



Regional Chapter Meeting of the Global Network for Resource Efficient and Cleaner Production (RECPnet) The Asian Pacific (ASP) Region

In parallel and back to back

The Twelfth Asia Pacific Roundtable on Sustainable Consumption and Production

Venue: Siem Reap, Cambodia

Date: 12th-14th July 2016

Summary

Background:

This is the regular regional chapter meeting of the RECPnet in Asia and the Pacific. It will bring together 16 members of the network for the following purpose:

- Boost implementation of the RECPnet Operational Strategy
- Enhance cooperation amongst RECPnet Members in the region
- Improve access to information through Knowledge Exchange amongst RECPnet Members
- Develop further capacities on emerging topics and approaches (e.g. eco-innovation)
- Discuss emerging opportunities and challenges as a basis for future activities of RECPnet within the region
- Positioning RECPnet members as qualified partners for the implementation of the 10YFP and the 2030 Agenda and strengthening their cooperation with SCP National Focal Points in the region.

The meeting took place in parallel and back to back to the 12th Asia Pacific Roundtable on SCP organized by the organization 'Asia Pacific Roundtable on Sustainable Consumption and Production'. The event is hosted by the Kingdom of Cambodia under the Ministry of Environment. The 12th APRSCP is supported by the United Nations Environment Programme (UNEP) through the EU-funded SWITCH Asia Regional Policy Support Component, SWITCH Network Facility, and RECPnet. The meeting aims to continue engaging multi-stakeholders in developing and implementing policy and business solutions towards the development and implementation of SCP related Sustainable Development Goals of the 2030 Sustainable Development Agenda at regional and national levels, including through the 10-Year Framework of Programmes on SCP and SCP mandates in Asia Pacific.

The Regional Chapter meeting of the RECPnet is organized by China National Cleaner Production Centre (CNCPC) in its capacity as Regional Executive for RECPnet in Asian Pacific (ASP) Region on 12th-14th July and jointly with UNEP.

1. Special Session within the 12th APRSCP

A Special Session on the role of SMEs in the delivery of the 2030 SD Agenda and SCP was held within the 12th APRSCP on 12 July. Around 40 participants attended.

Firstly, Liazzat Rabbiosi from UNEP presented Role of the business sector in SDGs, focusing on SMEs, their role and needs. She pointed that business was major driver of productivity, inclusive economic growth and job creation. The roles of business sectors in SDGs are 1) Partnership and cooperation; 2)



Systems based approaches: SRM, CE and Eco-innovation; 3) Life cycle thinking: LCM, labelling; 4) Embedding sustainability: eco-innovation, Build capacity of SMEs. Then she introduced Business responses to emerging sustainability trends, Key ingredients of UNEP engagement with the private sector, an example of value chain of agri-food sector, and RECPnet contribution to the Agenda, such as Create awareness of the agenda, supporting local governments to contextualize the Agenda to local issues and facilitate the translation of policy objectives into business objectives.

Yin Yuan from Regional Executive and China NCPC introduced how can RECPnet help: Introducing RECP and its role in supporting the SME. She gave a Brief introduction of RECP and RECPnet and the organization of RECPnet Executive Committee and presented the roles of Regional Executive were Foster excellence of member organisations to provide effective and efficient RECP services, Create business opportunities for the members, and Strengthen and promote the RECPnet brand and advocate RECP to the wider stakeholder community. She indicated that Resource efficient, cleaner production and eco-innovation have been recognized as valid strategies to contribute with 2030 Agenda goals related to sustainable consumption and production and a number of other goals. RECPnet is a platform for institutional synergies, environmental and business solutions tailored to SMEs. UNEP and UNIDO renew their support to the RECPnet and will promote alignment of work plans of the network and its members to 2030 Agenda.

After that, Yajing Guo from China NCPC and Rathod Punamchdra from India Gujarat CPC gave two country examples aiming to demonstrate the intervention and result. China introduced RECP Policies Framework in China and How it Support SMEs in Achieving SDGs, What China NCPC Has Done such as Innovated CPA methodology and established the technical supporting system for CPA, and Provided technical and policy advise to governmental bodies, also introduced a Case Study of Compulsory Cleaner Production Audit. India introduced RECP Assessment in Ceramic and Glass Sector and Textile and Pulp & Paper Sector in Gujarat and its main achievements, RECP in Gujarat- A new Website, RECP experiences in 2 companies, and capacity building and Dissemination of RECP in SME's.

Embedding sustainability into business: results of the eco-innovation project were presented: Long Nguyen from CCS Vietnam introduced what is eco-innovation and One case study from Vietnam; Tan Yong Nee from SIRIM Berhad, Malaysia presented what is the business case for eco-innovation in Malaysia; Samantha Kumarasena from NCPC Sri Lanka introduced Why eco-innovation is challenging and example from Sri Lanka. Bich Hoa from AIT Vietnam gave an introduction on how can policies promote eco-innovation and Green SMEs. Next were two presentations on access to finance for SMEs: Tamal Sakar from Foundation MSME, India introduced Strategising Finance Related Interventions to Promote SP: Case Study from a Completed Project of EU SWITCH ASIA; Le Xuan Tinh from Vietnam NCPC introduced Green Credit Trust Fund– A financial support mechanism for technology innovation investment in Vietnam's SMEs.

Lastly, after discussion with the audiences, Rene Van Berkel from UNIDO made a summary and wrap up.

2. RECPnet Regional Chapter Meeting

Regional Chapter Meeting of the Global Network for Resource Efficient and Cleaner Production (RECPnet) in Asian Pacific (ASP) Region was held on 13-14 July. Around 30 participants attended.



Welcoming Remarks and Introduction

Firstly, there were welcoming remarks from Patron Agencies. Rene Van Berkel from UNIDO reviewed the development of RECPnet and made some suggestions on the future. Liazzat Rabbiosi from UNEP introduced how RECPnet support in introducing RECP and its role in supporting the SMEs.

Changbo ZHOU, Director of China NCPC, Regional Executive ASP showed his thankfulness to the members to elect China NCPC as Regional Executive of RECPnet for Asia Pacific Region, and indicated China NCPC will take advantage of the RECPnet platform, deepen its own development and promote the regional cooperation from the following three aspects: First, by summarizing and integrating the RECP promotion experience of China, conduct capacity building of cleaner production and addressing climate change to the environmental administrators in other developing countries. Second, under the background of One Belt One Road Initiatives proposed by China's central government, conduct the technical consulting on environmental management and treatment for manufacturing enterprises in other Asian countries. Third, specify demands of CP Technology in key industries and demands of environment treatment technology.

Yajing Guo from China NCPC presented Background to the operational strategy, Operational Strategy for RECPnet 2015 – 2020, and the Operational Work Plan 2015 – 2017. ASP Thematic Working Groups can be divided into Capacity Building, Eco-industrial Park, Sustainable Development, RECP Technique Transfer, Energy Efficiency, LCA Tools (Eco-labels, green building certification), etc.

Secretariat Update

Hassan MEHDI from UNIDO made a presentation on Roles and Responsibilities of RECPnet Members. He introduced the latest Membership Status: RECPnet has 74 members, there into 39 Regular Members, 29 Observer Members and 6 Associate Members. There are 16 members in ASP Regional Chapter, thereinto 8 Regular Members, 6 Observer Members and 2 Associate Members. He also presented the eligibility and rights of members and the status of membership fees.

Liazzat Rabbiosi from UNEP made a presentation on RECPnet in 2030 Sustainable Development Agenda. She presented the main content of SDG and SDGs as a network of targets: trade-offs and intergrated approach, also pointed 2030 Agenda contains a clear endorsement of the business sector role. Challenges for business in the 2030 Agenda, Business roles in various goals, the role of RECPnet in the Agenda 2030 were well introduced.

Successful Practices of Thematic Working Groups

1) Capacity building

Yin Yuan from China NCPC introduced the capacity building programs provided by China NCPC. The majority of CP professionals were trained by CNCPC which started from 1995 and Scaled up from 2001, nearly 40,000 professionals have been trained. CP training system can be divided into CP training in China including Training Course of National CP Auditor, Senior Training Course of National CP Auditor and CP training workshops for officials and industries, as well as International CP training. In 2014, CNCPC provided Pollution prevention and control of POPs in steel industry. CNCPC provided International CP training for Nepal, Vietnam and Pakistan. In October 2016, CNCPC will conduct a South-South cooperation training called 2016 Seminar on Addressing Climate Change - Pathway and Implementation of Carbon Emissions Reduction. This training program will be sponsored by National Development and Reform Commission (NDRC) of China and organized by China NCPC/Chinese Research Academy of Environmental Sciences under the support of the international cooperation fund for addressing climate change. Most of expenditures are covered by NDRC.



2) Eco-industrial parks

Le Xuan Thinh from Vietnam NCPC introduced Eco-Industrial Park (EIP) Project in Vietnam. There are 4 Pilot Industrial Parks in Vietnam including 340 enterprises. They Concreted First Project Activities by using RECP, BAT etc., conducted capacity building, Improved Policy and Guideline such as Regulations on management and planning of IZ/EIP and Policies on environmental protection and environmental management in IZ, conducted Monitoring and Evaluation from Energy, Water, WW, Waste, health and safety. In result, Industrial Zones are moving towards Eco-Industrial Parks.

Rathod Punamchdra from India Gujarat CPC shared Vapi Industrial Estate as a case study of EIP in India. There are 5 Pilot Industrial Parks in 2 phases in Gujarat. Vapi Industrial Estate was established in 1967-1968, including 1700 companies, and the key sectors are Pulp & Paper (Recycle base), Chemical & distillation. From micro level, Gujarat CPC implemented a Case Studies of RECP Assessment in Recycle based Pulp & Paper industries in Vapi, such as Reduce the Edge Cutter waste by adjustment of 'Deckle Guard', Optimization of Heat Losses in Paper Dryers. From macro level, Common Environmental Infrastructures in Vapi were improved.

3) Sustainable Development

Karthik Subburaman from Asian Society for Social Improvement and Sustainable Transformation presented SDG compass. The objective of the SDG Compass is to guide companies on how they can align their strategies as well as measure and manage their contribution to the SDGs. The guide presents five steps that assist companies in maximising their contribution to the SDGs. Companies can apply the five steps to set or align their course, depending on where they are on the journey of ensuring that sustainability is an outcome of core business strategy.

Member updates: Member achievements and work plan progress (2015-2017)

1) Foundation for MSME Clusters

Key Projects Concluded (Jan 2015 to June 2016): Promoting Sustainable Development of MSME Clusters in India; Energy Savings, Improvement in Workers Health, Provide Sustainable loan products to MSMEs (Phase 1).

Key Ongoing Projects (July 2016 to December 2017): Say Yes to Sustainable Development of MSMEs (Phase 2); Innovative Science Technology and Entrepreneurship Development: 4 units started; Lean Manufacturing: Efficient Manufacturing in 50 MSMEs; 3rd Sustainable MSME BMO Award (100,000 MSMEs)

2) Centre for Resource Efficient and Cleaner Production Indonesia (CRECPI)

6 pilots of capacity building, 155 people trained from 56 enterprises. Planning training Programs in 6 pilots.

3) Confederation of Indian Industry (CII)

Rating Programs: Green Building, Green Company, Green Product Certification.

CII led Voluntary Initiatives recognised in INDC.

Over achievements: Over 209 MW of RE facilitation, Engaged with over 250 companies, 54 companies committed, Targeting 1,000 MW by 2020.

4) China National Cleaner Production Center

Key achievements in 2015:

- 2015 China National Conference on Cleaner Production



- Asia-Pacific Regional Executive of RECPnet
- "Measures for Cleaner Production Audit" (May 2016)
- Technology transfer : 46,000 USD
- Honorary title of 2015 Excellent organization (CRAES)
- Published 3 articles of SCI: Award of 2015 Outstanding Paper

Work plan in 2016-2017:

1. Conduct capacity building of CP and addressing climate change to the environmental administrators in other developing countries.
2. Conduct the technical consulting on environmental management and treatment for manufacturing enterprises in Southeast Asian countries.
3. Demand of environmental protection and CP technologies from Asia Pacific Region.

Other member updates could be found in the presentation documents.

Training session on Eco-innovation

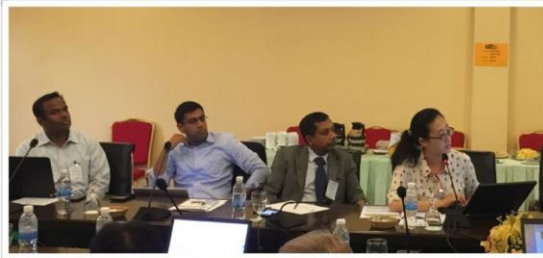
Liazzat Rabbiosi from UNEP introduced how to deliver SCP through resource efficiency, eco-innovation, and circular economy. The key ingredients of Eco-innovation are three pillars of sustainability, Life cycle thinking, Business strategy and model, and Value chain cooperation. She also introduced Pilot SME Application in Asia, Africa and South America. The promotion and implementation need to aim at system transformation through innovation, eco-innovation as a practical way to do; need to involve relevant policies and the local level government; need integration across various frameworks; need guidance and clear implementation roadmaps.

Furthermore, Nguyen Thi Bich Hoa from Asian Institute of Technology in Vietnam presented How can service providers support policy makers to mainstream SCP policies for eco innovation. Tan Yong Nee from SIRIM Berhad, Malaysia presented Eco-innovation Case Study of an Adhesive Industry. CCS Vietnam introduced the Eco-Innovation Methodology.

RECP Knowledge Management System

Michael FEGERL from UNIDO as the Global KMS Coordinator introduced elements on the RECPnet website and how RECPnet presence in social media. He also introduced there were more than 70 member organisations and 666 users had been registered on KMS. Asia-Pacific region contributed 64 of 888 documents in KMS, and Vietnam and China are the most active contributors. He also introduced Thematic Working Group in RECPnet, which is a tool for creating a knowledge sharing culture and for intensive teamwork within the global RECPnet.

Le Xuan Thinh from Vietnam NCPC introduced ASP region updates in KMS. Only some members update information: China NCPC, Vietnam NCPC, Sri Lanka, and India. KMS is designed for RECP experts only to share experience/knowledge. Partly open access to non-registered members/users. The weak points are obsolete platform: media support, administration function, not inspirational interface. Members (and Experts/Users from NCPCs) are too busy (with technical work) and least active on the KMS; some members representatives cannot be contacted.





LIST OF PARTICIPANTS

Organization	Country	Status
Asia Pacific Roundtable on Sustainable Consumption and Production (APRSCP)	Thailand	Observer
Asian Society for Social Improvement and Sustainable Transformation (ASSIST)	Philippines	Observer
Center for Resource Efficient and Cleaner Production Indonesia (CRECPI)	Indonesia	Observer
China National Cleaner Production Center	China	Regular
Cleaner Production Centre Lao PDR	Lao PDR	Observer
Confederation of Indian Industry (CII) - Sohrabji Godrej Green Business Centre	India	Regular
Foundation for MSME Clusters	India	Regular
Gujarat Cleaner Production Centre	India	Regular
Indonesian Cleaner Production Centre	Indonesia	Regular
National Cleaner Production Centre, Sri Lanka	Sri Lanka	Regular
Sustainable Engineering Research Group, Curtin University (SEG)	Australia	Associate
Vietnam Cleaner Production Centre	Vietnam	Regular
The Center for Creativity and Sustainability	Vietnam	
Asian Institute of Technology	Vietnam	
SIRIM Berhad	Malaysia	
UNEP		
UNIDO		