

PROGRAMME

IPLA Global Forum 2013 on Sustainable Waste Management for the 21st Century Cities - Building Sustainable and Resilient Cities through Partnership

City of Borås, Sweden, 9-11 September 2013

Venue: Textile Fashion Center

Organized by:

- United Nations Centre for Regional Development (UNCRD)
- Waste Recovery International Partnership in Borås
 - City of Borås
 - University of Borås
 - SP Technical Research Institute of Sweden
 - Borås Energy and Environment

8 SEPTEMBER 2013, SUNDAY

- 16.30 Pick up at the Scandic Plaza Hotel and Grand Hotel for joint walk to Textile Fashion Center (Responsible; Almås volunteers)
- 17.00 Welcome Reception and pre-registration (Venue: Textile Fashion Center)

DAY 1: 9 SEPTEMBER 2013, MONDAY

Overall chair: Mr. Ulf Olsson, Mayor /Mr. Tom Andersson, 2nd Vice Mayor, City of Borås, Sweden
Co-chair: Prof. Björn Brorström, Head of the University of Borås, Sweden

Time	Programme
08.30-09.30	Registration and Coffee
	Opening and Welcome Remarks by Organizers
09.30-10.00	- Mr. Ulf Olsson, Mayor, City of Borås, Sweden Public Private Partnership (PPP) in Borås - Mrs. Maria Khorsand, CEO, SP Technical Research Institute of Sweden - Mr. Gunnar Peters, CEO, Borås Energy and Environment - Prof. Björn Brorström, Head of the University of Borås - Mr. Ulf Olsson, Mayor, City of Borås, - Mr. CRC Mohanty, Environment Programme Coordinator, UNCRD
	Keynote Speech
10.00-10.30	<i>Sweden and sustainable development</i> - Ms. Annika Markovic, Environment Ambassador, Ministry for the Environment, Sweden
	Theme 1: Resource Efficiency and Zero Waste towards Building Sustainable and Resilient

Cities through Partnership		
10.30-10.50	<i>Ha Noi 3R Declaration in the Context of Rio+20 Outcome – Implications towards Resource Efficient and Zero Waste Society</i> - Mr. CRC Mohanty, Environment Programme Coordinator, UNCRD	<u>Chair</u> H.E. James Chan Khay Syn, Mayor, Kuching City South Council, Malaysia <u>Rapporteur</u> Mofoluwake Ishola and Abas Mohsenzadeh
10.50-11.10	<i>Our vision - a city free from fossil fuels. Opportunities in the future – cooperation through Public Private Partnership</i> - Mr. Gunnar Peters, CEO, Borås Energy and Environment, Sweden	
11.10-11.30	<i>Instruments to climb the waste hierarchy, on the way to waste prevention</i> - Ms. Erika Nygren, Swedish Environmental Protection Agency	
11.30-11.50	<i>Visions and Implementations for a Green and Clean City of Palu, Indonesia – the social dimension of a waste management strategy</i> - Mr. Sance Lipu, Tadulako University, Palu, Indonesia	
12.00-13.00	Lunch	
13.00-13.40	Panel Discussion on Zero Waste	
	<u>Facilitator:</u> Dr. Hans Björk, University of Borås, Sweden <u>Panelists:</u> - Ms. Jung, Mun-Hee, Deputy Director, Resource Recirculation Bureau, Ministry of Environment, Republic of Korea - Mr. Vaughan Levitzke, Chief Executive, Zero Waste SA, South Australia - Mr. Jerome Stucki, Industrial Development Officer, Environmental Management Branch, United Nations Industrial Development Organisation (UNIDO) - Mr. Gunnar Peters, CEO, Borås Energy and Environment - Dr. Rodrigo Sabatini, Novociclo, Brazil	
Theme 2: Waste Management Technologies - Assessment, Selection, Access, Transfer and Adaptation		
13.40-14.00	<i>Assessment and selection of waste management technologies</i> - Dr. Evalena Blomqvist, SP Technical Research Institute of Sweden	<u>Chair</u> Mr. Alexandru Ambros Mayor, City of Ungheni, Moldova <u>Rapporteur</u> Kehinde Oluoti and Sunil Kumar
14.00-14.20	<i>City Clusters in Waste Management – Gamping Fruit Market in Sleman Regency, Indonesia- the project and the future - Appropriate transfer and Management through partnerships</i> - Dr. Siti Syamsiah, Gadjah Madah University, Indonesia	
14.20-14.40	<i>Needs for waste management technology – case of Russia and EurAsEC</i> - Mr. Vladimir A. Maryev, Director, International Center for the Best Environmental Technologies (ICBET), Russia	
14.40-15.00	Coffee break	
15.00-15.20	<i>Optimizing co-benefits of climate change and global warming from</i>	

	<i>municipal solid waste management for the 21st century cities - Introduction to Municipal Solid Waste Initiative of Climate and Clean Air Coalition (CCAC)</i> - Ms. Annika Markovic, Environment Ambassador, Ministry for the Environment, Sweden	
15.20-15.40	<i>City-City Cooperation for Sustainable Waste Management - Technology Transfer through N-S-S network</i> - Mr. Kazunobu Onogawa, Senior Fellow, Institute for Global Environmental Strategies (IGES), Japan	
15.40-16.20	Panel Discussion on Waste Management Technologies	
	Facilitator: Mr. Jerome Stucki, Industrial Development Officer, Environmental Management Branch, United Nations Industrial Development Organisation (UNIDO) Panelists: - Dr. Evalena Blomqvist, SP Technical Research Institute of Sweden - Dr. Siti Syamsiah, Gadjadara University, Indonesia - Mr. Vladimir A. Maryev, ICBET, Russia - Ms. Annika Markovic, Ministry for the Environment, Sweden - Mr. Kazunobu Onogawa, IGES	
16.50 17.00-19.00	Joint walk from Textile Fashion Center to Navet (Responsible: Almås volunteers) Navet Science Center	
20.00	Dinner Scandic Plaza Hotel	

DAY 2: 10 SEPTEMBER 2013, TUESDAY

Overall chair: Mr. Ulf Olsson, Mayor /Mr. Tom Andersson, Vice Mayor, City of Borås, Sweden

Co-chair: Mr. Ulrik Nilsson, Member of the National Parliament of Sweden/ SP Technical Research Institute of Sweden

Time	Programme	
	Keynote Speech	
8.30-9.00	<i>Examples of waste management from a developing country, from past to present times</i> - Ms. Sara Stenhammar, Program Manager, Environment & Energy, Global Programmes, Department for International Organisations and Policy Support, Swedish International Development Cooperation Agency (Sida)	
	Theme 3: Public private partnership (PPP) and financing and investment opportunities in zero waste	
9.00-9.30	<i>Ericsson Product Take-Back</i> - Mr. Stephen Rodgers, Ericsson	<u>Chair</u> Mr. Vaughan Levitzke, Chief Executive,
9.30-9.50	<i>Zero Waste as a vehicle to realize Green Economy in Southern Africa</i>	

9.30-9.50	- Prof. Christina Trois, Dean and Head, School of Engineering, University of KwaZulu-Natal / International Waste Working Group Southern African Regional Branch, South Africa	Zero Waste South Australia <u>Rapporteur</u> Behnaz Baghaei and Fatimat Bakare
9.50-10.10	<i>Demo Environment – Example of Public Private Partnership</i> - Mr. Marcus Liu, Swedish Agency for Economic and Regional Growth (Tillväxtverket), Sweden	
10.10-10.30	Coffee break	
10.30-11.20	Post-it presentation for sponsoring companies (5 min each) - FOV Biogas - Envac AB - Biogas System - Götaverken Miljö AB - VA-Teknik i Borås AB - Vinnova - Dalkia - EkoPhotons AB - Sweco	
11.20-12.00	Panel Discussion on PPP and financing/investment in zero waste	
	Facilitator: Mrs. Jessica Magnusson, SP Technical Research Institute of Sweden Panelists: - Mr. Stephen Rodgers, Ericsson - Mr. Hermann Koller, Managing Director, International Solid Waste Association (ISWA) - Prof. Christina Trois, University of KwaZulu-Natal/ IWWG-SARB - Ms. Sofia García-Cortés, German Development Cooperation (GIZ) - Representative from Sweco	
12.00-13.00	Lunch	
	Theme 4: Waste recycling markets and green jobs	
13.00-13.20	<i>Waste recycling markets and creating green jobs- European perspective</i> - Mr. Johan Sundberg, Profu, Sweden	<u>Chair</u> H.E. Sena Dissanayake, Deputy Mayor, Kandy Municipal Council, Sri Lanka <u>Rapporteur</u> Sylmara Gonzalez and Jorge Ferreira
13.20-13.40	<i>Waste recycling markets and creating green jobs- Asian perspective</i> - Prof. Chettiyappan Visvanathan, Environmental Engineering and Management Program, School of Environment, Resources and Development, Asian Institute of Technology (AIT), Thailand	
13.40-14.00	<i>Sustainability, Future needs, Solutions and Social inclusions</i> - Dr. Maria Cecilia dos Santos, University of São Paulo, Brazil	

14.00-14.40	Panel Discussion on waste recycling markets and green jobs	
	<p>Facilitator: Mr. CRC Mohanty, UNCRD</p> <p>Panelists:</p> <ul style="list-style-type: none"> - Mr. Johan Sundberg, Profu, Sweden - Prof. Chettiyappan Visvanathan, AIT, Thailand - Dr. Maria Cecilia dos Santos, University of São Paulo, Brazil - Mr. Jon Elam, General Manager, Tamalpais Community Service District, USA - Mr. Pär Carlson, Borås Energy and Environment, Sweden - Dr. Nelly Mogollon Montanez, Director, Unidad Administrativa Especial de Servicios Publicos (UAESP), Colombia 	
14.40-15.00	Coffee break	
	Theme 5: Regional Cooperation (inter-municipal/ industry-industry /country-country)	
15.00-15.20	<p><i>Waste Recovery, an international partnership that supports capacity building, knowledge and technology transfer for a sustainable waste management to local and regional authorities</i></p> <ul style="list-style-type: none"> - Pär Carlsson, Hans Björk & Jessica Magnusson, Waste Recovery International Partnership in Borås, Sweden 	<p><u>Chair</u> H.E. Andrew Mua, Mayor, Honiara City Council, Solomon Islands</p>
15.20-15.40	<p><i>Regional Cooperation in Waste Management in the Pacific Region</i></p> <ul style="list-style-type: none"> - Ms. Esther Richards, Solid Waste Management Adviser, Secretariat of the Pacific Regional Environment Programme (SPREP), Samoa 	<p><u>Rapporteur</u> Mofoluwake Ishola and Abas Mohsenzadeh</p>
15.40-16.00	<p><i>ECO-Innovations through Public Private Partnerships</i></p> <ul style="list-style-type: none"> - Prof. Tobias Richards, University of Borås, Sweden - Dr. Berit Gullbransson, SP Technical Research Institute of Sweden 	
16.00-16.40	Panel Discussion on Regional Cooperation	
	<p>Facilitator: Dr. Hans Björk , University of Borås / Mr. CRC Mohanty, UNCRD</p> <p>Panelists:</p> <ul style="list-style-type: none"> - Mrs. Jessica Magnusson, Waste Recovery International Partnership in Borås, Sweden - Ms. Esther Veronica Richards, SPREP, Samoa - Mr. Carlos RV Silva Filho, ABRELPE/ISWA-Brazil - Dr. Siti Syamsiah, Gadjah Madah University, Indonesia - Mr. David Bilsland, Coordenadoria de Relações Internacionais (CRI), Brazil - Ms. Julia Koerner, Regional Solid Waste Exchange of Information and Expertise Network (SWEEP-Net), Tunisia 	
16.40-17.00	Coffee break	
	Operational issues of IPLA	

17.00-17.30	- Designation of new Sub-Regional Secretariats and welcome to new IPLA member cities - Introducing the IPLA Portal – by Mr. Rahul Datar, Senior Vice President, Environmental Management Centre, India	<u>Chair/ Rapporteur</u> CRC Mohanty, UNCRD
17.30-17.40	Adoption of the Chair's Summary	<u>Chair:</u> Mr. Tom Andersson, 2 nd Vice Mayor, City of Borås
Wrap-up and Closing Session		
17.40-18.00	- Tom Andersson, 2 nd Vice Mayor, and Nanna Siewertz Tulinius, International Business Coordinator, City of Borås, - CRC Mohanty, UNCRD	
19.50	Pick up at Scandic Hotel Plaza and Grand Hotel for a joint walk to the City Hall (Responsible: Almås volunteers)	
20.00	Dinner at City Hall	

DAY 3: 11 SEPTEMBER 2013, WEDNESDAY

Time	Study Visit
8.20	Pick up at the Scandic Plaza Hotel and Grand Hotel
8.20-12.30	<ul style="list-style-type: none"> - Sobacken - waste management center of Borås - Ryaverket - power plant for district heating, cooling and electricity in Borås - Ericsson - Industrial recycling - Recycling stations and centers of Borås
Mingle Lunch and two alternative sessions	
12.30-14.30	<p>a) Future Academic Cooperation [Venue: University of Borås, M401 Parlamentet]</p> <p>b) Opportunity to ask questions regarding today's study visits [Venue: University of Borås, M402]</p>
15.00	Departure to Landvetter Airport by bus from the University of Borås

Questions for Panel Discussions

Theme 1: Resource Efficiency and Zero Waste towards Building Sustainable and Resilient Cities through Partnership

- (1) Zero waste is discussed as a goal to achieve for resilient cities, but what do we mean by Zero Waste? Do we have consensus about a general definition?*
- (2) Why should resiliency matter to 21st century cities? How can zero waste contribute towards resiliency of cities? Is zero waste given due consideration in political and development agenda?*
- (3) In order to move towards a zero waste society, what policy interventions and institutional mechanisms should the cities and municipalities fundamentally consider in short and long run? What is the main barrier to implement a good master plan?*
- (4) How national authorities could help cities and municipalities in overcoming major challenges and barriers in integrating resource efficiency and zero waste in the overall policy, planning, and development at local level?*
- (5) How public-private partnership could be successfully instituted in municipal governance to take full advantage of the private sector dynamism (finance, technological intervention, expanded services to local communities, job creation, etc.) in turning waste into useful resources?*
- (6) How city authorities and municipalities could work with other key stakeholders such as – NGOs, scientific and research institutions, and communities in promoting zero waste policies and programmes?*

Theme 2: Waste Management Technologies - Assessment, Selection, Access, Transfer and Adaptation

- (1) What are the main technological challenges and gaps the local and municipal authorities are facing with in addressing the complexity and diversification of waste streams, mainly new and emerging waste streams such as – e-waste, chemicals and hazardous waste, plastics in coastal and marine environment, etc.?*
- (2) How do these emerging waste streams matter to local and municipal authorities? What serious challenges they pose for the Mayors/Municipal Commissioners in realizing 21st century cities that call for sustainable, safe and healthy living environment for all?*

- (3) *What new and innovative partnership mechanisms and technical cooperation are required for environmentally sound management of these emerging waste streams, including for their prevention?*
- (4) *How cities and municipalities could benefit through public-private, city-city, industry-industry, country-country (North-South & South-South) cooperation in scaling up of application of sound and locally adaptable waste management technologies as well as building necessary 3Rs (reduce, reuse, recycle) infrastructure ?*

Theme 3: Public Private Partnership (PPP) and Financing and Investment Opportunities in Zero Waste

- (1) *What are the existing and potential areas for PPP and financing/investment in the waste management sector that contribute towards resource efficiency and zero waste?*
- (2) *What are the major policy or institutional barriers cities/municipalities face in promoting/implementing PPP in a wider scale? Is PPP the most viable options for cities and municipalities in developing/expanding required infrastructure and services?*
- (3) *What are enabling conditions needed (policy/legislative, institutional arrangements, etc.) for city and municipalities to take full benefit of private sector financing to leverage their growing waste financing needs in order to have greatest impact on the ground?*
- (4) *How the interface between local government, private sectors, and financial institutions (e.g., development banks, bi-lateral/multi-lateral donors) can be strengthened to develop large scale PPP projects in building essential infrastructures towards resource efficient and zero waste (e.g., science parks, eco-industrial zones, WtE projects for GHG reduction, waste recovery facilities, recycling industries, etc.)?*

Theme 4: Waste Recycling Markets and Green Jobs

- (1) *What range of opportunities world recycling market offers to developing cities and municipalities?*
- (2) *Given that the world market for municipal waste (from collection to recycling) is growing, how cities/municipalities can effectively collaborate with private sector in promoting waste recovery and recycling markets in their own cities and localities?*

(3) How inter-municipal cooperation could play a role in effectively tapping the world recycling markets?

(4) Informal waste sector plays a significant role in contributing towards waste collection, recovery, and recycling markets in developing countries, but there are many serious social, health, and labor issues involved. Do we best examples of cities and municipalities that have successfully introduced environmental and social standards and regulations taking into considerations the interest of informal sector workers, including women and under-aged children who are often engaged without provision of any protection from potential health risk hazards?

Theme 5: Regional Cooperation (inter-municipal/ industry-industry /country-country)

(1) What could be the nature and modalities of inter-municipal cooperation in advancing zero waste society?

(2) What could be the scope and modalities of industry-industry cooperation in dealing with industrial & hazardous wastes, including new emerging waste streams that are beyond the capacity of developing cities and municipalities to handle?

(3) What could be the scope and modalities of country-country cooperation in fostering technology transfer in waste management?

(4) In Rio+20 Outcome document, the international community have called for special attention to issues and challenges faced by small island developing states (SIDS). Among others, the health, productivity, bi-diversity, and resilience of oceans and marine ecosystems are extremely important for present and future generations. In this regard, what type of regional cooperation could help address the specific waste management challenges faced by small island developing states (SIDS)?

(5) What specific measures we can consider to effectively address the issue of plastics and other hazardous wastes in marine environment and ecosystem (rich fauna, flora, coral reefs) that supports the vital livelihood security of the island community?