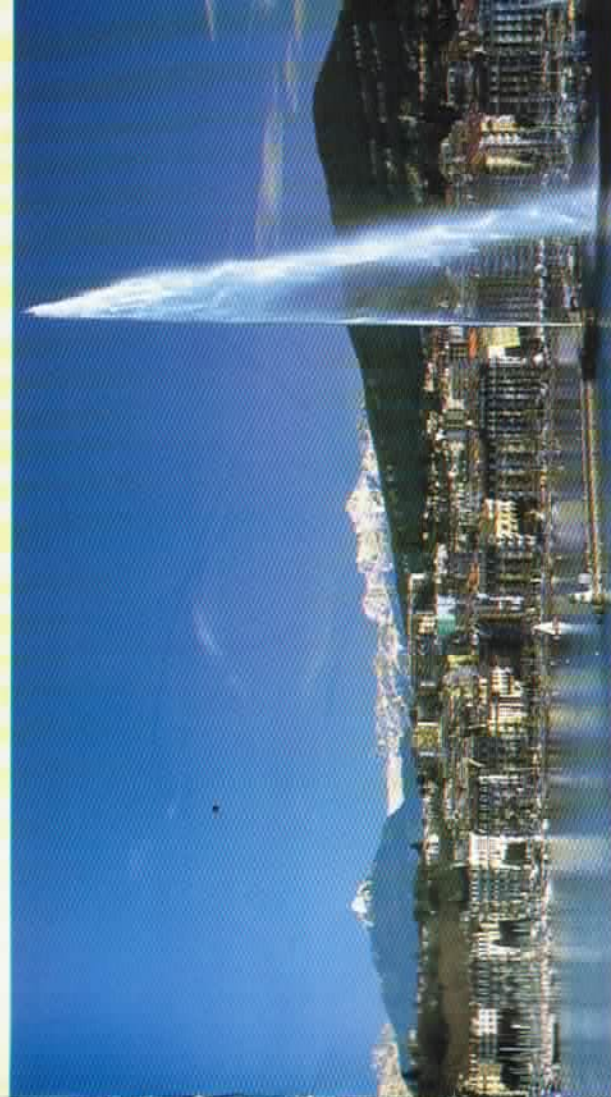


International Automobile Recycling Congress

March 12 – 14, 2003
Geneva, Switzerland



Patronage

The Police, Justice and Transport Department
of the Republic and Canton of Geneva, Switzerland

Federal Department of Transport, Communications and Energy, Switzerland



Foreword IARC 2003

On behalf of the Steering Committee, I have the honor to welcome you to the third conference.

The year 2002 came along with important news and decisions:

- On the legal side: several additional countries published their position about the ELV's European Directory.
- On the economical side: the ELV's depollution costs became more precise due to the operators' experiences gained with their recent practice. In order to launch and to feed the forthcoming discussions, I would like to present today's position of the Belgian Confederation of Recycling (COBEREC) about its ELV's treatment organization.

Two years of operation with the Belgian transcription of the EU Directory gives us some early conclusions about the real problems we are all going to face in the near future in Europe:

- The creation of certified depollution centers is a big investment and the dismantlers and shredders are reluctant to take such an investment decision.
- 15 depollution centers are now open in Belgium, but they treat only 20% of the ELV flow, which means about 60000 ELV's for 2002. Those 15 centers are designed for a total capacity of nearly 200000 ELV's per year. They are consequently in poor economic situation, missing too much feed.
- The export of ELV's to foreign countries is booming, in spite of the Belgium ELV's definition and the European prohibitions of waste export.

In order to solve these problems, we need the creation of an organized control (police) to enforce this new regulation.

The European governments must understand that the EU Directory implies immediate expenses, and that the thousands

of small companies acting in the field of ELV today are not voluntarily willing to support these expenses. They are not willing to change anything at all in their well-known and well-mastered business.

All this must be put to an end, because it highly affects the financial equilibrium of the companies already acting according to the law:

- The European Commission must give a precise definition of the ELV, common to everybody among the countries.
- The EU must act with strength in order to apply the existing regulations in the field of waste export. Naturally, we need to secure our business, but above all we need to secure a major source of raw material, which represents 40% of the European steel production.
- The national governments must set a fair control on their recycling operators.

This is the only possible way to guarantee a fair competition between the operators and to obtain the upgrading of our recycling industries for our federation's proper pride.

Much work remains to be done before we reach the ambitious aims of the ELV Directory.

To find a new equilibrium in this business means actions, and to act correctly, we need to discuss and exchange our experiences.

I wish you a fruitful conference!

Antoine VANDEPUTTE

President of the GALLOO Group
President of the Belgian Federation of the ferrous and non-ferrous recycling companies (FERM-VORM)
Deputy-Administrator of COBEREC (Belgian Confederation of Recycling)

International Steering Committee

consists of:



Genkichi Ando
Seinan Corporation
Director
Japan



Manfred Beck
Recycling International
Magazine
Editor
Netherlands



Manfred Fahrner
R-plus Recycling GmbH
Manager European Business
Germany



Olivier François
GALLOO SA
Environmental Manager
Belgium
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Germany



Jan Zimmerman
Auto Recycling Nederland
(ARN)
President
Netherlands



Location of the congress

The International Automobile Recycling Congress (IARC 2003) will be held in the **Hotel Intercontinental from 12 - 14 March 2003 in Geneva, Switzerland.**

Hotel Intercontinental*****

7-9, chemin du Petit-Saconnex

1211 Geneva

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E-mail: geneva@interconti.com

Internet: www.interconti.com



The Hotel Intercontinental is perfectly situated, a few minutes from the international organizations and only a few minutes drive from Geneva International Airport and the Palexpo.

For the participants of the congress a number of rooms are held at a **special rate** (€ 180.-) if you register before February 18, 2003. If you wish, you may also extend your stay at the same rate.

Who should attend ?

- Automobile manufacturers
- Automotive parts and materials suppliers
- Automobile importers and dealers
- Recycling and dismantling companies
- Shredding companies
- Steel industry
- Collectors of ELV
- Financing organizations for ELV recycling
- Environmental authorities
- Universities and research institutes
- Laboratories for material science
- Consultants

Organizer of the IARC

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Jeanette Duttlinger
Congress Organizer



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Congress Assistant

Travelling to Geneva

You can easily reach Geneva by plane, train and car. Geneva has an international airport offering direct scheduled flights to more than 70 international destinations. The airport is about 5 km from the city.



Congress Program IARC 2003

Wednesday, 12th March 2003

13.00 – 13.15

"Welcome and Introduction"

Roger Burri, Chairman of the Steering Committee

Session:

Legislation and Country Reports I

Session Chairman: **Roger Burri, Chairman of the Steering Committee**

13.15 – 13.30

Key-Note Speaker I

Norbert Prüm, Arcelor, Luxembourg

13.30 – 14.00

"Automobile manufacturers recycling activities in the U.S."

Gregory Dana, Alliance of Automobile Manufacturers, USA

14.00 – 14.30

"The value of recovered material and shredder residue of ELV's: Material specifications and the recycling market"

Prof. Alexander Stücheli, Zurich University of Applied Sciences, Switzerland

14.30 – 15.00

"Optimisation of the car recycling in the Netherlands"

Jan Zimmerman, ARN Auto Recycling Nederland, Netherlands
Prof. Wijnand L. Dalmijn, Delft University of Technology, Netherlands

15.00 – 15.30

Coffee Break

Session:

Legislation and Country Reports II

Session Chairman: **Manfred Beck, Recycling International Magazine, Netherlands**

15.30 – 16.00

"Problems with ASR and solutions for ASR"

Dr. Beate Kummer, Haase & Naundorf Umweltconsulting, Germany

16.00 – 16.30

"A monitoring report on vehicle recycling in North America"

Richard Paul, Automotive Recycling Consultant, USA

16.30 – 17.00

"Value drivers in the processing of ELV"

Bruno Hartmuth, General Motors Europe, Germany

17.00 – 17.30

"Finding a balance between dismantling and shredding"

Maira Magnani, Ford Research Center Aachen, Germany

19.30

Networking Dinner

Thursday, 13th March 2003

Session:

R & D and Recycling Processes

Session Chairman: **Julien van Damme, Honda Motor Europe Ltd, Belgium**

09.00 – 09.30

"Optimising the recycling of automotive catalysts"

Dr. Christian Hagelüken, OMG AG & Co. KG, Germany
Dr. Matthias Buchert, Öko-Institut e.V., Germany

09.30 – 10.00

"Mass balance in post-shredding technology: results of a trial based on the shredding of 201 ELV's – a joint work of GALLOO, PSA & Renault"

Olivier François, GALLOO, Belgium

10.00 – 10.30

"Responsible and profitable ELV vehicle processing in a competitive market driven environment"

Joseph Holsten, LKQ Corporation, USA

Coffee Break

Session:

Auto Shredder Residue (ASR) Treatment

Session Chairman: **Norbert Prüm, Arcelor, Luxembourg**

11.00 – 11.30

"Economic and financial set up of the Swiss ASR project"

Franz Christ, Métraux Services SA, Switzerland

"Energetic recovery of ASR is the best solution – a perspective of the German incineration plants"

Ferdinand Kleppmann, ITAD, Germany

12.00 – 12.30

"Development of a new recycling system for automobile shredder residue with Thermo-bath process"

Hiroha Hiroyuki, NKK Corporation, Japan

Lunch

"TwinRec – Bridging the gap of car recycling in Europe"

Dr. Adrian Selinger & Dr. Christian Steiner, EBARA Corp., Switzerland

"Achieving the 2015 ELV Directives with Salyp's turn-key ASR recovery plant"

Ivan Vanherpe, Salyp, Belgium

15.00 – 15.30

"Dry metal sorting technology: State of the art and future prospects"

Dr. Uwe Habich & Dr. Ulrich Kohaupt, Steinert Elektromagnetbau GmbH, Germany

Coffee Break

16.00 – 17.30

Key-Note Speaker II

Karl-Heinz Florenz, Member of the European Parliament,

Rapporteur on the ELV Directive

Round Table Discussion: "How to reach the 95% recycling quota?"
Chairman: **Manfred Beck, Recycling International Magazine, NL**

Friday, 14th March 2003

IT Solutions

Session Chairperson: **Dr. Siegfried Schäper, Audi AG, Germany**

08.30 – 09.00 "The calculation of recycling and recover rates according to Article 7.2 of the ELV Directive"

Knut Sander & Stephanie Schilling, Ökopol GmbH, Germany

09.00 – 09.30 "Recycling-business-model: assessment of cost and quota"
Prof. Ralf Holzhauser, Gelsenkirchen University of Applied Sciences, Germany

09.30 – 10.00 "Modelling the relationship between constructive choices in design and resource efficiency"

Prof. Markus A. Reuter, Delft University of Technology, Netherlands

Coffee Break

New Processes

Session Chairperson: **Richard Paul, Automotive Recycling Consultant, USA**

10.30 – 11.00 "Stabilisation of heavy metal from automobile grinding residues – Beneficial reuse of the residues"

Guy Depelsenaire, Solvay, Belgium

Dr. Ange Nzihou, Ecole des Mines d'Albi-Carmaux, France

11.00 – 11.30 "Mechanical recycling of dismantled car rear lights"

Norbert Fraunholz, Delft University of Technology, Netherlands

11.30 – 12.00 "Picking – an "old" process as an innovation in automobile recycling?"

Stefan Mutz, Aachen University of Technology, Germany

Eric van Looy, Separation Systems Engineering GmbH, Germany

12.00 – 12.30 "Pyrolysis & gasification – Increased potential for value recovery from ELV?"

Claudia Heermann, Juniper Consultancy Service Ltd., United Kingdom

Buffet Lunch

12.30 – 13.30

Excursion Program:

13.30 Departure by bus to the Geneva Motor Show

Networking Dinner

On Wednesday, March 12, a special networking dinner will be organized.

For participants, the networking dinner is included in the registration fee.

Accompanying persons can register to the networking dinner by means of the registration form.

Beautiful Geneva

Geneva is situated between the Alps and the Jura Mountains at the very south-west part of Switzerland. It has a very nice temperate climate.

The Canton with its 282 square km, with the lake "Leman" and the river Rhone, presents a marvellous surrounding to its visitors who can enjoy the alpine mountains in the background of the environing green countryside.

With its over 30 museums, its numerous art galleries as well as its theatres and its opera where famous international artists perform, Geneva is also an important cultural centre.

www.geneva-tourism.ch



73rd Geneva International Motor Show

The 73rd Geneva International Motor Show will take place from 6th to 16th March 2003 at Palexpo.

The Geneva Show is the only international motor fair recognised by the OICA (International Association of Motor Vehicle Manufacturers).

In the year 2002, a new visitor record was held. Over 700'000 persons visited the show. It has thus confirmed it's role as the world's greatest forum for the motor vehicle.

So don't miss our excursion to the Motor Show on Friday, 14 March 2003.

www.salon-auto.ch

Opening hours:

Monday, 10 March:	09.00 – 19.00
Tuesday, 11 March:	09.00 – 22.00
Wednesday, 12 March:	09.00 – 19.00
Thursday, 13 March:	09.00 – 19.00
Friday, 14 March:	09.00 – 22.00
Saturday, 15 March:	09.00 – 19.00
Sunday, 16 March:	09.00 – 19.00



Registration Fees

Registration for the congress should be made by means of the registration form. Participants registering and paying **before January 31, 2003** will benefit from a reduced registration fee. The registration fee includes networking dinner and meals.

Congress Fee	before January 31, 2003	after January 31, 2003
Participants	€ 1'200.-	€ 1'350.-
Speakers	€ 750.-	€ 850.-
Students	€ 490.-	€ 540.-
Visit of the International Motor-Show	€ 25.-	€ 30.-
Networking dinner for accompanying persons	€ 100.-	€ 100.-

All prices excluding VAT of 7.6%

Additional Proceedings

If it is not possible for you to attend the congress, you can purchase the complete proceedings at EURO 340.-. 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:

Bank: Neue Aargauer Bank, 5300 Turgi, Switzerland
 Beneficiary: ICM AG
 Account no.: 447941-72, Swift code: CRESCHZZ 80A in favour of: AHHBCH 22
 Clearing: 5885
 Remark: International Automobile Recycling Congress

Exhibition

A special exhibition will be organized for companies wishing to display their products or advertising materials.

The fee for a typical exhibition stand (1.5 m x 3 m) is EURO 3'000.- for the full time of the conference.

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