

IERC 2016

15th International Electronics Recycling Congress IERC 2016

January 19 – 22, 2016, Salzburg, Austria



Patronage:

- DIGITALEUROPE
- European Committee of Domestic Equipment Manufacturers (CECED)
- European Electronics Recyclers Association (EERA)
- Federal Ministry of Agriculture, Forestry, Environment and Water Management, Austria
- Global Lighting Association
- Institute of Scrap Recycling Industries (ISRI)
- Japan Electronics and Information Technology Industries Association (JEITA)
- PlasticsEurope
- Verband Deutscher Metallhändler e.V. (VDM)
- WEEE Forum

REMONDIS®
WORKING FOR THE FUTURE



SMC
Salzburger Metall- und Elektronikrecycling GmbH

SIMS
RECYCLING SOLUTIONS



BOLIDEN



RLG
REVERSE LOGISTICS GROUP

PP
POOLING PARTNERS
FABER HALBERTSMA GROUP

AIR MERCURY
RECYCLING & METAL TRADING

geep
Global Electronic Equipment Processing

umicore
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btu box
TECH & SERVICE

MGG
Müller-Guttenbrunn Group

Aurubis
Our Copper for your Life



MBA POLYMERS
BECAUSE SUSTAINABILITY MATTERS

Metal Depot

TRG

ear
electronic waste recycling speed green

GEMEINSAMES RÜCKNAHME SYSTEM



MONTANWERKE
BRIXLEGG

WELCOME ADDRESS

Picture: BMLFUW/Newman



ANDRÄ RUPPRECHTER

Federal Minister for
Agriculture, Forestry,
Environment and
Water Management
Austria

The European waste management strategy is guided by the principles of precaution and sustainability. The aim is to achieve the objectives of the European waste management through an optimal mix of waste prevention, re-use, recycling and other forms of recovery and disposal. Every precept and every instrument must be measured according to the relevant principles and obligations rather than becoming an end in itself.

Recycling and energy recovery are the key-milestones in sustainable waste management. We have to take into consideration all the raw materials which are not available in Europe and therefore have to be imported on a large scale. Waste in general and waste of electrical and electronic equipment in particular will represent the resources, the raw materials which we almost only will have in

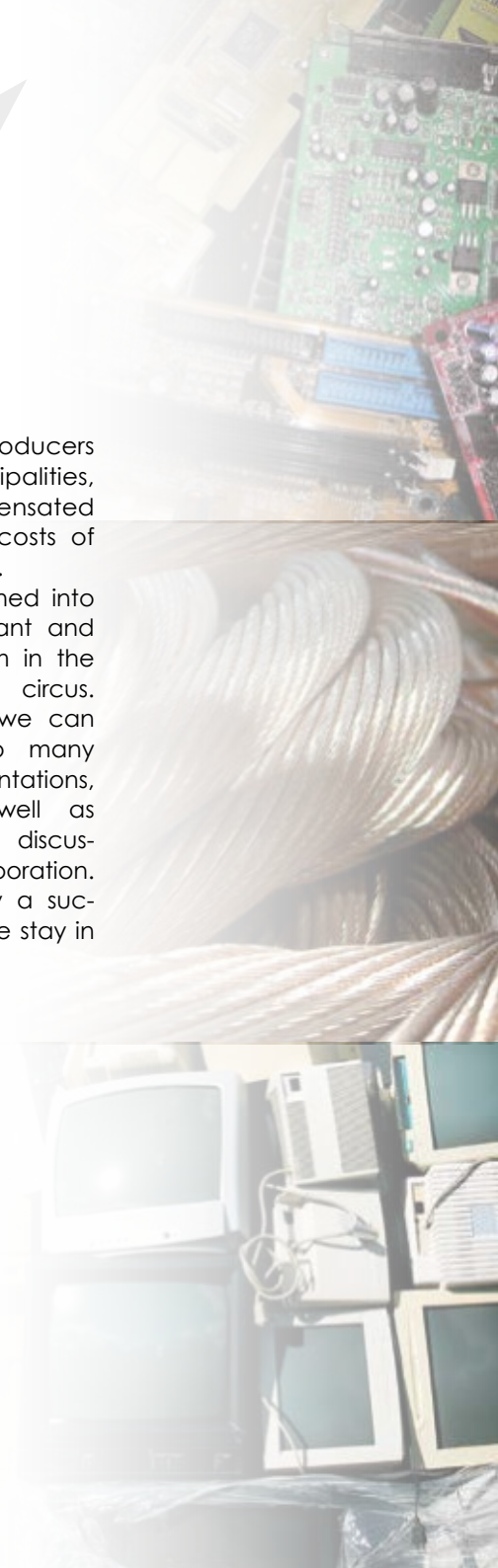
Europe in the future. New waste treatment technologies help to recover the materials to a great extent, but we have to withstand the global market. We must therefore keep the recycling circuits as small as possible. This is particularly important in the area of waste streams with a predominant share of metals like WEEE and ELV. It is our task to secure these raw materials for the European market. Considering the harmful effects of improper waste treatment in case of illegal exports and the loss of potential resources any export outside of Europe has to be handled with great care. The electrical and electronics sector is marked by rapid product changes. Technical innovation and market expansion has led to an ever increasing rate of goods being replaced. More and more uses are added and there is scarcely an area of modern life

that does not involve the use of electrical and electronic equipment. This development has led to a marked increase in the number of electrical and electronic devices. At the European level, the need for more harmonisation has been recognised as a means to come up with new European solutions of the pan-European waste electrical and electronic equipment issue, not least due to the numerous national developments and efforts.

The Austrian implementation of the European Union Directives is in force for more than 10 years now and it is a full success story. Because of the joint solution with lowest possible administration expense and expenditure for producers and distributors the collection and recovery could work flawlessly. In Austria, the financial responsibility for the collection is shared

between the producers and the municipalities, which are compensated for part of the costs of the infrastructure.

The IERC has turned into the most important and effective platform in the European WEEE circus. I am sure that we can look forward to many interesting presentations, exhibitions as well as mutually fruitful discussions and collaboration. I wish everybody a successful and a nice stay in Salzburg.



FOREWORD

JEAN COX-KEARNS
Chairman of the Steering
Committee IERC

**Welcome to Salzburg –
the home of “Amadeus
Mozart” and “Red Bull”**

On behalf of the Steering Committee I welcome you to Salzburg in January, 2016 for what will be our 15th International Electronics Recycling Congress.

Year after year IERC brings together producers, recyclers, equipment manufacturers, recycling associations, standards bodies, NGOs and regulators. Even after 15 years there are many issues that need to be addressed and what better location to do this than in the wonderful Salzburg Congress Centre surrounded by the historic city of Salzburg.

Despite with the level of maturity we see in the recycling industry there are many areas where some of the historic challenges remain and the changing face of regulation and products brings new challenges to the fore:

- Leakage of WEEE into informal channels continues to pose problems for the increasing targets we see in many markets
- There continues to be challenges in the markets for recycled materials with lower demand and prices
- The materials being used in manufacturing are less valuable but we see ongoing commitment from producers to achieve closed loop recycling supporting the Circular Economy
- We see highlighting of the E-waste problem but lack of regulation, investment and effective recycling practices in developing markets where a significant amount of recyclable material is finishing its useful life
- We continue to see challenges with the management of CRT glass
- Recyclers are leaving the market due to some or all of the above challenges.

Balancing these challenges we see increasing adoption of recycling standards improving the formal recycling industry coupled with ongoing developments in technology that improve recovery rates.

About 41.8 million metric tonnes of E-waste was generated in 2014 estimated at a USD 18.8 billion industry annually. A significant industry with opportunity.

We hope you will join us to explore our exhibition hall, network and listen and share in some great discussions.

I look forward to meeting you in Salzburg.



INTERNATIONAL STEERING COMMITTEE



JEAN COX-KEARNS
Chairman of the Steering Committee IERC
Reverse Logistics GmbH
Exec VP Compliance Solutions, Ireland



DR MARCO BULETTI
Federal Office for the Environment (FOEN), Waste Recovery and Treatment Section, Deputy Head of Section, Switzerland



DR SVEN GRIEGER
EARN Elektroaltgeräte Service GmbH
Manager WEEE Services Germany



VENKATESHA MURTHY
Vans Chemistry Pte. Ltd.
Managing Director Singapore



STEFAN-GEORG FUCHS
Vice Chairman of the Steering Committee IERC
Aurubis AG, Executive Director, Supply Recycling Raw Materials, Germany



STEPHANE BURBAN
Glencore International AG Switzerland



KLAUS HIERONYMI
HP Inc.
Global Resource Efficiency and Circular Economy Strategies



WENDY NEU
Hugo Neu Corporation
Chief Executive Officer USA



DR VIKTOR HAEFELI
Chairman of the Lecture Group IERC
Smart Resources Switzerland



ROGER BURRI
Metal Depot Zurich AG
CEO Switzerland



DR JACO HUISMAN
Delft University of Technology
Associate Professor Netherlands



DR ANDREAS RÖTHLISBERGER
SENS Foundation
President Switzerland



MANFRED BECK
Recycling International
Publisher Netherlands



VICTOR DUART
IBM Corporate Environmental Affairs
Manager Environmental Policy & Programs Spain



PROF. HSIAO-KANG MA
National Taiwan University
Department of Mechanical Engineering Taiwan



PROF. YASUHIRO TSUGITA
University of EHIME
Professor and Consultant Japan



OLOV BOMAN
Boliden Commercial AB
Manager Secondary Raw Materials Sweden



MANFRED FAHRNER
ALBA Electronics Recycling GmbH
Chief Sales Officer Germany



DR PHILIP MORTON
WEEE Forum
President Belgium



NORBERT ZONNEVELD
EERA
Executive Secretary Netherlands

LOCATION OF THE CONGRESS



The 15th International Electronics Recycling Congress IERC 2016 will be held at the:

Salzburg Congress
Auerspergstrasse 6
5020 Salzburg, Austria

Phone +43 662 889870
Fax +43 662 88987210
www.salzburgcongress.at



Salzburg Congress is located in the centre of Mozart's city. Only 15 minutes from Salzburg Airport and 10 minutes from train station by taxi or bus. Direct trains available from Munich Airport (www.bahn.de) and Vienna Airport (www.oebb.at).



Salzburg – The city of Mozart

UNESCO nominated Salzburg's city centre as part of the world's cultural and natural heritage. Now the city officially ranks among the most beautiful cities in the world, certainly one deserving a high degree of protection.

www.salzburg.info

A number of rooms are held at a discounted rate by registering **before December 18, 2015** for the participants. If you wish, you may also extend your stay at the same rates.

IMPORTANT NOTICE:

We have been alerted that unofficial housing providers are trying to contact IERC delegates and exhibitors claiming to be associated to ICM and can secure hotel rooms at designated IERC hotels in Salzburg. These companies are not authorized to represent ICM nor IERC. Please note that we have no affiliation with any housing coordinator.
If you have any concerns, contact us at info@icm.ch.

HOTEL ACCOMMODATION



Sheraton Salzburg Hotel ****

Auerspergstrasse 4, 5020 Salzburg
Phone +43 662 889990
www.sheraton.com/salzburg
next to Salzburg Congress



Hotel Bristol Salzburg ****

Makartplatz 4, 5020 Salzburg
Phone +43 662 873557
www.bristol-salzburg.at
5 minutes walking distance to Salzburg Congress



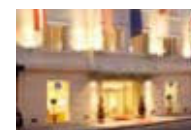
Hotel Crowne Plaza Salzburg ****

Rainerstrasse 6–8, 5020 Salzburg
Phone +43 662 889780
www.Implauerhotels.com
2 minutes walking distance to Salzburg Congress



Hotel Wyndham Grand ****

Fanny-von-Lehner-Strasse 7, 5020 Salzburg
Phone +43 662 46880
www.wyndhamgrandsalzburg.com
10 minutes walking distance to Salzburg Congress



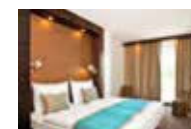
Best Western Hotel Implauer ****

Rainerstrasse 12, 5020 Salzburg
Phone +43 662 88992
www.Implauerhotels.com (non smoking hotel)
5 minutes walking distance to Salzburg Congress



Hotel Achat Plaza Zum Hirschen ****

Saint Julien Strasse 21–23, 5020 Salzburg
Phone +43 662 889030
www.zumhirschen.at
5 minutes walking distance to Salzburg Congress



Motel One Salzburg-Mirabell***

Elisabethkai 58–60, 5020 Salzburg
Phone +43 662 885200
salzburg-mirabell@motel-one.com
10 minutes walking distance to Salzburg Congress

WHO SHOULD ATTEND?



- Original electronic equipment manufacturers (OEMs)
- Electronic equipment importers and dealers
- Schemes and take back organizations
- Ferrous & non-ferrous metal traders
- Collection and transportation companies
- Recycling and dismantling companies
- Shredding companies
- Plastics industry
- Non-ferrous metal industry
- Ferrous and stainless steel industry
- Environmental authorities
- Universities and research institutes
- Laboratories for material science
- Investors
- Consultants



KEYNOTE SPEAKERS

DR MARKUS LAUBSCHER

Philips Group Sustainability
Program Manager Circular Economy
Netherlands

“Philips journey from linear to circular - and why?”



STEVE SKURNAC

Sims Recycling Solutions
Global President
USA

“New frontiers in E-scrap business”



CONGRESS SCHEDULE IERC 2016

Time	Room "Europe" (2 nd floor)	Room "Mozart" (ground floor)	Exhibition Hall (1 st floor)
Tuesday, January 19, 2016			
13.00 – 14.00	Registration in the exhibition hall		
14.00 – 17.00	Workshop: "ProSUM" (Hotel Sheraton)		
17.00 – 19.00	Registration in the exhibition hall		
Wednesday, January 20, 2016			
08.00 – 09.30	Registration and welcome coffee in the exhibition hall		
09.30 – 11.00	Opening and Guest Speaker Presenting of the "IERC HONORARY AWARD"		Exhibition
11.00 – 11.30	Coffee break in the exhibition hall		
11.30 – 12.30	Keynote Speakers		
12.30 – 14.00	Lunch in the exhibition hall		
14.00 – 15.30	Circular Economy in Reality	Tool Box Talks	
15.30 – 16.00	Coffee break in the exhibition hall		
16.00 – 17.00	Reuse & Refurbishment	Technical Innovation 1	
17.00 – 18.30	Cocktail reception in the exhibition hall sponsored by "Pooling Partners"		
from 19.30	Networking dinner "Wild Wild West"		
Thursday, January 21, 2016			
08.00 – 09.00	Welcome coffee in the exhibition hall		
09.00 – 10.30	Standards		Exhibition
10.30 – 11.00	Coffee break in the exhibition hall		
11.00 – 12.30	What do nowadays products mean for future WEEE recycling?	Country Reports	
12.30 – 14.00	Lunch in the exhibition hall		
14.00 – 15.30	Transboundary Movements	Technical Innovation 2	
15.30 – 16.00	Coffee break in the exhibition hall		
16.00 – 17.00	Podium Discussion "Circular Economy: Is it hype or mega trend?"		
from 17.00	Farewell cocktail in the exhibition hall sponsored by "Pooling Partners"		
Friday, January 22, 2016			
09.00 – 12.00	Workshop: "ADR-compliant transport of lithium batteries from WEEE" (Hotel Sheraton)		
08.00 – 17.15	Plant Tours: Müller-Guttenbrunn, Metran and MBA Polymers, Amstetten/Kematen		
08.15 – 17.15	EAR – Elektronik Altgeräte Recycling West GmbH, Pfaffenhofen & TRG – Tiroler Recycling GmbH & CoKG, Pfaffenhofen		
08.30 – 14.45	Montanwerke Brixlegg AG, Brixlegg		

WORKSHOP



ProSUM Prospecting Secondary raw materials in the Urban mine and Mining wastes

The workshop will provide participants with state of the art information on data availability for secondary raw materials, particularly, critical raw materials in WEEE.

Moderated by Dr Jaco Huisman, UNU

Organized by WEEE Forum

Date Tuesday, January 19, 2016

Time 14.00 – 17.00

Location Mozart Room, Hotel Sheraton Salzburg

Price EUR 70.– (incl. coffee break)

WHO SHOULD ATTEND THE WORKSHOP?

- WEEE recyclers
- Producer Responsibility Organizations
- EEE producers
- Researchers
- Policy makers

The European Innovation Partnership on Raw Materials has defined actions to improve the knowledge base on secondary raw materials. The ProSUM project, funded under the European Union's Horizon 2020 research programme, aims to supply the inventory component of this knowledge base for WEEE, ELVs, batteries and mining wastes.

The ProSUM project will gather data on the WEEE known to have relatively high concentrations of critical raw materials. Methodologies will be developed to gather harmonised and standardised data, compliant and compatible with existing primary raw materials databases. The data will be accessed through the EU Urban Mine Knowledge Data Platform and a user friendly web portal.

At the workshop

- Learn more about the availability of state-of-the-art data and intelligence on secondary and critical raw materials in WEEE including:
 - Critical raw materials in components
 - Historic and current stocks of WEEE
 - Flows of WEEE and WEEE fractions
- Share your opinions on the options for data presentation in the portal and the services and tools to help you use and access the data.
- Get involved in the Information Network to help improve the knowledge base and get project outcomes which meet your needs.

The workshop will be held with a minimum of 8 participants.

To register, please contact ICM AG.

For more information on the project see www.prosumproject.eu



CONGRESS PROGRAM IERC 2016

TUESDAY, JANUARY 19, 2016

13.00 – 14.00 Registration in the exhibition hall

14.00 – 17.00 **Workshop** "ProSUM Prospecting Secondary raw materials in the Urban mine and Mining wastes"

17.00 – 19.00 Registration in the exhibition hall

WEDNESDAY, JANUARY 20, 2016

08.00 – 09.30 Registration and welcome coffee in the exhibition hall

09.30 – 11.00 **Welcome and Introduction**

"Aligning IERC to the Circular Economy"
Jean Cox-Kearns, Chairman of the Steering Committee

GUEST SPEAKER

PRESENTING OF THE "IERC HONORARY AWARD"

11.00 – 11.30 Coffee break in the exhibition hall

11.30 – 12.30 **KEYNOTE SPEAKERS**

"Philips journey from linear to circular – and why?"
Dr Markus Laubscher, Philips Group Sustainability, Netherlands

Moderator: Stefan-Georg Fuchs, Aurubis AG, Germany

"New frontiers in E-scrap business"
Steve Skurnac, Sims Recycling Solutions, USA

Moderator: Roger Burri, Metal Depot Zurich AG, Switzerland

12.30 – 14.00 Lunch in the exhibition hall

Circular Economy in Reality
Session Chairman: Dr Philip Morton, WEEE Forum, Belgium

14.00 – 14.30 "Closing loops and the Circular Economy"
Patrick Wiedemann, Reverse Logistics Group, Germany

14.30 – 15.00 "The Swedish electrical and electronics recycling: How about the Circular Economy?"
Jolanda van Rooijen, Uppsala University, Sweden

15.00 – 15.30 "Boosting the circular management of metals"
Annick Carpentier, Eurometaux – European Association of Metals, Belgium

15.30 – 16.00 Coffee break in the exhibition hall

Reuse & Refurbishment
Session Chairman: Stefan-Georg Fuchs, Aurubis AG, Germany

16.00 – 16.30 "The role of re-use and refurbishment in a Circular Economy"
Scott Venhaus, Arrow Electronics, Inc., USA

16.30 – 17.00 "ReUse notebook – Collection, refurbishment and distribution system (RUN)"
Dr Ralf Brüning, Dr Brüning Engineering UG, Germany

17.00 – 18.30 **Cocktail reception in the exhibition hall sponsored by**

from 19.30 **Networking dinner "Wild Wild West"**

Tool Box Talks
Moderator: Dr Sven Grieger, EARN Elektroaltgeräte Service GmbH, Germany

"Is it possible to use *green technology* to recycle precious metals and copper from WEEE?"
Thorsten Koras, KORAS GmbH, Germany

"The latest approach to milling E-waste"
Andrew Wilson, swissRTec AG, Switzerland

"Do it yourself, E-waste"
Ekin Kis, EMAK RECYCLING SYSTEMS Co., Turkey

"From WEEE to valuable plastic raw materials"
Jannick Sercu, GALLOO Plastics S.A., France

Technical Innovation 1
Session Chairman: Stephane Burban, Glencore International AG, Switzerland

"The gentle way to success! Key factors for highly efficient regrind recycling"
Clemens Kitzberger, EREMA GmbH, Austria

"WEEE identification tunnel – Innovation technology for identification and sorting of CRT and FPD appliances"
Lukas Plosek, ASEKOL, Czech Republic

"SAFR™ | An introduction: The way to more sustainable fire safety solutions"
Willem Hofland, ICL-IP Europe BV, Netherlands

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CONGRESS PROGRAM IERC 2016

THURSDAY, JANUARY 21, 2016

08.00 – 09.00 Welcome coffee in the exhibition hall

Standards

Session Chairman: Dr Andreas Röthlisberger, SENS Foundation, Switzerland

- 09.00 – 09.30 "What you need to know about EN standards"
Norbert Zonneveld, EERA – European Electronics Recyclers Association, Netherlands
- 09.30 – 10.00 "CO₂ diet for the planet"
Christoph Becker, RAL Quality Assurance Association for the Demanufacture of Refrigeration Equipment, Luxembourg
- 10.00 – 10.30 "Auditing and enforcement standards"
Petr Novotny, WEEELABEX Organisation, EU competence centre

10.30 – 11.00 Coffee break in the exhibition hall



What do nowadays products mean for future WEEE recycling?
Moderator: Norbert Zonneveld
Organizer: EERA

- 11.00 – 12.30 "Introduction on the architecture, the materials and potential hazardous substances used in CFA, IT, displays and SDA products"
Representatives of producers of EEE
- "What are the consequences of these nowadays products on collection and treatment in future?"
Representatives of recyclers of WEEE
- "Speed dating session"
Inputs from technology providers, scientists and the audience

Country Reports

Session Chairman: Venkatesha Murthy, Vans Chemistry Pte. Ltd., Singapore

- "Latin America – An E-waste update"
Victor Duarte, IBM Corporate Environmental Affairs, Spain
- "Status report on electronics recycling in the United States and Canada"
Jerry Powell, E-Scrap News, USA

12.30 – 14.00 Lunch in the exhibition hall

Transboundary Movements

Session Chairman: Dr Marco Buletti, Federal Office for the Environment (FOEN), Switzerland

- 14.00 – 14.30 "Most illegal trade occurs within Europe"
Dr Jaco Huisman, UNU – United Nations University, Germany
- 14.30 – 15.00 "How to make legal exports easier"
Chris Slijkhuis, Müller-Guttenbrunn GmbH, Austria
- 15.00 – 15.30 "Reverse logistics as a key enabler for the Circular Economy"
Richard Barnish, DHL Supply Chain, United Kingdom

15.30 – 16.00 Coffee break in the exhibition hall

Podium Discussion

"Circular Economy: Is it hype or mega trend?"

Moderator: Dr Kirstie McIntyre, HP Inc., WW Environmental Operations

Participants: Manfred Fahrner, ALBA Electronics Recycling GmbH, Germany
Magnus Gislev, European Commission (DG Growth), Belgium
Dr Philip Morton, WEEE Forum, Belgium
Jonathan Perry, Dell Corporation Ltd., United Kingdom
Patrick Wiedemann, Reverse Logistics Group, Germany

from 17.00 Farewell cocktail in the exhibition hall sponsored by



Technical Innovation 2

Session Chairman: Prof. Hsiao-Kang Ma, National Taiwan University, Taiwan

- "Reclamation of indium and gallium from flat panel displays and CIGS photovoltaic modules"
Alex Branderhorst, Coolrec Group, Netherlands
- "Latest technological development in automatic sorting for WEEE"
Michael Perl, Sesotec GmbH, Germany
- "Swiss recycling pioneer operates the first safe and fully automated toner recycling plant"
Thomas Vetsch, Immark Technology AG, Switzerland
- "NIR / VIS / Induction: A versatile signal combination for better E-waste sorting"
Jérémie Garbe, PELLENC ST, France

CONGRESS PROGRAM IERC 2016

FRIDAY, JANUARY 22, 2016

09.00 – 12.00 **Workshop** "ADR-compliant transport of lithium batteries from WEEE"

Plant tours

08.00 – 17.15 **Müller-Guttenbrunn, Metran and MBA Polymers, Amstetten/Kematen**

08.15 – 17.15 **Elektronik Altgeräte Recycling West GmbH (EAR), Pfaffenhofen
Tiroler Recycling GmbH & CoKG (TRG), Pfaffenhofen**

08.30 – 14.45 **Montanwerke Brixlegg AG, Brixlegg**

**Treat your old equipment
to a new beginning.**

We offer a professional recycling.



Saubermacher

protects environment and resources with environmentally friendly recycling over 20 years. Recycling is not an easy task, since recyclable materials and pollutants are often connected to each other. Therefore trust the recycling of electrical appliances to Saubermacher as a competent partner.

WANTED

IN THE WILD WILD WEST



Join us on Wednesday,
January 20, 2016 at
a fantastic networking
dinner in beautiful Salzburg.

Do not miss this perfect
opportunity to socialize
with your business partners
and register for this evening!



Meet friends
and business
partners
in a nice
atmosphere!

EXHIBITING AND ADVERTISING



The exhibition area provides your company with the perfect opportunity to reach key industry decision makers. Promote your products to all congress attendees. The fees are:

Booth 6 m² (2 m x 3 m) **EUR 3'650.-**

Booth 12 m² (3 m x 4 m) **EUR 4'990.-**

Poster presentation (wall rental) **from EUR 350.-**

Display board (0,85 m x 2 m) **from EUR 790.-**

Space is limited, so take your chance and book today!



LAYOUT EXHIBITION AS PER SEPTEMBER 25, 2015



EXHIBITORS

AS PER SEPTEMBER 25, 2015



PLANT TOUR

FRIDAY, JANUARY 22, 2016

MÜLLER-GUTTENBRUNN,
METRAN AND MBA POLYMERS



08.00	Departure by bus to Müller-Guttenbrunn Group
10.30	Arrival at Müller-Guttenbrunn Group
10.30 – 15.00	Visit of the shredder plant of Metall Recycling Mü-Gu Visit of the metal separation plant of Metran Visit of the plastic recycling plant of MBA Polymers
17.00*	Arrival at Salzburg Airport
17.15	Arrival at Salzburg Congress

The **Müller-Guttenbrunn Group** is the largest E-waste processor in Central and South Eastern Europe with an unprecedented recycling depth.

The **Müller-Guttenbrunn** facility in Amstetten de-pollutes the E-waste with the patented Smasher™, a new and specialized shredder with a design capacity of 80,000 MT's. The selective shredder recovers a high quality ferrous metal scrap with very little loss of copper and other non-ferrous metals in the ferrous fraction.

The shredder residues are transported to **Metran** to be further processed into a range of non-ferrous concentrates. Metran also creates a valuable plastics fraction, which is delivered to MBA Polymers for further processing. Even metals <1mm can thus be extracted and re-introduced into the recycling cycle.

MBA Polymers recovers high-quality post-consumer ABS, HIPS and PP resins for use in demanding applications. Premium grades are offered under the EvoSource™ brand and are either UL-HB recognized, impact modified and/or available in different colours – replacing virgin plastics and closing the loop. These post-consumer plastics reduce energy consumption by over 80–90% and protect the environment up to 4,8 tons CO2 emissions, compared to the production of one ton of “virgin” plastics from petrochemicals. The MBA Polymers plastics recycling facility covers approximately 20,000 m², with a processing capacity of some 50,000 tons per year with a workforce of 100 people.

www.mgg-recycling.com, www.mbapolymers.com

* No guarantee on arrival time due to traffic conditions.



WEEE recycling with unprecedented recycling depth



- Patented Smasher Technology for de-pollution
- Latest shredder and separation technologies
- Processing Shredder Residues
- Presence in Central and South-Eastern Europe

Müller-Guttenbrunn Group, Industriestrasse 12, A-3300 Amstetten, Austria
Tel: +43 7472 / 64 181, Fax: +43 7472 / 64 181 38, www.mgg-recycling.com, office@mgg-recycling.com



Responsibility starts with the raw material

Plastic rich
fractions from
durable goods ...



... to make
post-consumer
recycled
EvoSource™
plastics



MBA Polymers Austria Kunststoffverarbeitung GmbH, WiPark, 12. Strasse 8, A-3331 Kematen/Ybbs, Austria
Tel: +43 7476 77 488, Fax: +43 7476 77 488 44, www.mbapolymers.com, office@mba-polymers.at

PLANT TOUR

FRIDAY, JANUARY 22, 2016



ELEKTRONIK ALTGERÄTE RECYCLING (EAR), PFAFFENHOFEN
TIROLER RECYCLING GMBH & CO KG (TRG), PFAFFENHOFEN

08.15	Departure by bus to EAR
10.45	Arrival at EAR
10.45 – 11.45	Visit of the electronics recycling plant of EAR
12.00	Arrival at TRG
12.00 – 14.00	Visit of the Europe's most modern automated sorting system for light packaging of TRG
17.00*	Arrival at Salzburg Airport
17.15	Arrival at Salzburg Congress

The companies EAR and TRG are subsidiary firms of the mother company Höpferger GmbH & CoKG.

www.hoeppenger.at

* No guarantee on arrival time due to traffic conditions.

ear
elektronik
altgeräte
recycling
west gmbh

The company EAR has set up the Europe-wide most modern small electronic device recycling plant with a capacity of 17.000 annual tons.



The heart of the plant is the so-called Querstromzerspaner, which can be filled with mixed electric and electronic scrap, without having to prepare or disassemble the material before.



Therefore all resources like iron, copper, aluminium and plastics can be recycled meaningfully.



SORTING OF BEVERAGE CARTONS AND POLYMERS
THE BEST AVAILABLE TECHNOLOGY IN AUSTRIA



Tiroler Recycling GmbH & CoKG - A-6403 Pfaffenhofen - Gewerbeplatz 22

PLANT TOUR

FRIDAY, JANUARY 22, 2016

MONTANWERKE BRIXLEGG AG BRIXLEGG



08.30 Departure by bus to Montanwerke Brixlegg AG
10.30 Arrival at Montanwerke Brixlegg AG
10.30 – 12.30 **Visit of the copper smelter**
14.30* Arrival at Salzburg Airport
14.45 Arrival at Salzburg Congress

Montanwerke Brixlegg AG is Austria's only copper producer and has a history stretching back more than 500 years. Today Montanwerke is one of the leading secondary smelters in Europe.

Core business is recycling copper and other precious metals from scrap and in further steps process it into cathodes and billets. For these two highly pure copper products the total output is over 200'000 tons per year.

www.montanwerke-brixlegg.com

THE HIGH QUALITY STANDARD IS
RECOGNISED ALL OVER THE WORLD



Montanwerke Brixlegg AG is a secondary smelter and processes more than 150.000 tons of copper containing scrap. The products that result from this process provide the raw material for a wide range of application possibilities in various fields.

More information:
www.montanwerke-brixlegg.com



* No guarantee on arrival time due to traffic conditions.

Montanwerke Brixlegg AG
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WORKSHOP



ADR-compliant transport of lithium batteries from WEEE

Moderated by	Dr Henning Friege, N³ Nachhaltigkeitsberatung
Organized by	Die Rücknahmesysteme
Date	Friday, January 22, 2016
Time	09.00 – 12.00
Location	Mozart Room, Hotel Sheraton Salzburg
Price	EUR 190.– (incl. coffee break)

The carriage of lithium batteries is subject to special conditions in accordance with international dangerous goods transport regulations. Also waste electrical and electronic equipment (WEEE) can contain lithium batteries and may as such fall under the same restrictions.

In this respect different approaches can be observed in practice for collecting, packing and transporting WEEE with lithium batteries. The various discussions held at national and international level show that interpretation of regulatory requirements and the level of their implementation vary significantly from country to country. There is a strong need for clarification of and alignment on the demands concerning a safe and compliant collection and transport of lithium batteries from WEEE.

In this workshop participants will have the possibility to discuss the challenges of relevant ADR provisions that apply to the road transport of lithium batteries, in particular lithium batteries from WEEE. Expert speakers will disclose their views on reasonable safety measures and provide an insight into practical solutions established in the field. The aim is to share best practices and to foster the exchange of information on implemented processes for the collection of batteries from WEEE.

Agenda

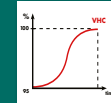
- ADR 2015 regulations for the transport of lithium batteries and cells
Sebastian Kross, Gemeinsames Rücknahmesystem Service GmbH
- Safety related issues
Claude Chanson, Recharge aisbl
- Introduction of a safety standard – experience from the field
Sebastian Kross, Gemeinsames Rücknahmesystem Service GmbH
- Recommendation for a safe and proper collection of batteries
Dr Henning Friege, N³ Nachhaltigkeitsberatung

The workshop will be held with a minimum of 8 participants.
To register, please contact ICM AG.

Participants will receive a certificate of attendance.



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Participants registering and paying **before November 30, 2015** will benefit from a reduced registration fee. The registration fee includes congress, entrance to the exhibition, proceedings and luncheons.

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REGISTRATION FEES

	before Nov. 30, 2015	after Nov. 30, 2015
Congress fee		
Fee for participants	EUR 1'590.–	EUR 1'690.–
Fee for speakers	EUR 990.–	EUR 1'090.–
Fee for students	EUR 690.–	EUR 790.–

Networking dinner (Jan. 20)	EUR 100.–	EUR 120.–
Networking dinner for spouse (Jan. 20)	EUR 120.–	EUR 150.–

Workshops		
ProSUM (Jan. 19)	EUR 70.–	EUR 90.–
ADR-compliant transport of Li batteries (Jan. 22)	EUR 190.–	EUR 250.–

Plant tours (Jan. 22)		
Höpperger GmbH (EAR & TRG)	EUR 50.–	EUR 70.–
Montanwerke Brixlegg AG	EUR 50.–	EUR 70.–
Müller-Guttenbrunn, Metran and MBA Polymers	EUR 50.–	EUR 70.–

All prices excl. 20% Austrian VAT

Congress registration on site EUR 100.– surcharge

Online registration

You may also register online at: www.icm.ch/ierc-2016

Additional proceedings

If you cannot attend the congress, you may purchase the proceedings at EUR 350.–. Participants will get the proceedings free of charge.

Payment

Payment should be made in EUR by bank transfer or by credit card. Wire payment to:

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IERC HONORARY AWARD WINNERS SINCE 2007



RON GARAN

Impact CoLab, Retired NASA Astronaut, USA

January 2015

Ron receives this award in recognition of his humanitarian spirit and work to improve our planet fostering collaborative efforts across global humanitarian organisations. He lived and worked in space for 178 days and has a unique perspective of our impact on the earth from space. He believes that appropriately designed and targeted social enterprise can solve many of the problems facing our world.



DR BERTRAND PICCARD

**Psychiatrist, Balloonist and Explorer
Initiator and Chairman of Solar Impulse Project, Switzerland**

January 2014

Bertrand receives this award in recognition of his pioneering spirit to go beyond today's human and technical limits to fly around the world without fuel and without pollution. His remarkable commitments to save energy, to demonstrate the importance of clean technologies, to place dreams and emotions create great impact also to the young generation.



JIM PUCKETT

Basel Action Network, USA

January 2013

Jim receives this award in recognition of his pioneering and breathless work to prevent the globalization of toxic wastes. The Steering Committee of IERC also honours his dedication to contribute comprehensive strategies for proper treatment of E-waste across the globe.



DR MIKE BIDDLE

Founder of MBA Polymers, Inc., USA

January 2012

Today, MBA recycles 1 million pounds of plastics waste a day! Mike receives this award in recognition of his powerful spirit and lifetime work to develop a genius, very low energy consuming process to recycle plastics waste in order to drive industry and society towards a better, cleaner and fair world.

MANFRED BECK

Recycling International, Netherlands

January 2011

Manfred receives this award in recognition of his lifetime work and editorial skills in promoting sustainability, inspiring entrepreneurs to invest in environmental technologies and businesses, in order to drive industry and society towards a better and cleaner world.



KARL-HEINZ FLORENZ

the Father of the WEEE Directive, European Parliament

January 2010

Karl-Heinz receives this award in recognition of his outstanding commitment, leadership and fighting for a sustainable world, which resulted in the creation of the most important regulation regarding Electronics Waste Recycling on the European continent.



DR MARCO BULETTI

Federal Office for the Environment, Switzerland

January 2009

Marco receives this award in recognition of his outstanding commitment and leadership which resulted in the creation of the Mobile Phone Partnership Initiative (MPPI).



PROF. DR IR. AB STEVELS

Philips Consumer Electronics, Netherlands

January 2008

Ab receives this award in recognition of his outstanding commitment to preserving our environment by developing and promoting efficient recycling technologies.



PROF. THEO LEHNER

Boliden Mineral AB, Sweden

January 2007

Theo receives this award in recognition of his outstanding commitment to preserve our environment by developing and promoting efficient recycling technologies.





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