Update from ISWA General Secretariat

Working Group Energy Recovery

Copenhagen, 7\textsuperscript{th} April 2017

\textit{The world’s leading network promoting professional and sustainable waste management}

Main Sponsors
Working Group projects

**Biological Treatment of Waste**
- Quantify the Benefit of Organic Matter in Compost and Digestate When Applied to Soils
- World Congress session contrasting biowaste management across the world

**Climate Change and Waste Management**
- E.g. Cooperation with CCAC (Climate & Clean Air Coalition)

**Collection and Transportation Technology**
- World Congress session on Smart Technologies
- Paper on key issues to consider when setting up a collection system in remote/scattered areas

**Communication and Social Issues**
- Communication Guidelines for Waste Managers

**Energy Recovery**
- Update of state of the art report of WtE technologies
- Update on white paper on alternative technologies
- Paper informing what is Waste to energy for laymen

**Governance & Legal Issues**
- Paper on Extended Producer Responsibility
- Compilation of financing systems for municipal solid waste management in different countries and municipalities
- Developing informal sector workshop

**Hazardous Waste**
- Training Resources pack (TRP+) on Hazardous Waste

**Healthcare Waste**
- Cooperation with World Health Organisation (WHO)
- Paper on available technologies to treat healthcare waste, also involving small solutions for disaster management

**Landfill**
- Update of the Landfill operations guideline
- ISWA’s Closing Dumpsite Initiative

**Recycling and Waste Minimisation**
- Report on Waste Sorting Plants
- In preparation: Paper on technological challenges in textile recycling; Paper on waste prevention; paper on definition of recycling
Further ISWA STC projects

**Running:**
- Training Resources pack (TRP+) on Hazardous Waste
- Waste Sorting Plant Guidelines
- Adressing the barriers of sustainable resource management

**In Preparation:**
- Marine Litter
- Extended Producer Responsibility
- Soil Carbon Sequestration
International Partnerships

UNIDO

CLIMATE & CLEAN AIR COALITION
TO REDUCE SHORT-LIVED CLIMATE POLLUTANTS

THE WORLD BANK

IPLA

CTCN CLIMATE TECHNOLOGY CENTRE & NETWORK

giz Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

UNESCO United Nations Educational, Scientific and Cultural Organization

GREEN CLIMATE FUND

BASEL CONVENTION the world environmental agreement on wastes

World Health Organization
Project Goal: Address the main identified gaps within the Dar es Salaam waste management scheme, involving all relevant actors

ISWA Goals:
- Enhancing ISWA’s network in Africa
- Setting baseline for WM industry to invest in Africa
- Engagement of ISWA experts
- Raising global visibility of ISWA

Completed Activities:
- City assessment & action plan
- Baseline study on household behaviour and awareness raising
- Workshop on Landfilling, Management of Pugu Dumpsite
- Workshop on organic waste management

Activities 2017:
- Development of an organic Waste Management Strategy for Dar
- Final Workshop: Project results, Communication & financial management, laying the ground for further activities (April 2017)

ISWA member involvement: Experts from the ISWA working groups on landfilling and biological treatment of waste

*CCAC = Climate & Clean Air Coalition
Recently completed external projects 2016/17

• Mountain Waste Management Outlook (in cooperation with UNEP)
• Asia Waste Management Outlook (in cooperation with UNEP)
• EWIT: A Toolkit for E-waste Management in African Cities (under H2020)
• Project to develop an EU Standardized Approach to Vocational Educational Training Awards in Healthcare Waste Management (EU Lifelong Learning Programme)
• CCAC* Sao Paulo Work Plan
• CTCN* – Feasibility study for an Mechanical Biological Treatment Plant in Cali, Colombia

All projects were involving ISWA General Secretariat staff and ISWA experts (National Members, Working Group members) → Sign up for expert database (write to us)

*CCAC = Climate & Clean Air Coalition CTCN = Climate Technology Centre & Network
70+ international events in 2016, including:

- Beacon Conferences
- Study Tours
- Training courses
- Working Group meetings
- Panel / Presentations
- ISWA World Congress
- Delegations
- Webinars
Trainings 2017

25 May 2017 - 26 May 2017, Singapore
ISWA WMRAS NEA Training course on MBT

29 May 2017 - 2 Jun 2017, Brussels, Belgium
ISWA Study Tour on Biological Treatment of Waste 2017

18 Jun 2017 - 23 Jun 2017, Munich, Germany
ISWA Study Tour Waste-to-Energy

7 Aug 2017 - 18 Aug 2017, Kuala Lumpur, Malaysia
ISWA - UM Summer School on Landfill in Developing Countries

4 Sep 2017 – 8 Sep 2017, Amsterdam, Netherlands
ISWA Study Tour on Collection Sorting & Recycling 2017
Discounted Registration for ISWA Members until June 30th.
Events in preparation for 2017

• ISWA-ARS, Buenos Aires, Brazil in April
• ISWA-ATEGRUS International Seminar on Waste Management SIGR2017, Mataró, Spain in June
• Beacon Conferences in Sweden 25-26th October;
• European Group Conference, Brussels, Belgium
• ISWA SWAT Conference Bangkok, Thailand
• ISWA SWAT Training Course, Thailand
• ISWA CAUES Conference, China
#closedumpsites

ISWA’s Global Initiative

ISWA is calling for the closure of the world’s 50 biggest dumpsites, some of the world’s most polluted and dangerous places.

The first step in our initiative is to gather support, please sign our declaration:

ISWA Closing Dumpsite Initiative

closedumpsites.iswa.org

Goals/Scope

• To start a global movement aiming at closing the world’s biggest dumpsites

• To persuade international stakeholders and decision makers to increase the investments in waste management, especially in the developing world.

• Provide guidance on how to close a dumpsite

• Long term: Develop emblematic pilot projects to close dumpsites

Main tasks 2017:

• Collecting Signatures for the declaration for closing the worlds biggest dumpsites

• Setting up partnerships with NGOs, governments and municipalities

• Developing the Website, FAQ, Knowledge Base

• Fundraising
ISWA’s Knowledge Sharing Channels

**ISWA’s Magazine & Journal and Digital Library:**
- Waste Management World
- Waste Management & Research
- Knowledge Base – online digital library
  - 3,600 articles

**Technical Publications:**
- Technical Guidelines, e.g. Waste Management Outlooks
- Working Group & Project Publications
- Task Force Reports
- Annual Reports
- ISWA’s Reports
- ISWA’s Yearbooks
- ISWA’s Proceedings
- ISWA’s Technical Reports
- ISWA’s Special Publications
- ISWA’s Technical Memoirs
## PRINT Topics & Events 2017

<table>
<thead>
<tr>
<th>REGIONAL FOCUS</th>
<th>MAIN TOPICS</th>
<th>SPECIAL EDITION</th>
<th>ON DISPLAY AT</th>
</tr>
</thead>
</table>
| **01 January/February** CD: 25. 01. DOP: 08. 02. | India | Ferrous Metal Recycling 
Food Waste 
Plastic: EFW London Preview | Collection & Handling 
Collection Vehicles 
Street Cleaning | IFAT EURASIA, 10-14/02, Istanbul 
ENERGY FROM WASTE, 21-22/02, London 
SMMi, 29-30/02, Verona 
IPEC, 22-23/03, Berlin 
PLASTICS RECYCLING SHOW, 25-26/03, Amsterdam |
| **02 March/April** CD: 17. 03. DOP: 29. 03. | Latin America | Flo Reciprocating 
Recycling 
Collection recycled materials 
Sorting and handling waste 
Automobile Recycling 
Plastic: WASTE EXPO New Orleans Preview | Biogas 
Anaerobic digestion 
Window composting 
Advanced biogas | NAISITEC, 24-26/04, Minneapolis 
IE EXPO (IFAT ASIA), 4-6/05, Shanghai 
WASTE EXPO, 9-11/05, New Orleans 
RECYCLETECHNOLOGY, 10-11/05, Dortmund |
| **03 May/June** CD: 14. 05. DOP: 28. 05. | Eastern Europe | Waste to Energy plant review 
Pyrolysis 
Materials Handling 
Vehicle & Active Safety 
Plastic: Power-Gen Preview | Recycling 
E-Waste Recycling 
Scrap Metal Processing | EUBCE, 12-15/06, Stockholm 
POWER-GEN, 29-30/06, Cragne 
4th World Congress and Expos on Recycling, 3-5/07, Barcelona 
UK AD & Biogas 2007, 5-6/07, Birmingham, UK |
High-value biowaste treatment 
Multi-purpose Machinery 
Leachate treatment | Waste to Energy 
Small-scale waste to energy 
Alternative fuel | IFAT AFRICA, 12-14/09, Johannesburg 
InW, September Edite TBA, Birmingham, UK 
ICR, 20-22/09, Lisbon 
WASTECON / ISWA WORLD CONGRESS, 25-27/09, Baltimore 
IFAT INDIA, 25-28/09, Mumbai |
| **05 September/October** CD: 15. 09. DOP: 29. 09. | South-East Asia | Agricultural wastes 
Advanced conversion technologies 
Landfill Compactors 
Flax management systems 
Winter Maintenance 
Plastic: Ecomondo Preview | Recycling 
Sorting technology 
Plastics recycling | WORLD EFFICIENCY (POLLYCITE), 17-19/10, Paris 
WASTE MANAGEMENT MIDDLE EAST FORUM, October (TBA), Dubai 
EOC EXPO ASIA, October (TBA), Hong Kong 
ECOMOND, 7-10/11, Rimini 
NWC CONERENCE, TBA |
| **06 November/December** CD: 10. 11. DOP: 24. 11. | Middle East | Glass recycling 
In-vehicle composting 
Container Trends 
Scrap Handling 
Plastic: ECOWASTE Preview | Waste to Energy 
Boiler maintenance 
Emissions control | ENERGY FROM WASTE CONFERENCE, December, London 
ECOWASTE 2007, January 2007, Abu Dhabi 
ERC 2007, January 2007, Saltzburg |
ISWA’s Media and Promotion Channels

Websites:
- www.iswa.org
- Closedumpsites.iswa.org

Newsletters:
(21,000 recipients)

Social Media:

Video Streaming:
ISWA Young Professionals Group

Aims:
• Connecting Young professionals worldwide
• Bring about new ideas and initiatives that address the challenges in waste management through engagement with wider society
• Supporting career development

Activities include for example:
• Online Thematic discussions
• YPG sessions at major events
  • Special Session at the ISWA World Congress
  • Career events, e.g. at IFAT Munich and IFAT India
• Establish local networks
• ISWA YPG Mentorship programme

→ Become a mentor, write to ypg-mentors@iswa.org