

18th International Congress for Battery Recycling

(ICBR 2013)

**Dubrovnik, Croatia
11 - 13 September 2013**

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CONGRESS PROGRAM ICBR 2013

WEDNESDAY, SEPTEMBER 11, 2013

08.00 – 09.45 **Registration and welcome coffee in the exhibition area**

09.45 – 10.00 "Welcome and Introduction"
Prof. Bruno Scrosati, Chairman of the Steering Committee

10.00 – 12.00 **KEYNOTE SPEAKERS**

"The ex-post evaluation of five waste stream Directives"
Artemis Hatzihull, European Commission, DG Environment, Belgium

"Meeting the targets of the Battery Directive in France, with an outlook on strategic metals recycling"
Alain Liger, High Council for Economy, Industry, Energy and Technologies / COMES, France

"Material flow, hazardous substances control and safety issues of batteries in Japan"
Dr Atsushi Terazono, National Institute for Environmental Studies, Japan

"Key issues for the EU battery recycling industry"
Dr Alain Vassart, EBRA, Belgium

12.00 – 13.30 **Lunch**

Session 1: Battery collection
Session Chairman: Jill Ledger, SAFT, France

13.30 – 14.00 "Portable battery recycling in the UK – What's next?"
David Reynolds, BatteryBack Plc, United Kingdom

14.00 – 14.30 "French battery CRO's: Implementation of an eco-modulated 2013 price list"
Frédéric Hédouin, COREPILE, France

14.30 – 15.00 "Battery collection in Poland – Results of 2012, upcoming legal changes and forecast for 2016"
Michal Korozowicz, REBA Compliance Organization S.A., Poland

15.00 – 15.30 **Coffee break in the exhibition area**

15.30 – 17.00 **Panel Discussion: "Lithium battery safety: A global issue"**

Moderator:
Dr Jean-Pol Wiaux, RECHARGE, Belgium

Participants:
Imke May, Stiftung GRS Batterien, Germany
Benny Van den Steen, EUCOBAT, Belgium
Prof. Ulrich Krause, Genius Entwicklungsgesellschaft mbH, Academic Advisory Board, Germany
Johan Van Peperzeel, Van Peperzeel B.V., Netherlands

19.00 **Cocktail reception on the beach**

19.30 **Networking dinner on the beach**





CONGRESS PROGRAM ICBR 2013

THURSDAY, SEPTEMBER 12, 2013

08.00 – 09.00 Welcome coffee in the exhibition area

Session 2: International
Session Chairman: Carl E. Smith, Call2Recycle®, USA

- 09.00 – 09.30 "Saint Petersburg experience in the making of battery collection system for the first time in Russia"
Dmitry Krutoy, Committee for Nature Use, Environmental Protection and Ecological Safety (Government of Saint Petersburg), Russia
- 09.30 – 10.00 "Battery recycling for the automotive industry: An American OEM's perspective"
Renata Arsenault, Ford – Energy Storage & Materials Research, USA
- 10.00 – 10.30 "Update of rechargeable batteries collection & recycling activity and the latest survey for average age of batteries returned in Japan"
Mike Takao, Panasonic Corporation & Battery Association of Japan, Japan
- 10.30 – 11.00 Coffee break in the exhibition area

Session 3: Sustainability
Session Chairman: Dr Alain Vassart, EBRA, Belgium

- 11.00 – 11.30 "Substance restrictions – A Jungle of regulations"
Dr Beate Kummer, Kummer: Umweltkommunikation GmbH, Germany
- 11.30 – 12.00 "LCA results on the recycling of Li-Ion batteries from the e-mobility sector"
Dr Matthias Buchert, Öko-Institut e.V., Germany
- 12.00 – 12.30 "Sustainable e-mobility from a battery manufacturer perspective"
Clémence Siret and Béatrice Lacout, SAFT, France
- 12.30 – 14.00 Lunch

Session 4: Recycling technologies update I
Session Chairman: Andreas Krebs, Batrec Industrie AG, Switzerland

- 14.00 – 14.30 "Alkaline battery recycling and RMC's patented process"
Wayne Elliott, Raw Materials Company Inc., Canada
- 14.30 – 15.00 "A new way in the recycling of alkalimanganese batteries"
Ingo Götz, Redux Recycling GmbH, Germany
- 15.00 – 15.30 "Battery safety evaluation during recycling operations"
Delphine Tigréat, INERIS, France

Parallel Session 4: Certification and stewardship I, Session Chairman: Georgios Chrysos, Stiftung GRS Batterien, Germany

- "Process orientated audit of the battery recycling efficiency – The Nickel-based battery facility of Accurec"
Prof. Bernd Friedrich, RWTH Aachen University, Germany
- "A certification scheme for the end of life value chain actors: The example of the WEEELABEX"
Mario Vörös, WEEELABEX Organisation, Czech Republic
- "Battery stewardship in Australia: Establishing the foundations for growth"
Dr Helen Lewis, Australian Battery Recycling Initiative, Australia

15.30 – 16.00 Coffee break in the exhibition area

Session 5: Recycling technologies update II
Session Chairman: Andreas Krebs, Batrec Industrie AG, Switzerland

- 16.00 – 16.30 "Challenges for recycling advanced Li-ion batteries for EV with strategic metals recovery"
Prof. Farouk Tedjar and Guillaume Charpy, RECUPYL SAS, France
- 16.30 – 17.00 "Efficient and sustainable pyro-metallurgical recycling of spent batteries"
Thierry Claisse, VALDI, France

Parallel Session 5: Certification and stewardship II, Session Chairman: Georgios Chrysos, Stiftung GRS Batterien, Germany

- "Damaged, defective or waste batteries. New provisions for Lithium batteries transport in the UN model regulation"
Dr Marco Ottaviani, ANIE-CSI, Italy
- "Battery take back – Old legislation and new complexity"
Johanna Brucker, 1WEEE Services GmbH, Germany

17.00 Cocktail reception in the exhibition area

Additional Paper:

The Challenges of Lithium Ion Battery Recycling
 Dipl.-Ing. Astrid Aramberger & Dipl.-Ing. Dr. mont. Roland Pomerberger, AVAW,
 Montanuniversität Leoben Dipl.-Ing. Alexander Curtis, Saubermacher Dienstleistungs AG

