



## **Chinese Roundtable on Sustainable Consumption and Production (CRSCP)**

### **“Sustainable Products and Life Cycle Communication in Business and Industry”**

**- Life Cycle Management for SCP -**

**November 14<sup>th</sup>, 2009**

#### **Objectives of the roundtable:**

This 3<sup>rd</sup> SCP roundtable in China will contribute to a better understanding of the potential of Life Cycle Approaches and their wider adoption (e.g. in eco-design, cleaner production, environmental declaration, public procurement) in China's national sustainable consumption and production (SCP) policies and of ways to address changes in consumption and production patterns in the society.

The roundtable will build on the progress achieved in the two previous SCP roundtables in China (May 2006 and June 2008) and it will focus on Life Cycle Assessment (LCA) and Life Cycle Management (LCM) as tools to steer sustainable consumption and production (SCP).

#### **Estimated outcomes:**

- Capacity of key Chinese stakeholders on SCP and Life Cycle Approaches reinforced, through their better understanding of the challenges and needs for changes of consumption patterns towards SCP in China by means of Life Cycle based tools;
- Chinese Life Cycle Management Network established with active participation by core groups and companies;
- A core group of 'multipliers' – intermediaries that work with key stakeholders – aware of the relevance of the application of Life Cycle Management and committed to disseminate Life Cycle thinking in the country;
- Policy recommendations drawn on ways of inclusion of Life Cycle based tools in the private and public sector in China;
- Opportunities identified for creating synergies with the EC funded activities: SWITCH-Asia Programme and the International Reference Life Cycle Data System.

#### **Background:**

The previous EC-supported SCP roundtables in China identified priority issues and gaps in the capacity to implement SCP policies and approaches, among a range of stakeholders from both the public and private sectors.

The selection of Life Cycle Approaches as a topic for China is based on the evaluation of the priority areas identified for further collaboration and capacity building. These included:



- enhancing eco-efficiency in resource and pollution intensive industries through cleaner production, accurate resource pricing and adoption of environmental standards; and
- improving waste management through waste prevention and minimization, re-using and re-cycling.

These key elements involve LCA and LCM. Further activities which embed these elements in an overall Life Cycle Approach are of interest to the Chinese government and other stakeholders. Fostering the application of this approach is also valuable in the context of sustainable public procurement, which was cited as another priority.

### **China: Using the Life Cycle Approach to promote SCP**

China is one of the world's largest producers of goods for its own market and the world market and hence a major contributor to the consumption of raw materials and production and transport of goods. The Life Cycle Approach has a huge potential to effect change through addressing the design and production phase of products. This roundtable will raise the profile of LCA/LCM as a critical tool for all stakeholders in China. It will also help to identify patterns of resource use and consumption and pollution associated with different products and economic sectors, and engages the necessary stakeholders in assessing and addressing negative impacts.

The structure of the Roundtable has the aim to provide a space for discussion of the following questions:

- What are the international community and China doing at the policy level toward resource efficient and environmentally friendly societies?
- How can Life Cycle Approaches support the implementation of SCP in China?
- What are the Life Cycle based business cases, challenges, opportunities and needs?
- What applications are addressing consumption challenges and what opportunities and needs exist?

UNEP and EC representatives will provide a comprehensive summation of the groups, identifying the common challenges and prioritizing the identified LCM approaches for SCP in China. UNEP will also propose key options that should be explored by all parts as elements of UNEP's contribution to further support. The EC will add their potential contribution to this process.



## Tentative Agenda

<b>08:30</b>	Registration and welcome coffee	
<b>08:55</b>	Opening words	<i>China</i>
<b><i>What are the international community and China doing at the policy level towards resource efficient and environmentally friendly societies?</i></b>		
<b>09:00</b>	<b>Cradle to cradle...the road to a Resource Efficient economy</b> <ul style="list-style-type: none"> <li>Macro, mezzo and micro perspectives addressed by UNEP towards a Resource Efficient economy</li> </ul>	<i>Guido Sonnemann, UNEP-DTIE</i>
<b>09:15</b>	<b>European perspective on SCP</b> <ul style="list-style-type: none"> <li>Sustainable Consumption and Production and Sustainable Industrial Policy Action Plan in Europe</li> </ul>	<i>Soledad Blanco, European Commission, DG ENV</i>
<b>09:30</b>	<b>SCP in China</b> <ul style="list-style-type: none"> <li>Targets, policy making, achievement and challenges</li> </ul>	<i>Xiong Bilin, National Development and Reform Commission (NDRC), China</i>
<b>09:45</b>	<b>Question time</b>	
<b><i>How can Life Cycle Approaches support the implementation of SCP in China?</i></b>		
<b>10:00</b>	<b>Life Cycle Assessment and Management for Sustainable Consumption and Production in China</b> <ul style="list-style-type: none"> <li>How LCA/LCM contributes to SCP and supports Chinese policy making and policy goals</li> </ul>	<i>Hongtao Wang, Sichuan University</i>
<b>10:15</b>	<b>The UNEP/SETAC Life Cycle Initiative as a one-stop shop for Life Cycle Approaches</b> <ul style="list-style-type: none"> <li>UNEP/SETAC Framework for Life Cycle Decisions in Business and Governments</li> </ul>	<i>Sonia Valdivia, UNEP/SETAC Life Cycle Initiative</i>
<b>10:30</b>	<b>International Reference Life Cycle Data System (ILCD)</b> <ul style="list-style-type: none"> <li>Working together to support business and governments with robust life cycle based approaches "</li> </ul>	<i>Marc-Andree Wolf, European Commission's Joint Research Centre, Institute for Environment and Sustainability (JRC-IES)</i>



<b>10:45</b>	Question time	
<b>11:00</b>	Coffee break	
<b><i>What are the Life Cycle based business cases, challenges, opportunities and needs?</i></b>		
<b>11:20</b>	<b>Metals and Materials Stewardship:</b> <ul style="list-style-type: none"> <li>International experiences</li> </ul>	<i>John Atherton, International Council on Mining and Metals (ICMM)</i>
<b>11:35</b>	<b>LCA/LCM in Bao Steel (China)</b> <ul style="list-style-type: none"> <li>LCA and Energy efficiency of steel</li> </ul>	<i>Liu Yinghao, Bao Steel</i>
<b>11:50</b>	<b>Energy saving and pollution reduction in China Mobile</b> <ul style="list-style-type: none"> <li>Link with Life Cycle Management tools and experiences learned</li> </ul>	<i>Qin Guangze, China Mobile</i>
<b>12:05</b>	Question Time	
<b>12:20</b>	Lunch Break	
<b><i>What applications are addressing consumption challenges and what opportunities and needs exist?</i></b>		
<b>13:30</b>	<b>Development of First Product Category Rules (PCR) and Environmental Product Declaration in China</b> <ul style="list-style-type: none"> <li>Making PCR as national standards</li> </ul>	<i>Jiang Quan, China Building Material Test and Certification Center (CTC)</i>
<b>13:45</b>	<b>SWITCH-Asia program – Promoting sustainable consumption and production</b> <ul style="list-style-type: none"> <li>Current status and next steps</li> </ul>	<i>Virginie De Ruyt European Commission, DG ENV, Delegation in China</i>
	<b>LCM application in SCP project development and implementation in China</b> <ul style="list-style-type: none"> <li>Examples of how LCA and LCM are being used in the China SWITCH projects in different industry sectors</li> </ul>	<i>Patrick Schroeder, UNEP/Wuppertal Institute Collaborating Centre on Sustainable Consumption and Production</i>
<b>14:05</b>	<b>Green Procurement/purchasing in China</b> <ul style="list-style-type: none"> <li>Introduction, evolution, current status and next steps</li> </ul>	<i>Zhang Xiaodan, Chinese Environmental Certification Center of MEP (CEC)</i>
<b>14:20</b>	Question time	



<b>14:35</b>	Coffee break	
<b>14:50</b>	<p><b>Roundtable discussion (coffee available)</b></p> <p><b>Following the lessons learnt and key challenges and opportunities identified, how can the international organizations support the implementation of SCP in China?</b></p> <ul style="list-style-type: none"> <li>• Introduction by UNEP on the results of previous roundtables</li> <li>• Explanation on mechanisms of the following discussions and questions to be addressed (see the Annex)</li> <li>• Discussions in groups</li> </ul>	<i>Facilitators: UNEP, EC</i>
<b>16:10</b>	<p><b>Presentation of conclusions and action items</b></p> <ul style="list-style-type: none"> <li>• Feedback will be provided by all participants</li> </ul>	<i>One reporter per group will present the conclusions</i>
<b>17:00</b>	<p><b>Wrap up and next steps</b></p> <ul style="list-style-type: none"> <li>• EC and UNEP will provide a summary of conclusions and next steps agreed</li> </ul>	
<b>17:30</b>	Closing words	<i>China, UNEP, EC</i>

TBD: to be determined

**Chairs of CRSCP**

- Soledad Blanco, Director International Affairs and LIFE Programme, Environment Directorate-General, European Commission
- Bilin Xiong, Director, Department of Industry, National Development and Reform Commission, China (NDRC), key policy maker of national industry policy
- Guido Sonnemann, OiC, Integrated Resource Management Unit, Sustainable Consumption and Production Branch, DTIE, UNEP

**Organizers:**

- Tsinghua University
- Sichuan University
- European Commission (EC)
- United Nations Environment Programme (UNEP) – Division of Technology, Industry and Economics (DTIE)

**Governmental support:**

National Development and Reform Commission (NDRC), China



**Venue:** Xijiao Hotel, Beijing (see map below)

No.18 Wang Zhuang Road, Haidian District, 100083 Beijing, China





## List of speakers

### **European Commission**

*Soledad Blanco, European Commission, DG Environment*

Director of International Affairs  
European Commission, DG Env  
Environment Directorate-General,  
European Commission, B-1049  
Brussels, Belgium

*Virginie De Ruyt, European Commission Delegation to China & Mongolia*

European Commission Delegation to China & Mongolia  
15, Dongzhimenwai Street  
Beijing 100600, China

*Marc-Andree Wolf, The European Commission's Joint Research Centre Ispra, Institute for Environment and Sustainability (JRC-IES)*

European Platform on Life Cycle Assessment  
TP 460  
Via E. Fermi 2749, I-21027 Ispra (VA), Italy  
<http://lct.jrc.ec.europa.eu/eplca>

### **UNEP**

*Guido Sonnemann*

OiC, Integrated Resource Management Unit  
Sustainable Consumption and Production Branch  
UNEP DTIE - Paris  
15 rue du Milan  
75009 Paris, France  
<http://www.unep.fr/scp/>

*Sonia Valdivia*

Programme Officer – Secretariat of the UNEP/SETAC Life Cycle Initiative  
Sustainable Consumption and Production Branch  
UNEP DTIE - Paris  
15 rue du Milan  
75009 Paris, France  
<http://lcinitiative.unep.fr>



*Patrick Schroeder, UNEP/Wuppertal Institute Collaborating Centre on Sustainable Consumption and Production*

Consultant based in Beijing, China

Hagenauerstrasse 30

42107 Wuppertal, Germany

<http://www.scp-centre.org/team.html>

### **International Companies Association**

*Dr. John Atherton, International Council on Mining and Metals (ICMM)*

Senior Program Director

35/38 Portman Square, London W1H 6LR, United Kingdom

[www.icmm.com](http://www.icmm.com) | [www.goodpracticemining.com](http://www.goodpracticemining.com)

### **CHINA**

- *Xiong Bilin, National Development and Reform Commission, China (NDRC)*

- *Hongtao Wang, Sichuan University*

- *Liu Yinghao, Bao Steel*

- *Qin Guangze, China Mobile*

- *Jiang Quan, China Building Material Test and Certification Center (CTC)*

- *Zhang Xiaodan, Deputy General Manager, Chinese Environmental Certification Center of MEP (CEC)*



## ANNEX

### What is the Roundtable discussion?

- Provides opportunities for people to propose and discuss LCM approaches for SCP in an open dialogue between members of the group. The process involves 4-5 groups, focusing on the following sectors respectively
  - resource extraction and processing,
  - retailers and green procurement,
  - building and construction,
  - ICT
- After a period of conversation, discoveries and insights will be shared by a nominated representative of the group to present their ideas which will then be followed by an inclusive **group discussion between all participants**.
- Representatives will move between groups to assist in the facilitation of the process as required.

### The Sectors:

The sectors will be divided into 4-5 groups consisting of a maximum of 10 participants. Each group will consist of governmental, business and international participants.

### Discussion Etiquette

- **Focus** on what matters.
- **Link and connect** ideas.
- **Contribute** your thinking.
- **Listen together** for insights and deeper questions.
- **Speak** your mind and heart.
- **Play, Doodle, Draw** – writing on the tablecloths is encouraged!
- **Listen** to understand.
- **Have fun!**

### Questions at the roundtable discussion

1. Good practices and lessons learnt in SCP and/or energy saving and emission reduction

Expected outcomes: A collection of Chinese and international practices that are worthwhile to be taken into account as examples for their implementation in China

2. What are the challenges in changing consumption patterns

Expected outcomes: Better understanding of patterns of Chinese consumers that contribute to main environmental and social impacts in their society and identification of the main challenges for changing towards less impacting consumption patterns.

3. What are the challenges and what kind of support is needed, both in business practice and policy making



Expected outcomes: Identification of the main challenges in business practices and at the policy level to move towards a more mature level incorporating life cycle approaches; a list of suggested interventions in business practices and at policy level to stimulate progress on the implementation of life cycle approaches.

4. Which would be desirable milestones in the future; How UNEP, EC and the LCA/LCM community can help

Expected outcomes: A list of feasible milestones to be reached in 2 or 5 years and a list of suggested actions that could be supported by international organizations. This list will be later discussed by UNEP and the EC and a summary of feasible proposals to support the process in China towards progress on LCM for SCP will be provided in the wrap-up part.

Wrap-up by UNEP/EC.

- UNEP and EC representatives will provide a comprehensive summation of the groups, identifying the common challenges and prioritising the identified LCM approaches for SCP. UNEP will also propose key options that should be explored by all parts as elements of UNEP’s contribution to further support. The EC will add their potential contribution to this process

Time available:

- **80 min discussion**
  - **50 min presentation** (10 mins each group) including questions from other groups
  - **30 min summation** by UNEP
- } Total time **2 hours 40 minutes.**