



## PROVISIONAL PROGRAMME

# SEVENTH REGIONAL 3R FORUM IN ASIA AND THE PACIFIC

**2-4 November 2016,  
Adelaide Convention Centre, Adelaide, South Australia, Australia**

### **Theme**

***Advancing 3R and Resource Efficiency  
for the  
2030 Agenda for Sustainable Development***

### **Co-organizers**

Australian Government  
Office of Green Industries SA on behalf of the Government of South Australia  
Commonwealth Scientific and Industrial Research Organisation (CSIRO)  
Ministry of the Environment, Japan (MOEJ)  
United Nations Centre for Regional Development (UNCRD)

### **Forum Chair**

Hon. Ian Hunter, MLC  
Minister for Sustainability, Environment and Conservation  
Government of South Australia

### **Supporting Organizations**

*United Nations Environment Programme (UNEP-IETC)  
United Nations Economic and Social Commission for Asia and the Pacific (UN-ESCAP)  
Secretariat of the Pacific Regional Environment Programme (SPREP)  
Institute of Global Environment Strategies (IGES)  
Japanese Technical Cooperation Project for Promotion of Regional Initiative on Solid Waste Management  
in Pacific Island Countries (JICA)*



## PROVISIONAL PROGRAMME

### List of Pre/Parallel Events of Seventh Regional 3R Forum in Asia and the Pacific

No.	Title of pre/parallel events	Date / Time	Room
1.	State of 3Rs in Asia and the Pacific committee meeting	01 Nov. 2016 / 09:00 - 16:30	L-2 (Ground level)
2.	Asia 3R Citizens Network event	02 Nov. 2016 / 13:30 – 16:30	L-2 (Ground level)
3.	2016 Adelaide Workshop on Multilayer 3R Partnerships and Cooperation among Asia-Pacific Cities	03 Nov. 2016 / 09:00 - 12:30	L-2 (Ground level)
4.	International 3R Exhibition	02-04 Nov 2016/ 09:30-17:00 *(On 2 <sup>nd</sup> November, International 3R Exhibition will start at 10:45 am and On 4 <sup>th</sup> November, International 3R Exhibition will end at 14:30 pm)	Hall L (Ground level)



## PROVISIONAL PROGRAMME

### PRE-EVENT/PARALLEL-EVENT

#### (1) PRE-EVENT of State of 3Rs in Asia and the Pacific committee meeting

Co-organized by: United Nations Centre for Regional Development (UNCRD) and Institute for Global Environmental Strategies (IGES)

Supported by: Ministry of the Environment, Japan (MOEJ)

Date: 01 November 2016 (Tuesday) (By Invitation only)

Time: 9:00-16:30

Venue: L-2 (Ground level)

#### (2) PARALLEL EVENT of Asia 3R Citizens Network

Co-organized by: KESAB and the Asia 3R Citizens Network

Date: 02 November 2016 (Wednesday)

Time: 13:30-16:30

Venue: L-2 (Ground level)

#### (3) PARALLEL EVENT of 2016 Adelaide Workshop on Multilayer 3R Partnerships and Cooperation among Asia-Pacific Cities

Co-organized by: MOEJ

Date: 03 November 2016 (Thursday)

Time: 09:00-12:30

Venue: L-2 (Ground level)

#### (4) International 3R Exhibition

Date: 02-04 November 2016

Time: 09:30-17:00

Venue: Hall L (Ground level)

\*(On 2<sup>nd</sup> November, International 3R Exhibition will start at 10:45 am and  
On 4<sup>th</sup> November, International 3R Exhibition will end at 14:30 pm)



## PROVISIONAL PROGRAMME

DAY 1: 02 November 2016 (Wednesday)	
Time / Room	Programme
08:00-09:00	Registration
09:00-10:00	<b>Opening Ceremony</b>
<b>Room:</b> Panorama Ballroom (Upper level)	<ol style="list-style-type: none"> <li>1. <b>Cultural function/Ceremony</b> (20min)</li> <li>2. <b>Welcome Message</b> <ul style="list-style-type: none"> <li>▪ <b>Premier Jay Weatherill</b>, Premier of South Australia (10 min)</li> </ul> </li> <li>3. <b>Opening Remarks</b> <ul style="list-style-type: none"> <li>▪ <b>H.E. Mr. Tadahiko Ito</b>, State Minister of the Environment, Ministry of the Environment, Japan (MOEJ) (5 min)</li> <li>▪ <b>Ms. Chikako Takase</b>, Director, United Nations Centre for Regional Development (UNCRD) (5 min)</li> <li>▪ <b>Hon. Ian Hunter</b>, MLC, Minister for Sustainability, Environment and Conservation, Government of South Australia (5 min)</li> <li>▪ <b>Dr. Alex Wonhas</b>, Executive Director, Environment, Energy and Resources, CSIRO (5 min)</li> </ul> </li> <li>4. <b>Special Address by Australian Dignitaries</b> <ul style="list-style-type: none"> <li>▪ <b>Mr Dean Knudson</b>, Deputy Secretary, Environment Protection Group, Department for Environment and Energy, Government of Australia (15 min)</li> </ul> </li> </ol>
10:00-10:30	<p style="text-align: center;"><b>Keynote Address</b></p> <p style="text-align: center;">A Circular Economy - a bold and renewed vision for collaborative, innovative and vastly better systems solutions (30 min)</p> <p style="text-align: center;">Mr. Andrew Morlet, Chief Executive, CEO &amp; Trustees, Ellen MacArthur Foundation</p>
10:30-11:15 Room: Hall L	<p style="text-align: center;"><b>Opening Ceremony of International 3R Exhibition &amp; Group Photograph and Coffee/Tea Break</b></p>



Australian Government



Government of South Australia



Ministry of the Environment Japan

## PROVISIONAL PROGRAMME

DAY 1: 02 November 2016 (Wednesday)

Time / Room

Programme

11:15-13:00

### PLENARY SESSION 1

Contribution of 3R towards SDGs~ Policy and Scientific Insights under 2030 Agenda for Sustainable Development

Room: Hall  
M&N  
(Ground  
level)

#### Presentation of Background Paper (1)

Contribution of 3R's to achieving the Sustainable Development Goals ~ Science and policy for the 2030 Sustainable Development Agenda

-**Dr. Heinz Schandl**, Commonwealth Scientific and Industrial research Organisation (CSIRO) Land and Water, Canberra, Australia (15 min)

#### Presentation of Background Paper (2)

Role of Circular economy in achieving SDGs ~ Case of China

-**Prof. Jinhui Li**, Professor, School of Environment, Tsinghua University (12 min)

#### Presentation (3)

State of 3R Assessment for advancing 3R under 2030 Agenda for Sustainable Development

- **Dr. Nguyen Trung Thang**, Deputy Director General, Institute of Strategy and Policy on Natural Resources and Environment , Viet Nam (8 min)

#### Panel Discussion: (70 min)

- **Mr. Ananda Ram Bhaskar**, Director General, National Environment Agency, Singapore
- **Dr. Keith Alverson**, Director, UNEP-IETC, Osaka, Japan
- **Dr. Alex Wonhas**, Executive Director, Environment, Energy and Resources, CSIRO
- **Mr. Andrew Morlet**, Chief Executive, CEO & Trustees, Ellen MacArthur Foundation

#### Discussion Points:

1. *With the current economy and technological development trends in the Asia-pacific, what are the prospects of 3R and resource efficiency in the various development sectors – urban*

Session Chair: **H.E. Ms. Dorji Choden**, Minister, Ministry of Works and Human Settlement, Bhutan

Facilitator / Moderator:  
**Mr. C.R.C. Mohanty**, Environment Programme Coordinator, UNCRD

Rapporteur: **Ms. Karin Hosking**, Research Assistant/Editor, CSIRO Land and Water, Canberra, Australia



## PROVISIONAL PROGRAMME

### DAY 1: 02 November 2016 (Wednesday)

Time / Room	Programme
	<p><i>development (buildings, infrastructure, construction), manufacturing and industries (including SMEs), agriculture, transport, and energy, etc. – under the 2030 Agenda for Sustainable Development?</i></p> <p>2. <i>Is it reality that the technology revolution may greatly help the economy, but may not solve the resource efficiency related problems in those development sectors? If so, what are the critical policy and institutional challenges?</i></p> <p>3. <i>In efforts to achieve the SDGs, what would be the effect of not effectively addressing the supply security of resources (natural resources, primary and secondary raw materials and minerals)? What valuable insights can we gain from some of the resource efficient economies of the world?</i></p> <p>4. <i>Are there good examples of well-designed policies, programmes, well-functioning institutions and governance mechanisms that support circular economic development?</i></p> <p>5. <i>What are the possible impacts a shift to the circular economy would have on Asia-Pacific socially, economically and environmentally under the 2030 Agenda for Sustainable Development?</i></p> <p>6. <i>How can we develop institutional capacity and promote government and international collaborative research projects for strengthening basic statistics, material flow and waste accounting in support of whole-of-value chain approach and circular economic development?</i></p>
<b>13:00-14:00</b>  Room:	<b>LUNCH BREAK</b>
<b>14:00-15:30</b>	<b>PLENARY SESSION 2</b> <b>3R and Resource Efficiency towards Resilient Cities and Societies ~ Implications towards SDGs</b>
	<p><b>Presentation of Background paper (1)</b>  <b>3R and Resource efficiency towards Resilient cities and societies ~ Implications towards SDGs</b></p> <p style="text-align: right;"><u>Session Chair: Mr.</u></p>



## PROVISIONAL PROGRAMME

**DAY 1: 02 November 2016 (Wednesday)**

Time / Room	Programme
<p><b>Room:</b> Hall M&amp;N (Ground level)</p>	<p style="text-align: center;"><b>-Prof. C. Visvanathan</b>, School of Environment, Resources and Development, Asian Institute of Technology, Thailand (15 min)</p> <p><b>Presentation (2)</b>  <b>Building resilient cities through sound material cycle society~ Experience from Japan</b></p> <p style="text-align: center;"><b>-H.E. Mr. Shigemoto Kajihara</b>, Vice Minister for Global Environment Affairs, Ministry of the Environment, Japan (10 min)</p> <p><b>Presentation (3)</b>  <b>Moving towards resource efficient and resilient society~ Insight to Singapore’s policy initiatives</b></p> <p style="text-align: center;"><b>- Mr Ananda Ram Bhaskar</b>, Director-General, Environmental Protection, National Environment Agency of Singapore (10 min)</p> <p><b>Panel Discussion: (55 min)</b></p> <ul style="list-style-type: none"> <li>▪ <b>Ms. Tuti Hendrawati Mintarsih</b>, Director General, Solid Waste and Hazardous Substances Management, Ministry of Environment and Forestry, Indonesia</li> <li>▪ <b>Mr. Ibrahim Shabau</b>, Secretary General, Male City Council, Maldives</li> <li>▪ <b>Mr. Lorenzo Santucci</b>, Economic Affairs Officer, UNESCAP, Thailand</li> <li>▪ <b>Dr. Yuichi Moriguchi</b>, Professor, Graduate School of Engineering, University of Tokyo, Japan</li> <li>▪ <b>Mr. A.H. Md. Maqsood Sinha</b>, Executive Director, Waste concern, Bangladesh</li> </ul> <p><b>Discussion Points:</b></p> <ol style="list-style-type: none"> <li>1. <i>What complimentary benefits can 3R and resource efficiency measures provide in making cities and societies resilient?</i></li> <li>2. <i>What potential roles can the government, the scientific and research organizations and the private and industry sector play in partnerships or collaborative arrangements in addressing 3R and resource efficiency towards resilient and sustainable cities?</i></li> <li>3. <i>What crucial policies and institutional shifts are necessary to integrate 3R and resource efficiency with climate mitigation and</i></li> </ol>

**Andrew McNee**, Assistant Secretary, Environment Standards Division, Department of the Environment and Energy, Australia

Facilitator / Moderator:  
**Dr. Heinz Schandl**, Commonwealth Scientific and Industrial research Organisation (CSIRO) Land and Water, Canberra, Australia

Rapporteur: **Prof. Chiu Shun Fung**, IRP of UNEP, De La Salle University, The Philippines



## PROVISIONAL PROGRAMME

**DAY 1: 02 November 2016 (Wednesday)**

Time / Room	Programme	
	<p><i>disaster reduction policies and programmes?</i></p> <p>4. <i>What critical lessons can we learn on building resilient cities through the Japanese experience of sound material cycle society?</i></p> <p>5. <i>What are some of the areas of resilience (social resilience, economic resilience, ecological resilience) that the dedicated 3R policies, programmes and infrastructures can potentially enhance?</i></p> <p>6. <i>Transforming cities often requires high capital investments and long payback periods. Thus, cities are often limited to developing a short recovery period, and adaptation measures that often have no payback. It is important for cities to transform, but how can these issues be addressed?</i></p>	
<p><b>15:30 – 16:00</b></p> <p><b>Room: Hall L</b></p>	<p><b>COFFEE/TEA BREAK</b></p>	
<p><b>16:00-17:45</b></p>	<p><b>PLENARY SESSION 3</b>  <b>3R as the basis for Rural Resource and Waste Management for Regional Development</b></p>	
<p><b>Room: Hall M&amp;N (Ground level)</b></p>	<p><b>Presentation of background paper (1)</b>  <b>3R as the basis for rural resource and waste management for regional development ~ Implications towards SDGs</b></p> <p style="text-align: center;">-Prof. P. Agamuthu, Institute of Biological Sciences, University of Malaya (15 min)</p> <p><b>Presentation (2)</b>  <b>Potential of economic utilization of biomass waste in India ~ Implications towards SDGs</b></p> <p style="text-align: center;">-Prof. Sadhan K. Ghosh, Professor, Jadavpur University, Kolkata, India (10 min)</p> <p><b>Presentation (3)</b></p>	<p><u>Session Chair:</u> <b>H.E. Ms. Vilaykham Phosalath</b>, Vice-Minister, Ministry of Public Works and Transport, Lao PDR</p> <p><u>Facilitator / Moderator:</u> <b>Prof. C. Visvanathan</b>, School of Environment, Resources and Development, Asian Institute of Technology,</p>





## PROVISIONAL PROGRAMME

**DAY 1: 02 November 2016 (Wednesday)**

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	<p><b>Sustainable Rural Waste Management - Cases and Lessons</b></p> <p style="text-align: center;">- <b>Mr. Kazunobu Onogawa</b>, Director, IGES Centre Collaborating with UNEP on Environmental Technologies (CCET) (10 min)</p> <p><b>Panel Discussion: (70 min)</b></p> <ul style="list-style-type: none"> <li>▪ <b>Mr. Sein Htoon Linn</b>, Deputy Director General, Ministry of Natural Resources and Environmental Conservation, Myanmar</li> <li>▪ <b>Ms. Mafile'o Masi, Head</b>, Meteorology, Energy, Information, Disaster Management, Environment, Climate Change &amp; Communications, Tonga</li> <li>▪ <b>Prof. Shinichi Sakai</b>, Professor, Environment Preservation Research Center, Kyoto University, Japan</li> </ul> <p><b>Discussion Points:</b></p> <ol style="list-style-type: none"> <li>1. <i>Is biomass waste a grossly neglected area in Asia and the Pacific? What is the cost inaction? What circular economic opportunities can 3R offer in rural areas of Asia-Pacific?</i></li> <li>2. <i>Referring to background paper 1, how can Asia-Pacific countries strengthen their policies, programmes and institutions to enhance circular economic utilization of rural and biomass waste towards sustainable regional development?</i></li> <li>3. <i>What are the possible means to stimulate long-term investments on rural resource and waste management? What potential roles can the private and business sector play in rural resource and waste management?</i></li> <li>4. <i>What critical lessons can we learn from the Indian case of biomass utilization? How crucial are they in the context of SDGs?</i></li> </ol>	<p>Thailand</p> <p><b>Rapporteur: Dr. Yasuhiko Hotta</b>, Area Leader/Senior Policy Analysts IGES, Japan</p>
<b>19:00-21:30</b>	<p style="text-align: center;"><b>WELCOME RECEPTION</b></p> <p style="text-align: center;"><b>Hosted By</b> <b>Government of South Australia</b> <b>Venue: Panorama Ballroom (Upper level)</b></p>	



## PROVISIONAL PROGRAMME

DAY 2: 03 November 2016 (Thursday)		
Time / Room	Programme	
<b>9:00-10:30</b>	<b>PLENARY SESSION 4</b> <b>Evolution of 3R Technologies and Practices~ Private Sector Initiatives</b>	
<b>Room:</b> Hall M&N (Ground level)	<p><b>Presentation (1)</b> <b>Advancement of 3R technologies and practices - Case of Australia</b></p> <p style="padding-left: 20px;">-<b>Mr. Vaughan Levitzke</b>, Office of Green Industries SA (10 min)</p> <p><b>Presentation (2)</b> <b>Innovative reuse business in auto mobile</b></p> <p style="padding-left: 20px;">-<b>Mr. Kenichi Tsugumi</b>, Director of Inter National Recycling Education Center, Kaiho Sangyo Co., Ltd, Japan (10 min)</p> <p><b>Presentation (3)</b> <b>Typology of different options for metal recycling by Private Sector</b></p> <p style="padding-left: 20px;">- <b>Mr. Takanobu Tachikawa</b>, Deputy General Manager, DOWA Eco-System Co., Ltd., Japan (10min)</p> <p><b>Presentation (4)</b> <b>3R initiatives by the Private Resorts of Maldives in response to the Male 3R Declaration</b></p> <p style="padding-left: 20px;">-<b>Mr. Ahmed Murthaza</b>, Director General, Ministry of Environment and Energy, Maldives (10 min)</p> <p><b>Panel Discussion: (50 min)</b></p> <ul style="list-style-type: none"> <li>▪ <b>Prof. Veena Sahajwalla</b>, Director, Smart Centre at UNSW Australia, Australia</li> <li>▪ <b>Prof. Yong-Chil Seo</b>, Professor, Yonsei University, Republic of Korea</li> <li>▪ <b>Mr. Ajoy Raychaudhuri</b>, Director, Battery &amp; Recycling Foundation International, India</li> </ul> <p><b>Discussion Points:</b></p>	<p><u>Session Chair:</u> <b>H.E. Mr. Ian Hunter, MLC</b>, Minister for Sustainability, Environment and Conservation, Government of South Australia</p> <p><u>Facilitator / Moderator:</u> <b>Mr. Michikazu Kojima</b>, Director, IDE/JETRO</p> <p><u>Rapporteur:</u> <b>Mr. A.H. Md. Maqsood Sinha</b>, Executive Director, Waste concern, Bangladesh</p>



## PROVISIONAL PROGRAMME

**DAY 2: 03 November 2016 (Thursday)**

Time / Room	Programme
	<ol style="list-style-type: none"> <li>1. <i>What are the business opportunities in 3R and resource efficiency areas? How far have the 3R technologies and practices demonstrated positive economic outcome or economic success in Asia-Pacific? What are the examples of successful cases?</i></li> <li>2. <i>The Government sets policies for private and industry sectors and for their operations. These sectors are more likely to invest in new 3R technologies if the government policies provide a favorable regulatory framework and environment that ensures full cost recovery. How supportive have the policies and programmes of Asian countries been to this regard?</i></li> <li>3. <i>How effective have the government strategies in place been in identifying opportunities for international joint ventures, public-private partnerships (PPPs), and international collaborative research programmes in promoting 3R technology research and development (R&amp;D)?</i></li> <li>4. <i>How effective have the government procurement policies been in encouraging new enterprise development in the 3R technology areas?</i></li> <li>5. <i>To what extent have the Asia-Pacific countries regulated and guided private investors, such as banks, domestic and foreign investment funds, in 3R technology development?</i></li> <li>6. <i>How effectively have the Asia-Pacific countries promoted triangular cooperation (government-private sector-scientific and research organizations) in advancing 3R research and development (R&amp;D), technology transfer and technology evaluation?</i></li> </ol>
<b>10:30-11:00</b>  <b>Room: Hall L</b>	<b>COFFEE/TEA BREAK</b>
<b>11:00-12:30</b>	<b>PLENARY SESSION 5</b> <b>Greening SMEs towards Resource Efficiency</b>



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## PROVISIONAL PROGRAMME

DAY 2: 03 November 2016 (Thursday)

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<p><b>Room:</b> Hall M&amp;N (Ground level)</p>	<p><b>Presentation of Background Paper (1)</b>  <b>Sustainable regional development through Networks: the case of ASPIRE (Advisory System for Processing, Innovation and Resource Efficiency) to support industrial symbiosis for SMEs</b></p> <p>-<b>Ms. Sarah King</b>, Commonwealth Scientific and Industrial research Organisation (CSIRO), Manufacturing, Geelong, Australia (15 min)</p> <p><b>Presentation (2)</b>  <b>Greening SMEs towards resource efficiency ~ Experience of India</b></p> <p>- <b>Mr. K.D. Bhardwaj</b>, Director, National Productivity Council, India (10 min.)</p> <p><b>Panel Discussion: (65 min)</b></p> <ul style="list-style-type: none"> <li>▪ <b>Mr. Giljong Oh</b>, Senior Researcher, Ministry of Environment, Republic of Korea</li> <li>▪ <b>Prof. Chiu Shun Fung</b>, IRP of UNEP, De La Salle University, The Philippines</li> <li>▪ <b>Mr. Norikazu Nakatsubo</b>, Director, Resources and Waste Policy Division, Resources and Waste Recycling Bureau, Yokohama city, Japan</li> </ul> <p><b>Discussion Points:</b></p> <ol style="list-style-type: none"> <li>1. <i>What are the critical considerations by the government for greening the SMEs? Why should this matter for a circular economy, as well as for the 2030 Agenda for Sustainable Development?</i></li> <li>2. <i>Required financial capacity, knowledge and technical capacity, high upfront costs and low public visibility are critical challenges for SMEs. Taking into account these constraints, how can governments assist the SMEs to integrate resource efficiency in their operations as well as in their entire supply chain? What could be the policy, institutional, financial and partnership aspects of greening the SMEs for pollution reduction and resource efficiency?</i></li> <li>3. <i>What are the key social and physical infrastructures that the</i></li> </ol>	<p><b>Session Chair: H.E. Mr. Md Amir Hossain</b>, Minister, Ministry of Industries, Bangladesh</p> <p><b>Facilitator / Moderator: Mr. K.D. Bhardwaj</b>, Director, National Productivity Council, India</p> <p><b>Rapporteur: Mr. Michikazu Kojima</b>, Director, IDE/JETRO</p>



## PROVISIONAL PROGRAMME

**DAY 2: 03 November 2016 (Thursday)**

Time / Room	Programme	
	<p><i>governments should consider in creating an enabling environment for greening the SMEs towards resource efficiency?</i></p> <p>4. <i>What type of information-based instruments (e.g. product labels) can governments facilitate in raising the awareness of both consumers and SMEs on the needs and benefits of greening the supply chain?</i></p> <p>5. <i>There are several SMEs or firms which proactively pursue green strategies to benefit in many ways, e.g., cost savings, energy savings, better public image, better marketing of products, etc. What are the best examples and experiences where environmental regulations have encouraged firms to innovate and create cost advantages?</i></p> <p>6. <i>What are the key enablers to promote government-to-business, business-to-business, and industry-to-industry dialogues or cooperation in harnessing the benefits of green practices and to increase the role of business and trade associations towards greening the operations and supply chain?</i></p>	
<p><b>12:30-14:00</b></p> <p><b>Room:</b> International Trade Exhibition Hall</p>	<p><b>NETWORKING LUNCH BREAK</b></p> <p><b>Extended Producer Responsibility- Updated OECD Guidance</b> - <b>Dr. Cecilia Mattsson</b>, Policy Development Department Swedish Environmental Protection Agency (30 min)</p>	
<p><b>14:00-16:00</b></p>	<p><b>COUNTRY BREAKOUT SESSIONS</b> <b>Country Major Achievements and Initiatives on Implementation of Ha Noi 3R Declaration (2013~2023)</b></p>	
<p><b>Room:</b> Hall M&amp;N (Ground level)</p>	<p><b>Country Breakout Group 1</b></p> <p><b>Country Presentations</b> (5 min maximum): <b>PR China, Bangladesh, India, Indonesia, Kiribati, Kyrgyzstan, Samoa, Thailand</b></p> <p><i>[Country presentations (using maximum 5 slides) to focus on – (a)</i></p>	<p><u>Session Chair:</u> <b>H.E. Mr. Md Amir Hossain</b>, Minister, Ministry of Industries, Bangladesh</p>



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Government of South Australia



Ministry of the Environment Japan

## PROVISIONAL PROGRAMME

DAY 2: 03 November 2016 (Thursday)

Time / Room	Programme	
	<p><i>major achievements/new initiatives in 3R areas; (b) critical challenges faced; and (c) major plans, including mega-projects and master plans, in pipeline for future action]</i></p> <p><b>Open Discussion:</b></p>	<p><b>Facilitator / Moderator:</b> <b>Prof. Jinhui Li</b>, School of Environment, Tsinghua University, PR China</p> <p><b>Rapporteur:</b> <b>Mr. A. H. Md. Maqsood Sinha</b>, Executive Director, Waste Concern, Bangladesh</p>
<p><b>Room: R-8</b> (Lower level)</p>	<p><b>Country Breakout Group 2</b></p> <p><b>Country Presentations</b> (5 min maximum): <b>Japan, Malaysia, Myanmar, Mongolia, Palau, Solomon Island, Viet Nam</b></p> <p><i>[Country presentations (using maximum 5 slides) to focus on – (a) major achievements/new initiatives in 3R areas; (b) critical challenges faced; and (c) major plans, including mega-projects and master plans, in pipeline for future action]</i></p> <p><b>Open Discussion:</b></p>	<p><b>Session Chair:</b> <b>Mr. Phee Boon Poh</b>, State Minister for Welfare, Caring Society and Environment, Penang State Government, Malaysia</p> <p><b>Facilitator / Moderator:</b> <b>Dr. Yasuhiko Hotta</b>, Area Leader/Senior Policy Analysts IGES, Japan</p> <p><b>Rapporteur:</b> <b>Prof. P. Agamuthu</b>, Institute of Biological Sciences, University of Malaya</p>
<p><b>Room: R-7</b> (Lower level)</p>	<p><b>Country Breakout Group 3</b></p> <p><b>Country Presentations</b> (5 min maximum): <b>Afghanistan, Cambodia, Lao PDR, the Republic of Korea, Niue, Vanuatu, Tuvalu</b></p> <p><i>[Country presentations (using maximum 5 slides) to focus on – (a) major achievements/new initiatives in 3R areas; (b) critical challenges faced; and (c) major plans, including mega-projects and master plans, in pipeline for future action]</i></p> <p><b>Open Discussion:</b></p>	<p><b>Session Chair:</b> <b>H.E. Mr. Namoliki S Neemia</b>, Minister, Ministry of Home Affairs and Rural Development, Tuvalu</p> <p><b>Facilitator / Moderator:</b> <b>Prof. Sadhan K. Ghosh</b>, Professor, Jadavpur</p>



## PROVISIONAL PROGRAMME

DAY 2: 03 November 2016 (Thursday)

Time / Room	Programme	
		University, Kolkata, India  <u>Rapporteur:</u> <b>Prof. Sadhan K. Ghosh</b> , Professor, Jadavpur University, Kolkata, India
<b>Room: R-6</b>	<p><b>Country Breakout Group 4</b></p> <p><b>Country Presentations</b> (5 min maximum): <b>Bhutan, Maldives, Republic of the Marshall Islands, Nepal, Pakistan, Singapore, Timor-Leste</b></p> <p><i>[Country presentations (using maximum 5 slides) to focus on – (a) major achievements/new initiatives in 3R areas; (b) critical challenges faced; and (c) major plans, including mega-projects and master plans, in pipeline for future action]</i></p> <p><b>Open Discussion:</b></p>	<p><u>Session Chair:</u> <b>Mr Syed Abu Ahmed Akif</b>, Secretary, Ministry of Climate Change, Pakistan</p> <p><u>Facilitator / Moderator:</u> <b>Mr. Ahmed Murthaza</b>, Director General, Ministry of Environment and Energy, Maldives</p> <p><u>Rapporteur:</u> <b>Mrs. Karin Rumar</b>, Swedish Chemical Agency, Sweden</p>
<b>Room: R-5</b>	<p><b>Country Breakout Group 5</b></p> <p><b>Country Presentations</b> (5 min maximum): <b>Australia, The Philippines, the Russian Federation, Sri Lanka, Kazakhstan, Mauritius, Tonga</b></p> <p><i>[Country presentations (using maximum 5 slides) to focus on – (a) major achievements/new initiatives in 3R areas; (b) critical challenges faced; and (c) major plans, including mega-projects and master plans, in pipeline for future action]</i></p> <p><b>Open Discussion:</b></p>	<p><u>Session Chair:</u> <b>Mr. Peter Brisbane</b>, Director, Stewardship and Waste Department of the Environment and Energy, Australia</p> <p><u>Facilitator / Moderator:</u> <b>Mr. Lorenzo Santucci</b>, Economic Affairs Officer UNESCAP, Thailand</p>



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## PROVISIONAL PROGRAMME

DAY 2: 03 November 2016 (Thursday)

Time / Room	Programme	
		<u>Rapporteur:</u> <b>Mr. Ian Harvey</b> , Director-Operations, Industries SA <b>Mr. Ian Harvey</b> , Director-Green
<b>16:00-16:30</b>  <b>Room: Hall L</b>	<b>COFFEE/TEA BREAK</b>	
<b>16:30-18:00</b>	<b>PLENARY SESSION 6</b> <b>Intermunicipal Network and Cooperation for 3R</b>	
<b>Room: Hall M&amp;N</b> (Ground level)	<p><b>Presentation of Background Paper (1)</b> <b>Shifting Sands: The circular economy and its implications for natural resource supply and demand</b></p> <p><b>-Dr. Anna Littleboy</b>, Commonwealth Scientific and Industrial research Organisation (CSIRO), Mineral Resources, Brisbane, Australia (15 min)</p> <p><b>Presentation (2)</b> <b>Inter-municipal network and cooperation for Recycling, Remanufacturing and industrial Symbiosis</b></p> <p><b>-Dr. Prasad Modak</b>, President, EMC-India and <b>Dr. Sunil Herat</b>, Griffith University, Australia (10 min.)</p> <p><b>Panel Discussion: (65 min)</b></p> <ul style="list-style-type: none"> <li>▪ <b>Mr. Ram Chandra Dangal</b>, Joint Secretary, Ministry of Urban Development, Nepal</li> <li>▪ <b>Mr. Saurabh Jain</b>, Director, Ministry of Urban Development, India</li> <li>▪ <b>Ms. Natalia Sokolova</b>, Head, Federal Nature Management Supervision Service, Ministry of Natural Resources, The Russian Federation</li> <li>▪ <b>Mr. Hideki Minamikawa</b>, President of JESC, Japan</li> <li>▪ <b>Mr. A. H. Md. Maqsood Sinha</b>, Executive Director, Waste Concern, Bangladesh</li> </ul>	<p><u>Session Chair:</u> <b>H.E.Mr. Mohamed Ibrahim</b>, State Minister, Ministry of Housing and Infrastructure, Maldives</p> <p><u>Facilitator / Moderator:</u> <b>Dr. Sunil Herat</b>, Griffith University, Australia</p> <p><u>Rapporteur:</u> <b>Prof. C. Visvanathan</b>, School of Environment, Resources and Development, Asian Institute of Technology, Thailand</p>





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## PROVISIONAL PROGRAMME

DAY 2: 03 November 2016 (Thursday)

Time / Room	Programme	
	<p><b>Discussion Points:</b></p> <ol style="list-style-type: none"> <li><i>What range of opportunities and benefits can inter-municipal cooperation provide in the waste management sector? What are the added benefits of a stronger inter-municipal cooperation in a circular economy?</i></li> <li><i>What roles can local and national governments play in advancing inter-municipal networks and cooperation within countries as well as with private sectors towards effective resource recovery, waste reduction, reuse, and recycling?</i></li> <li><i>What potential opportunities can inter-municipal cooperation in the waste management sector offer in achieving SDG 11 (make cities and human settlements inclusive, safe, resilient and sustainable) and SDG 12 (ensure sustainable consumption and production patterns)?</i></li> <li><i>In managing disaster waste, can inter-municipal cooperation offer a significant solution? Is there any valuable lessons we can learn from past natural disasters, e.g., the 2011 Great East Japan Earthquake and Tsunami?</i></li> </ol>	
18:00-18:30	<b>REPORTING BACK BY COUNTRY BREAKOUT SESSIONS</b>	
<p><b>Room:</b> Hall M&amp;N (Ground level)</p>	<ul style="list-style-type: none"> <li>● <b>Reporting back by Country Breakout Group 1</b> (1 slide, 5min)</li> <li>● <b>Reporting back by Country Breakout Group 2</b> (1 slide, 5min)</li> <li>● <b>Reporting back by Country Breakout Group 3</b> (1 slide, 5min)</li> <li>● <b>Reporting back by Country Breakout Group 4</b> (1 slide, 5min)</li> <li>● <b>Reporting back by Country Breakout Group 5</b> (1 slide, 5min)</li> <li>● <b>Reporting back by Asia 3R Citizen Network</b> -by Ms. Yuko Sakita, Chief Director, NPO “GENKI Network for Creating a Sustainable Society”</li> <li>● <b>Reporting back by Multilayer 3R Partnerships and Cooperation among Asia-Pacific Cities</b>-by Mr. Hideaki</li> </ul>	<p><u>Session Chair:</u> <b>H.E. Mr. Dalton Tagelagi</b>, Minister, Ministry of Infrastructure, Niue</p>



## PROVISIONAL PROGRAMME

DAY 2: 03 November 2016 (Thursday)

Time / Room	Programme	
	<p><b>Fujiyoshi</b>, Executive Vice President of JESC, Japan</p> <p><b>Discussion Point:</b></p> <p>Based on the country reports and country presentations, how can we move towards the long-term investment in 3R technologies and practices, in line with the sustainable development goals?</p>	
<b>19:00-21:00</b>	<p><b>RECEPTION</b></p> <p>Hosted by the Government of South Australia</p> <p>Venue: Panorama Ballroom (Level One)</p>	



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## PROVISIONAL PROGRAMME

### DAY 3: 04 November 2016 (Friday)

Time / Room	Programme	
08:30-09:30	<b>PLENARY SESSION 7: Role of Green Chemistry in Minimization of Toxic Chemicals and Wastes</b>	
<b>Room:</b> Hall M&N (Ground level)	<p><b>Presentation of Background Paper (1)</b>  <b>Sustainable chemical manufacture and economic prosperity flowing as One</b></p> <p>-<b>Dr. Oliver E. Hutt</b>, Commonwealth Scientific and Industrial research Organisation (CSIRO), Manufacturing, Melbourne, Australia (15 min)</p> <p><b>Presentation (2)</b>  <b>Enforcement of green chemicals in products to minimize toxic and hazardous waste ~ Swedish Experience</b></p> <p>-<b>Mrs. Karin Rumar</b>, Swedish Chemical Agency, Sweden (10 min.)</p> <p><b>Panel Discussion: (35 min)</b></p> <ul style="list-style-type: none"> <li>▪ <b>Mr. Delgerbayar Badam</b>, Expert of Solid Waste, National Council for Chemical Safety, Mongolia</li> <li>▪ <b>Prof. Toshiaki Yoshioka</b>, Professor, Tohoku University, Japan</li> <li>▪ <b>Prof. Jinhui Li</b>, Professor, School of Environment, Tsinghua University</li> </ul> <p><b>Discussion Points:</b></p> <ol style="list-style-type: none"> <li>1. <i>What are the key beneficial aspects of the green chemistry in 3Rs – socially, economically and environmentally?</i></li> <li>2. <i>To what extent are the current policy and regulatory frameworks at national and local government level supportive to green chemistry in addressing the toxic chemicals and wastes?</i></li> <li>3. <i>Is green chemistry a sustainable urban business opportunity? If so, how are Asia-Pacific cities advancing the green chemistry in their policy and development agenda?</i></li> <li>4. <i>What are the international opportunities (collaborative research, financing, knowledge and technology transfer, clearing house mechanisms, etc.) available in the areas of green chemistry?</i></li> </ol>	<p><b>Session Chair: H.E. Mr. Ali Amir</b>, Deputy Minister, Ministry of Environment and Energy, Maldives</p> <p><b>Facilitator/ Moderator: Dr. Thallada Bhaskar</b>, Principal Scientist &amp; Head of Area, CSIR-Indian Institute of Petroleum (IIP), India</p> <p><b>Rapporteur: Dr. Sunil Herat</b>, Griffith University, Australia</p>



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Ministry of the Environment Japan

## PROVISIONAL PROGRAMME

DAY 3: 04 November 2016 (Friday)

Time / Room	Programme	
	<p>5. <i>What important lessons the Swedish experience offer us in the areas of green chemistry?</i></p> <p>6. <i>How should the Regional 3R Forum in Asia-Pacific address these emerging technologies such as green chemistry and nano-technology, etc., in advancing 3R and resource efficiency in the region?</i></p>	
<p><b>09:30-11:30</b></p>	<p><b>Roundtable Dialogue: Public-Private-Partnership to Advance 3R in Asia-Pacific</b></p>	
<p><b>Room:</b> Hall M&amp;N (Ground level)</p>	<p>This rotational, interactive session will feature public-private dialogues and exchanges in order to explore various partnerships and sustainable business opportunities in 3R areas. While the government representatives will have opportunities to share their specific issues, needs and requirements, including possible investment and PPP opportunities, the private sector representatives will be able to showcase their experience, expertise and technical knowhow in various areas of 3R and waste management. Each private sector representative will have approximately 5 mins to interact with a country delegate before moving to the second country delegate in a rotational order. This section is also organized in line with the objectives of International Partnership for Expanding Waste Management Services of Local Authorities (IPLA) - a SDG Partnership under the 2030 Agenda for Sustainable Development.</p> <p>For detail guidelines, please see at the end of the Programme</p> <p><b>Open Discussion:</b></p>	<p><u>Facilitators/ Moderators:</u>  <b>Prof. Yong-Chil Seo</b>, IPLA Advisory Board Member,  <b>Dr. Muhammad Khurshid</b>, IPLA Sub-Regional Secretariat for South Asia,  <b>Dr. Sunil Herat</b>, IPLA Sub-Regional Secretariat for the region covering Australia and New Zealand, and  <b>Prof. Jinhui Li</b>, IPLA Sub-Regional Secretariat for East Asia</p>
<p><b>11:30-13:00</b></p> <p><b>Room:</b> Hall M&amp;N (Ground level)</p>	<p><b>PLENARY SESSION 8</b>  <b>ADOPTION OF THE CHAIR'S SUMMARY and ADELAIDE DECLARATION "Adelaide 3R Declaration towards the Promotion of Circular Economy in Achieving the Resource Efficient Societies in Asia and the Pacific under the 2030 Agenda for Sustainable Development"</b></p> <p><b>Chair: Hon. Ian Hunter, MLC, Minister for Sustainability, Environment and Conservation, Government of South Australia</b></p>	



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## PROVISIONAL PROGRAMME

DAY 3: 04 November 2016 (Friday)

Time / Room	Programme
13:00-13:30	<b>CLOSING SESSION</b>
<b>Room:</b> Hall M&N (Ground level)	<p><b>Handing over Ceremony</b></p> <p><b>Closing Remarks</b></p> <ul style="list-style-type: none"> <li>▪ <b>Ms. Chikako Takase</b>, Director, United Nations Centre for Regional Development (UNCRD)</li> <li>▪ <b>H.E. Mr. Shigemoto Kajihara</b>, Vice Minister for Global Environment affairs, Ministry of the Environment, Japan (MOEJ)</li> <li>▪ <b>Hon. Ian Hunter</b>, MLC, Minister for Sustainability, Environment and Conservation, Government of South Australia</li> </ul>
<b>13:30-14:30</b>  Room:	<b>LUNCH BREAK</b>
<b>14:00-18:30</b>	<p><b>TECHNICAL FIELD VISTS</b></p> <ol style="list-style-type: none"> <li>1. South Australia's resource recovery and recycling industry (Starts at 14:00 sharp)</li> <li>2. Barossa Valley (Starts at 14:00 sharp)</li> <li>3. Cleland Wildlife Park (Starts at 14:00 sharp)</li> <li>4. Adelaide's clean beaches (Self-guided tour) (Starts at 14:00 sharp)</li> </ol>
<b>19:00-21:00</b>	<p><b>FAREWELL RECEPTION</b>  <b>Hosted by the Government of South Australia</b></p> <p><b>Venue: Adelaide Convention Centre</b></p>

## Seventh Regional 3R Forum in Asia and the Pacific

2-4 November 2016, Adelaide, SA, Australia

### **Guidelines for Roundtable Dialogue: Public-Private-Partnership to Advance 3R in Asia and the Pacific**

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**Date: 4 November 2016 / Friday (Day 3)**

**Time: 09:30-11:30 a.m**

**Venue: Hall M & N (Ground Level) / Adelaide Convention Center**

The objective of this Government and Private Sector Roundtable is to advance 3R in Asia and the Pacific region by promoting public-private-partnerships (PPPs) and private investments in waste management sector. The Roundtable is organized in line with the objectives of *International Partnership for Expanding Waste Management Services of Local Authorities (IPLA)* - a SDG Partnership under the 2030 Agenda for Sustainable Development. <http://www.uncrd.or.jp/index.php?menu=378>

IPLA is a dynamic interface between government authorities and private sector and complements the objectives of the Regional 3R Forum in Asia and the Pacific. IPLA is governed with the basic understanding that -

- ✓ *Partnerships offer alternatives in which governments and private companies assume co-responsibility and co-ownership for the delivery of waste management services. Waste disposal is expensive – financially and in lost resources (substantial inputs of labour, material, energy, land resources for land filling, etc.). Disposal of recyclables goes against the core principles of 3R as well as material and resource efficiency..*
- ✓ *Partnerships combine the advantages of the private sector (dynamism, access to financial resources and latest technologies, managerial efficiency, and entrepreneurial spirit, etc.) with social concerns and responsibility of the public sector (public health and better life, environmental awareness, local knowledge and job creation, etc).*
- ✓ *Partnerships (PPP) are indispensable for creating and financing adaptation measures towards resilient cities which in turn are more attractive for private investments. A resilient city and community enhance confidence of private sector for possible investments.*
- ✓ *Partnerships provide win-win solutions both for the public utilities and private sector—if duly supported by appropriate policy frameworks. Such partnerships could lead to savings in municipal budgets where waste management usually consumes a large portion. The private sector, on the other hand, may use this opportunity to convert waste into environmentally friendly products and energy that could also serve as income generating opportunities.*

In order to have an interactive and productive roundtable dialogues between the government and private sector representatives to explore various partnership, investment and sustainable business opportunities in 3R and waste management areas, the following guidelines could be followed. Each private sector representative will have approximately 5 mins to interact with a country delegate before moving to the second country delegate in a systematic rotational order. We are expecting to have the participation of 39 countries and 28 private companies.

#### **Guidelines for Government Representatives:**

1. Please briefly introduce specific waste issues or major projects in pipeline highlighting possible opportunities for PPP and investment; also highlight financial and technological constraints currently faced with, and what type of measures or solutions the government is looking for.
2. It would be very helpful and time saving if each participating country could prepare one page information sheet (approximately 30 copies) in advance to share the above with the private sector representatives.

**Guidelines for Private Sector Representatives:**

1. Please prepare enough copies (approximately 40 sets) of information sheets or company brochures highlighting – (a) specific expertise and technical knowhow; (b) range of waste management services; (c) national and international PPP experiences.
2. Please prepare enough business cards with contact details.
3. Any other materials that would serve as useful reference materials for the countries.