thailand.

09:30 - 10:15	 Welcome Welcoming of all participants to Thailand and the conference; overview of the two-day programme. Ms. Nilgun Tas, Deputy Director, Department of Environment, UNIDO Introductory Remarks Preface and context of the conference's events delivered by the host country and organizing partners. H.E. Mr. Uttama Savanayana, Minister of Industry, Thailand Mr. LI Yong, Director General, UNIDO Mr. Hongjoo Hahm, Officer-in-Charge, ESCAP
10:15 - 10:45	 Keynote Presentation A thought leader in the area of sustainable industrial development will set the scene for the conference's proceedings over the next two days. Ms. Linda Godfrey, Principal Scientist, Council for Scientific and Industrial Research (CSIR) South Africa
10:45 - 11:05	 Marking 50 Years of Thailand-UNIDO Cooperation Exchange of Joint Communique to Mark 50 Years of Thailand-UNIDO Cooperation H.E. Mr. Uttama Savanayana, Minister of Industry, Thailand Mr. LI Yong, Director General, UNIDO Signing of a Joint Declaration between UNIDO and the Federation of Thai Industries (FTI) Mr. LI Yong, Director-General, UNIDO Mr. Supant Mongkolsuthree, Chairman, Federation of Thai Industries (FTI)

11:05-11:30 - Networking Break







11:30-13:00 - High-Level Plenary - Regional Perspectives on Green Industry Policy

(Conference Room 1)

Representatives of national governments around the world present the status of green industrial development in their countries, and describe the possible ways forward, as well as major impediments, to the realization of truly green industries.

11:30 -

Speeches and Presentations

13:00

Ministers of Industry, Natural Resources and Environment outline key points relevant to the development of green industries in the national context, with focus on opportunities and challenges.

Moderator:

- H.E. Mr. Songsak Saicheua, Former Ambassador and Permanent Representative of Thailand to the United Nations in Vienna
- H.E. Mr. Erik Grigoryan, Minister of Nature Protection, Armenia
- H.E. Mr. Amir Hossain Amu, Minister of Industry, Bangladesh
- H.E. Mr. U Khin Maung Cho, Union Minister of Industry, Myanmar
- H.E. Mr. Artan Shkreli, Deputy Minister of Infrastructure and Energy, Albania
- H.E. Ms. Bounkham Vorachit, Vice-Minister of Natural Resources and Environment, Lao PDR
- H.E. Mr. Phork Sovanarith, Secretary of State, Ministry of Industry and Handicraft,
- H.E. Mr. Enkhbat Daajin, State Secretary, Ministry of Food, Agriculture and Light Industry, Mongolia

Panel Discussion

Facilitated discussion with the participants, including a questions and answers session with the audience.

Suggested topics/questions:

- Which national policies and sectoral plans enable countries to create conducive conditions to transform existing industries and promote new green industries?
- Which policies have helped reduce resource use, while creating new business opportunities?
- What has been the role of public-private partnerships in green industry development?

13:00-14:30 - Lunch Break

Buffet lunch and networking session for all participants







14:30-16:00 - Plenary - Resource Management and Circular Economy

(Conference Room 1)

This plenary session will demonstrate how state-of-the-art circular economy solutions can improve resource management and the overall economic efficiency in the manufacturing sector.

14:30 -

Panel Discussion

16:00

The session will feature a facilitated discussion between international experts that will share perspectives on the fundamental role of resource management and circular economy in industry; global trends and movement on making circular economy the "business as usual approach"; and measures to promote implementation of circular economy principles and practices on the ground, particularly in developing countries.

Moderator:

- Mr. Stefanos Fotiou, Director, Environment and Development Division, ESCAP
- Mr. Harald Friedl, CEO, Circle Economy
- Mr. Zhu Bing, Director, Institute of Circular Economy, Tsinghua University
- Ms. Nan Boonyachut, Senior Engineer, Recycling Industry Innovation Group, Ministry of Industry, Thailand
- Ms. Laksmi Dhewanthi, Senior Advisor to the Minister on Industry and International Trade, Ministry of Environment and Forestry, Indonesia
- Mr. Numpol Limprasert, Sustainable Development Director, Siam Cement PLC
- Ms. Maria Chiara Femiano, Programme Manager, Delegation of the European Union to Thailand
- Mr. Stephan Sicars, Director, Department of Environment, UNIDO

Suggested topics/questions:

- What are some of the circular solutions implemented by businesses?
- Which opportunities do circular solutions offer?
- What is needed to promote the implementation of circular solutions?

16:00-16:30 - Networking Break







16:30-18:00 - Parallel Sessions - Greening Businesses and Supply Chains

This series of parallel sessions will outline purposeful action by SMEs, MNCs, business associations and industrial parks, to green their operations and to create green jobs in pursuit of the Sustainable Development Goals (SDGs).

16:30 -

Parallel Session A: Greening SMEs and Jobs (Meeting Room H)

18:00

This session will discuss how to remove barriers to the greening of SMEs and discuss how to help SMEs leverage investments that result in efficiency gains, market access, new green jobs and increased revenue, based on short payback periods.

Moderator:

- Mr. Dejene Tezera, Director, Department of Agribusiness Development, UNIDO
- Mr. Zhang Weihong, CEO, Liebherr China
- Mr. Oleksii Vedmiediev, CEO, DBK Fundament Ltd., Ukraine
- Ms. Anya Sapphira, Sustainability Program Manager, Hennes & Mauritz (H&M)
- Ms. Cristina Martinez, Senior Specialist, Environment and Decent Work, ILO
- Mr. Hung Ba Nguyen, Trade Specialist, Public Management, Financial Sector & Trade Division, Asian Development Bank
- Mr. Leslie Smith, National Ozone Officer, Ministry of Finance, Planning, Economic Development & Physical Development, Grenada

Suggested topics/questions:

- Which successful results have SMEs achieved in reducing resource use and increasing productivity?
- What are the lessons learned in greening supply chains?
- Which barriers need to be removed for further greening SMEs and promoting new green SMEs?
- What is the link between greening of SMEs and creation of green jobs, and do the two require similar or different policies?
- What role can civil society, communities, workers, employers, and governments play in stimulating the creation of green jobs?

Parallel Session B: Waste Management (Meeting Room F)

Plastic waste and waste electronic and electrical equipment are issues which disproportionately affect developing and transition economies. This session will focus on presenting solutions for the economically-sound management of waste and the generation of employment through the development of collection and processing industries.

Moderator:

- Mr. Klaus Tyrkko, Chief, Stockholm Convention Division, Department of Environment, UNIDO
- H.E. Mr. Norbert Barthle, Parliamentary State Secretary to the Federal Minister for Economic Cooperation and Development (BMZ), Germany
- Mr. Otmar Deubzer, Scientific Adviser, Sustainable Cycles (SCYCLE), UNU-ViE
- Mr. Ferdinand Pareja, Head, Waste Management Office, General Santos City, Philippines
- Mr. Moussa Dia, Director General, SODIAPLAST Guinée Conakry
- Ms. Anke Joas, Independent Senior Advisor Environment and Health







Suggested topics/questions:

- What are some of the good practices in processing plastics and e-waste?
- How are the current trends in waste trade, particularly of plastics and e-waste impacting on new business opportunities and challenges that SMEs and countries face?
- Which strategies and technologies are available for sustainable recycling of plastics and ewaste?

Parallel Session C: Eco-Industrial Parks for Green Industry (Conference Room 1)

In developing and transition economies, where most of global industrial production is concentrated, the number of industrial parks being transformed to eco-industrial parks and new ones under development is steadily increasing. This session will look at the emerging global framework for the development of eco-industrial parks that increase efficiencies and symbioses, while reducing waste and the use of toxic materials in industrial production.

Moderator:

- Mr. Smail Alhilali, Chief, Emerging Compliance Regimes Division, Department of Environment, UNIDO
- Mr. Suren Erkman, Head, Industrial Ecology Group, University of Lausanne
- Mr. Bharat Jain, Director, Gujarat Cleaner Production Centre
- Mr. Carlos Toro, Director of Projects, Colombia National Cleaner Production Centre
- Mr. Ndivhuho Raphulu, Director, National Cleaner Production Centre South Africa
- Mr. Ngakan Timun Antara, Head, Agency for Research and Development, Ministry of Industry, Indonesia
- Mr. Chaiyod Bunyagidj, Advisor to the CEO, United Analyst and Engineering Consultant
- Mr. Raghu Babu Nukala, Project Director, Sustainable and Environment-Friendly Industrial Production, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)

Suggested topics/questions:

- What are the characteristics of an eco-industrial park?
- What are some success stories from eco-industrial parks and what factors contributed to their success?
- What is the role of public-private partnerships in developing eco-industrial parks?

18:00-20:00 - Cocktail Reception: 50 Years of Thailand-UNIDO Cooperation Hosted by the Ministry of Industry, Thailand

Cocktail reception hosted by the Ministry of Industry, Thailand on the occasion of 50 years of Thailand-UNIDO cooperation takes place at the Conference Center for all conference participants.

Congratulatory remarks to be delivered by:

- H.E. Mr. Somchai Harnhirun, Deputy Minister of Industry, Thailand
- H.E. Ms. Eva Hager, Ambassador of Austria to Thailand
- Mr. LI Yong, Director General, UNIDO







Green Industry Conference Day 2

Thursday, 4 October 2018

09:00-10:30 - The Winner's Circle: Clean Technologies and Innovative Business Models

(Conference Room 1)

This showcase will feature leading green industry innovators, including winners of UNIDO's Global Cleantech Innovation Awards, and Global Chemical Leasing Awards, in which manufacturers have adopted innovative technologies and business models to solve environmental and social issues, while increasing their respective firms' financial viability.

09:00 - Panel Discussion

10:30

Recognized businesses and initiatives in the Green Industry space discuss the challenges they have helped solve through new business models and innovative approaches to inclusive and sustainable industrialization.

Moderator:

- Ms. Nilgun Tas, Deputy Director, Department of Environment, UNIDO
- Mr. Reinhard Joas, Managing Director, BiPRO, Germany
- Mr. Sena Peiris, Senior Expert on Policy Development, SAICM SMART Chemicals Management Project, Sri Lanka
- Ms. Jaruwan Khammuang, Director, GROW, Thailand
- Ms. Ploychatchanok Viriyathonphan, Managing and Marketing Director, Tom Casava, Thailand
- Mr. Andres Briceno, Co-Founder, Fab Lab Santiago, Chile

Suggested topics/questions:

- How would you describe your innovation and its relation to Green Industry?
- Which policies and strategies helped each innovator?
- Which challenges did each innovator have to overcome and what further support is needed?

10:30-11:00 - Networking Break







11:00-12:30 - Parallel Sessions - Building Green Industry Infrastructures of the Future

This segment will take a look at how the large-scale greening of global industry depends on infrastructure investments and industrial upgrading, with a particular focus on China's Belt and Road Initiative (BRI).

11:00 -

12:30

Parallel Session D: Greening Investments along the Belt and Road Initiative (BRI) (Conference Room 1)

This session will focus on innovative cases of applying Green Industry policies to large infrastructure investments in BRI countries and provide the forum for dialogue on enhancing their sustainability.

Moderator:

- Mr. Hu Tao, Director, China Program, WWF
- Mr. Wang Jinnan, Professor, Chinese Academy of Engineering and Head, Chinese Academy for Environmental Planning, China
- Ms. Zhang Sufang, Director, Institute for Low Carbon Economy and Trade, North China Electric Power University
- Mr. Li Hai Feng, Executive Director and Vice President, Beijing Enterprises Water Group
- Ms. Luxmon Attapich, Deputy Secretary General, Eastern Economic Corridor, Thailand
- Ms. Inhee Chung, Manager and Head of Sustainability & Safeguards Unit, Global Green Growth Institute (GGGI)

Suggested topics/questions:

- Overview of BRI, infrastructure initiatives and investments
- Sustainable infrastructure cases from countries along the BRI

Parallel Session E: Eco-Towns and Sustainable Cities (Meeting Room H)

This session will analyse the effectiveness of eco-towns / cities that have been developed to realize a more sustainable vision of urban development. This has become especially relevant in light of the fact that urban populations have over the last years surpassed those in rural areas. In this light, it will be shown how eco-towns support sustainable consumption and production and create favourable conditions for industrial-urban symbiosis.

Moderator:

- Mr. Ralph Sims, Professor, School of Engineering and Advanced Technology, Massey University
- Mr. Decha Pimpisut, Director, Bureau of Eco Industrial Development, Department of Industrial Works, Ministry of Industry, Thailand
- Mr. Junichi Sono, Deputy Director, Asian Center for Low-Carbon Society, City of Kitakyushu
- Mr. Vatsal Bhatt, Senior Energy Policy Analyst, Stony Brook University New York
- Mr. Tanawan Sintunawa, Vice President and Secretary, Green Leaf Foundation
- Mr. Ezzat Lewis Agaiby, Director, Ozone Unit, Egyptian Environment Affairs Agency
- Ms. Methawee Thatsanasateankit, Chief Marketing Officer, CryptovationXs







Suggested topics/questions:

- What is an eco-town and which policies are needed to develop eco-towns?
- Which barriers had to be overcome and which success factors contributed to implementation of eco-towns?
- What is the role of public-private partnerships in developing eco-towns?

Parallel Session F: Monitoring Green Development (Meeting Room F)

This session showcases initiatives and measurement frameworks for assessing the progress of countries towards a green industry, a green economy, and sustainable trade, as well as on measuring the impact of different policy and investment options.

Moderator:

- Ms. Mia Mikic, Director, Trade, Investment and Innovation Division, ESCAP
- Mr. Fulai Sheng, Head, Economic and Fiscal Policy Unit, UN Environment
- Mr. Ralph Luken, Senior Green Industry Adviser, Department of Environment, UNIDO
- Mr. Stephen Olson, Research Fellow, Hinrich Foundation Ltd.
- Mr. Peter Enoh, Coordinator, National Ozone Office Cameroon
- Mr. Benjamin Tyler Smith, Senior Knowledge Management Officer, Green Growth Knowledge Platform (GGKP)

Suggested topics/questions:

- What are some of the prominent green industrial policy lessons from around the world?
- What are the tools available to measure the progress of countries towards green industry, economy and sustainable trade?
- How do we measure the readiness of economies in ensuring inclusive and sustainable growth and attracting foreign direct investment?
- How can measurement frameworks help policy practitioners in deriving policy suggestions?







12:30-14:00 - Lunch Break

Buffet lunch for all participants

GGGI Side Event: Greening Industry through Green Growth Programs

The Global Green Growth Institute (GGGI) supports government partners in developing their national and sectoral green growth plans. GGGI also facilitates mobilizing green and climate finance to implement green growth projects.

This side-event will showcase how promoting green industrial practices contribute to green growth through enabling policies, financial mechanisms and initiatives. Regional experience and country examples from Thailand and Viet Nam will be introduced.

GGGI, through the Green Growth Knowledge Platform (GGKP), is also in the process of establishing a Green Industry Platform for effective knowledge sharing, learning and partnerships. A soft launch of this Platform will take place during this side-event focusing on the overview and strategy for relaunching the platform as well as providing an overview of the type of information and data the platform will include.

- Ms. Inhee Chung, Manager and Head of Sustainability & Safeguards Unit, Global Green Growth Institute (GGGI)
- Mr. Arab Hoballah, Team Lead, SWITCH-Asia SCP Facility
- Mr. Decha Pimpisut, Director, Bureau of Eco Industrial Development, Department of Industrial Works, Ministry of Industry, Thailand
- Ms. Hanh Le, Program Lead, Global Green Growth Institute (GGGI) Viet Nam
- Mr. Benjamin Tyler Smith, Senior Knowledge Management Officer, Green Growth Knowledge Platform (GGKP)







14:00-15:30 - Plenary - Financing Green Industrial Development

(Conference Room 1)

This session will highlight how financial institutions around the world are increasingly turning their attention toward sustainable and green finance, while also assessing the significant investment and knowledge gaps for financial decision-making in developing and transition economies.

14:00 -

Presentations and Panel Discussion

15:30

Representatives of the financial sector to exchange on what is being done, and what still needs to be done, to mobilize greater volumes of financial flows in support of global green industries.

Moderator:

- Mr. Stephan Sicars, Director, Department of Environment, UNIDO
- Ms. Farah Hussain, Senior Financial Officer, Treasury, World Bank
- Mr. Hideaki Iwasaki, Country Director, Thailand Resident Mission, Asian Development Bank
- Ms. Yuki Yasui, Asia Pacific Co-ordination Manager, UNEP Finance Initiative
- Mr. Ndivhuho Raphulu, Director, National Cleaner Production Center South Africa
- Mr. Pondet Ananchai, Founder and CEO, CryptovationX

Suggested topics/questions:

- What types of green financing are available?
- Which policies and strategies have helped taking up of green finance by firms, including SMEs?
- What are some of the lessons learned to date?

15:30-16:00 - Networking Break







16:00-17:30 - Summary and Closing

(Conference Room 1)

Official closing of the 5th Green Industry Conference and summary of proceedings and key findings.

16:00 -17:30

Reporting and Key Findings and Reading of Conference Statement

During this segment, the conference rapporteur will present a summary of the main points of agreement which emerged from the conference's deliberations. Feedback and further inputs will be solicited from the conference participants by the moderators.

Moderators:

- Mr. Stephan Sicars, Director, Department of Environment, UNIDO
- Ms. Mia Mikic, Director, Trade, Investment and Innovation Division, ESCAP

Conference Rapporteur:

 Mr. Edward Clarence-Smith, Senior Consultant, Green Industry, Environmental Management, CSR

Closing

The conference statement will be adopted by acclamation and the conference will be officially closed by the organizers.







Green Industry Conference Day 3

Friday, 5 October 2018

Field Visits

Visits to local industry sites relevant to green industrial development will be organized for participants of the conference.

Fuji Xerox Eco-Manufacturing (Chonburi)

In a bid to increase the re-manufacturing and re-usability of its products, Fuji Xerox operates a recycling facility in Chonburi, Thailand, that collects and disassembles end-of-life devices from nine countries in the Asia-Pacific region. The recycling system has achieved the company's zero landfill goal from the disposal of used products and consumables. The Fuji Xerox Eco-Manufacturing plant tour will demonstrate an advanced model for achieving business growth and environmental conservation at the same time.

Interface Thailand (Amata Nakorn Industrial Park, Chonburi)

The Thai subsidiary of Interface, a worldwide leader in the design and manufacture of modular carpet tiles and widely recognized as an environmental pioneer, is helping implement "Mission Zero®," a 21-year-old company-wide promise to eliminate any negative impact it has on the environment by the year 2020. Occupying the first LEED® certified building in Thailand, the 350-staff company provides manufacturing, distribution, financial, and supply chain services to Interface's customers throughout the Asia Pacific region. The company is recognized globally for its commitment to build environmental considerations into its business decisions, with Interface Thailand boasting a highly engaged and active program supporting a low environmental footprint and a strong connection with the local community.