

Congress Program IARC 2023

Tuesday, June 20, 2023

14:00 – 18:00 Information exchange meeting PRO organisations

17:00 – 19:00 Pre-Registration

Wednesday, June 21, 2023

Exhibition of leading players in the Circular Economy industry

Car display TOYOTA & Test drives T  HONDA

08:00 – 09:00 Registration and welcome coffee in the exhibition area

09:00 – 09:15 Welcome and introduction

Olivier François, Chair of the Steering Committee

09:15 – 11:00 KEYNOTE SPEAKERS

“The big future of recycled steel”

Eric Niedziela, ArcelorMittal Europe

“THE FUTURE IS NEUTRAL: our primary resource is the car itself”

Jean-Philippe Bahuaud, Renault Group, France

11:00 – 11:30 Coffee break in the exhibition area

11:30 – 12:30 Panel Discussion 1:

Impact of the carbon footprint to the car, steel and recycling industry

Moderator: Roger Burri, Blubox Trading AG, Switzerland

Participants:

Olivier François, Galloo

Kris Van der Plas, LKQ Europe

Jan Bollen, ArcelorMittal Europe

Representative of the automotive industry

12:30 – 14:00 Lunch in the exhibition area

14:00 – 15:30 Session 1: Circular Economy – How to close the recycling loop

Session Chair: Catherine Lenaerts, Febelauto, Belgium

“Improving circularity for EoL vehicles”

Timm Lux, BCG (Boston Consulting Group), Germany

“Reuse, recycle and redesign vehicles”

David Holdcroft, EMR (European Metal Recycling), United Kingdom

“Europe’s raw materials challenge – Spotlight on ELV and its metals recycling”

Kamila Slupek, Eurometaux, Belgium

15:30 – 16:00 Coffee break in the exhibition area

16:00 – 17:00 Session 2: News from automotive recycling business in Asia

Session Chair: Julien Van Damme, JVD Consulting, Belgium

“Current best practice in automotive recycling in China”

Scott Newell, Newell Recycling Equipment, LLC / China Recycling Newell Equipment Ltd., USA / China

“Strategy for safe management, reuse and recycling of the spent fuel cell electric vehicle in Korea”

Jeong-soo Sohn, Korea Institute of Geoscience and Mineral Resources, Korea

19:00 Networking dinner

Thursday, June 22, 2023

Exhibition of leading players in the Circular Economy industry
Car display **TOYOTA** & Test drives **TESLA HONDA**

08:00 – 09:00 Welcome coffee in the exhibition area

09:00 – 10:30 **Session 3: The growing business of dismantling of vehicles**
Session Chair: Janet Kes, ARN Auto Recycling, Netherlands

“Sustainability: How LKQ is drawing from its heritage to bring sustainable growth into the European automotive aftermarket”

Varun Laroyia, LKQ Europe, Switzerland

“Open new perspectives for present car recyclers and car manufacturers. The market is changing – and not only because of electric”

Mattias Petterson, Autocirc, Sweden

“To which extent the mandatory removal of electrical and electronic equipment from vehicles makes ecological and economic sense”

Charles Marmy, Empa (Swiss Federal Lab. for Materials Science and Technology), Switzerland

10:30 – 11:00 Coffee break in the exhibition area

11:00 – 12:30 **Panel Discussion 2:**
Which consequences for industry & other stakeholders might evolve from the ELV Regulation?
Moderator: Willy Tomboy, Consultant, Belgium

Participants:

Jaco Huisman, EU Commission, Belgium

Silvia Vecchione, ACEA, Belgium

Paul Dietz, ARN Auto Recycling, Netherlands

Emmanuel Katrakis, EuRIC, Belgium

Julien Van Damme, JVD Consulting, Belgium

Clémence Liébert, PFA Automotive Platform, France

12:30 – 13:30 Lunch in the exhibition area

13:30 – 15:00 **Session 4: News and best available technologies**
Session Chair: Jan Bollen, ArcelorMittal Europe, Belgium

“Producing low copper shred for steel mills”

Darrell Milton, Eriez Manufacturing Corporate, USA

“Losses in end-of-life vehicles recovery chain and new technological solutions”

Lorenzo Gandini, Politecnico di Milano, Italy

“NEW XRF sorting solution for metal recycling to increase recovery rates”

Julian Tauterer, REDWAVE, Austria

“How to recycle fuel cell systems”

Sven Grieger, Fraunhofer IWKS / EARN, Germany

15:00 – 15:30 Coffee break in the exhibition area

15:30 – 17:00 **Session 5: Plastics recycling – dream or reality?**
Session Chair: Gulin Kuluay Isik, Toyota Motor Europe NV/SA, Belgium

“Enhancing mechanical plastic recyclate with unique plastic additives solutions”

Rainer Xalter and Marie-Laure Bertet, BASF SE, Germany

“Molecular recycling platforms enabling a shift towards the circular value chain for automotive parts”

Peter Roose, Eastman, Belgium

“Optimize the value of EoL vehicle plastics”

Frank Huijs, SABIC, Netherlands

17:00 – 17:15 Wrap-up / Closing Remarks

from 17:15 Farewell reception in the exhibition area

SIDE EVENTS

Friday, June 23, 2023

Workshops:

09:00 – 12:00

Workshop 1: The ELV Regulation - Going into the details

Moderator: Willy Tomboy, Consultant, Belgium

Contributors:

Jaco Huisman, EU Commission, Belgium (TBC)

Johannes Chatzis, tec4U Ingenieurgesellschaft mbH, Germany

Janet Kes, ARN Auto Recycling, Netherlands

Henk Jan Nix, EGARA, Netherlands

Georg Mehlhart, Mehlhart Consulting, Germany

Julien Van Damme, JVD Consulting, Belgium

The workshop "The ELV Regulation – Going into the details" is a unique opportunity for the participants to gain additional and detailed information concerning very specific key elements of the upcoming new ELV Regulation which might have a great impact on stakeholders directly involved: car manufacturers, importers, producer responsible organisations (PRO), vehicle dismantlers, shredders, material suppliers.

The main take-aways for the participants are exclusive access to experts' responses on a number of key issues based on the current state of the legislation at that date:

- **Scope** - To what extent will the possible extension of the scope – with heavy duty vehicles and motorcycles – impact their manufacturers and importers?
- **EPR** - To what extent will the Extended Producer Responsibilities (EPR) impact the activity of the key stakeholders mentioned above?
- **PRO** - What additional tasks will this require from the PRO?
- **ATF** - To what extent will the extended scope and EPR impact the activities of the Authorized Treatment Facilities (dismantlers), and the shredders, in view of the objectives regarding recycling content and the requirements for the re-use of certain metals?
- **E-vehicles** - What will the impact of e-mobility have on the work of ATF's and the qualifications of the workforce at the ATF's (technical skills, safety)?
- **IDIS** - To what extent will the overhaul of the International Dismantling Information System (IDIS) trigger additional workload for the vehicle manufacturers, and how will the user community benefit from these changes?
- **Other legislation** - To what extent will this new Regulation cross-cut with other new Regulations?

If you are a stakeholder involved directly or indirectly in any of the topics raised, then this workshop is more than worthwhile for you to attend, to actively participate in the discussion and get answers to your questions.

The workshop will only take place with a minimum of 8 participants.

Contributors:

Lee Butler, Glencore, Switzerland

Edvarts Emersons, Watt4ever, Belgium

Bertrand Schutz, Libattion AG, Switzerland

Miko Yuan, Cyclewell Technology, China

Andreas Krebs, FIREBOX Swiss AG, Switzerland

The workshop "Dismantle, Transport, Reuse & Recycle EV-Batteries" is a unique opportunity to gain invaluable insights and learn from leading experts in the field of electric vehicle batteries. Throughout the workshop, attendees will gain knowledge and skills related to the entire lifecycle of an EV battery.

Participants will learn about the key players and operators involved in the EV battery industry, as well as best practices for safe transportation and storage of batteries. Additionally, attendees will gain knowledge about how to repurpose used batteries for reuse and remanufacturing, as well as the latest advancements in recycling technology for EV batteries.

Outcomes & Learnings:

- **Who are the operators**
- **How to transport & store safely**
- **Reuse and repurposing**
- **Recycling technology**
- **Passport of batteries**

One of the key takeaways from the workshop is the importance of implementing a "passport" system for batteries. This system tracks a battery's life cycle and provides important information such as its manufacturing date, materials used, and disposal methods, ensuring greater transparency and accountability in the industry.

If you're involved in the electric vehicle industry, transportation industry, or any other field related to sustainable energy, this workshop is an essential event to attend. Gain the knowledge and skills necessary to stay ahead of the curve and network with like-minded professionals. Don't miss out on this opportunity to advance your career and contribute to a more sustainable future!

The workshop will only take place with a minimum of 8 participants.

SIDE EVENTS

Friday, June 23, 2023

Plant Tours:

09:00 – 14:45

Thévenaz-Leduc S.A., Ecublens, Switzerland



09:00 Departure by bus to Thévenaz-Leduc SA, Ecublens
10:00 Arrival at Thévenaz-Leduc SA, Ecublens
10:00 – 13:00 Visit of the metal scrap recycling plant
Visit of the shredder and shear plant of “Lindemann”
14:30 * Arrival at the airport Geneva
14:45 * Arrival at the Hotel InterContinental Geneva



* No guarantee of arrival time due to traffic conditions.
The plant tour will only take place with a minimum of 8 participants.

Today the BAREC Group is one of the largest metals, papers and plastics recycling group in Switzerland. In 1954 the family Balmelli acquired the metal scrap recycling company Thévenaz-Leduc SA, which has already been founded in 1865. Today, the BAREC Group (BALmelli RECYcling) owns 15 recycling companies in the western part of Switzerland with a total of 200 employees. Papirec SA and Alpabern AG are today's leaders for paper recycling in Switzerland, as well as Datarec SA for data destruction in cooperation with Securitas SA, as well as a Blubox plant for mercury containing waste.

The scrap iron, metals, cables and electronics waste are going to be recycled and traded by Thévenaz-Leduc SA, Abbé SA and Trottet SA. Thévenaz-Leduc SA is operating the only shredder and post shredder machineries in western Switzerland. The 2'000-horsepower shredder recycles 100'000t of light ferrous and non-ferrous metals annually.

www.barec.ch

08:00 – 15:30

MTB Recycling and Manufacturing, Trept, France



08:00 Departure by bus to MTB Recycling and Manufacturing, Trept, France
10:00 Arrival at MTB Recycling and Manufacturing, Trept, France
10:00 – 13:00 Visit of the MTB recycling plant and transfer to the MTB manufacturing workshop
15:15 * Arrival at the airport Geneva
15:30 * Arrival at the Hotel InterContinental Geneva

* No guarantee of arrival time due to traffic conditions.
This is a cross-boundary tour. Passport is required.
The plant tour will only take place with a minimum of 8 people.

MTB is a unique model in the world of recycling. As a French operator / manufacturer, we know customers' issues, we master technologies, we offer best solutions. Pioneer and innovative, we develop the future recycling processes: coming wastes and containerized, turnkey chopping solution. MTB is a committed company and claims its position as eco-responsible recycler. The development of our company is based on an ambitious plan and 3 key commitments: Zero waste, The Wow effect and Our children's future. MTB, More Than Business. Lunch will be offered during the tour.

www.mtb-recycling.fr