



SusRec & Green Electronics 05

June 20 - 22, 2005
Prague, Czech Republic



SusRec'05

International Conference on
Sustainable Recycling Technologies



Green Electronics'05

International Workshop on the
Implementation of the WEEE Directive

June 20 to 22, 2005

Prague, Czech Republic (CZ)

*Prague Conference Center
5 kvetna 65, 140 21 Prague 4, Czech Republic*



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The International Conference on Sustainable Recycling Technologies, SusRec'05, and the International Workshop on the Implementation of the WEEE Directive, Green Electronics 05, are two events being held in the frame of a 3 days joint meeting on recycling in the European Union from 20 to 22 June 2005 in Prague, Czech Republic.

What is SusRec'05

The International Conference on Sustainable Recycling Technologies, SusRec'05 aims at establishing an information exchange forum about the state-of-the-art and the future trends in recycling in Europe. In the frame of this forum, present and future of Recycling in Europe will be analysed, focussing mainly on legislation, recycling technologies, status of the industry and research and the use of information technology.

The conference is structured into two days sessions, with the presence of relevant authorities and recognised experts from industry, research centres and institutional representatives at national and European level. In the agenda of the DAY 1, the vision of recycling of several waste streams in 2010 will be analysed, considering the role of legislation as driving force for promoting recycling practices and the implications of the Directives recently enforced for specific waste streams.

On the other hand, the EU funded (under GROWTH Programme of the 5th FP) *Virtual European Recycling Centre* (VERC) will be presented as an initiative attempting to promote education, training and exchange and dissemination of information dealing with recycling, using the most recent advances in Information and Communication Technologies. The objectives of VERC include also serving as a reference point to facilitate the contact between industries (SME's) and researchers for an easier transfer of research results into industrial applications and as the vehicle to enhance a better co-ordination of R&D efforts and expenditure related to recycling in Europe, offering a space for discussion and for showing their positions to the different recycling agents and decision makers during the formulation of future European waste strategies and policies.

The DAY 2 programme is arranged into several parallel sessions focused on WEEE, ELV, Packaging, Plastics, Tyres, C&D Waste and a wrap-up session and round table for discussion on main conclusions of the individual special sessions and the perspectives of recycling in Europe.

The goal of the International Conference will be:

- To give an update on the status of the state of the art in recycling from the points of view of manufacturers and recyclers.
- To give an update on the status of the implementation of the WEEE, Tyres, Packaging, Plastics recycling, ELV and C&D waste directives.
- To compare state-of-the-art technologies in EU25 and to generate synergies.
- To networking and to create new research and developments programmes.

Intended Audience

SusRec'05 is of great interest for recycling industries, administrative bodies, research and development providers, and environmental engineering and consultancy firms. The focus is on the use of information in the recycling business and state of recycling technologies. The conference is a new frame of reference for the consolidation and definition of strategies for recycling industry

What is Green Electronics'05

Why should you attend?

The production of electrical and electronic equipment is one of **the fastest growing domains** of manufacturing industry in the world. Both technological innovation and market expansion continue to accelerate the replacement process. New applications of electrical and electronic equipment are increasing significantly. There is hardly any part of life where electrical and electronic equipment are not used. This development leads to an important increase in waste electrical and electronic equipment (WEEE).

Therefore the European Parliament has passed a **WEEE Directive** on February 13, 2003, which has to be implemented into the 25 national EU member states' legislations until August 13, 2004. One of the main objectives of the present initiative is to increase the recycling of WEEE in order to preserve resources and disposal capacities, in particular landfill. On August 13, 2005 in most of the EU member states the WEEE Implementation goes live by starting the collection of WEEE under the new directive.

On the first day you will learn:

- the latest news on the different national Implementations of the **EU legislation (especially in the new member states in Central and Eastern Europe)**,
- possible ways on **how you can fulfil the national requirements as a producer** and
- an **overview of proposed and existing collective systems** in the individual countries.

On the second day you will learn:

- the **state-of-the-art in collection logistics**,
- different **re-use, recycling and recovery possibilities** of products (white goods, consumer electronics, IT products) as well as components,
- a **comparison between European and national approaches** to fulfil the producer responsibility,
- the future of the electronics recycling industry facing new technologies (e.g. RFID),
- best practice examples in ecodesign of electr(on)ic products and
- what will be the state-of-the-art technology in the electronics industry innovation system.

Experts from leading companies and research organisations who are participating to the European Union (Growth) Thematic Network "**ECOLIFE II** – ECO-efficient LIFE cycle Technologies. From Products to Service Systems", to the EUREKA umbrella project "**CARE Electronics** – Comprehensive Approach for the Recycling and Eco-efficiency of Electronics" and to "**CONCEERN** – CONex Central European Electr(on)ics Recycling Network" are looking forward to share their views on the State-of-the-Art and future perspectives in sustainability with you.

See you in Prague!

Bernd Kopacek & Edorta Larrauri



SusRec '05

International Conference on Sustainable Recycling Technologies

Sunday, June 19, 2005:

| | |
|-------------|--|
| 19.00-23.00 | <p style="text-align: center;">Welcome BBQ in the Garden (if weather permits) of Hotel Holiday Inn Prague Conference Center</p> |
|-------------|--|

Monday, June 20, 2005:

| | |
|-------------|--|
| 10.30-12.30 | General political introduction speeches from Czech Republic The Future of Packaging Recycling, B. Merckx, EUPR Plastics Recycling in 2010, N. Mayne, <i>PlasticsEurope</i> |
| 12.30-14.00 | Lunch Break |
| 14.00-16.00 | Recycling of Construction & Demolition Waste in the Future, A. Güell, GERD The Future of Electronics Recycling, J. Scheijgrond, EICTA, NL (invited) Tyre Recycling in 2010, V. Schulman, ETRA How to fulfil the ELV directive cost effective in thinly populated areas, R. Bergström, STENA Gotthard, SE |
| 16.00-16.30 | Coffee Break |
| 16.30-18.00 | VERC Workshop |
| | Introduction to the Virtual European Recycling Conference – VERC, E. Larrauri/C. Delgado, Gaiker, ES How can you use the VERC Information Center, M. Bottlinger, UCB, DE (invited) What other Services can you expect from VERC in the future, P. Picot, IXAS, FR |
| 20.00-23.00 | Dinner at “Plzenska Restaurace v Obecni Dome” |

Tuesday, June 21, 2005:

| | | | | |
|---------------|---|---|--|--|
| 09.00 – 10.30 | Special Session on | | | |
| | | Packaging | Plastics Recycling | Construction & Demolition Waste |
| | Moderator | B. Merckx, EUPR | N. Mayne, PlasticsEurope | A. Güell, GERD |
| 09.00 – 09.30 | State-of-the-art. | A. Emons, PRO EUROPE | E. Larrauri, GAIKER, ES | P. Nielsen, VITO, BE |
| 09.30 – 10.00 | Original Manufacturer Vision | V. Volek, SYBA Packaging Association | (N/N) Plastic Industry Association | B. Trinius (invited) |
| 10.00 – 10.30 | Recycling Industry Vision | P. Sundt, EPRO | H. De Feraudy, Galloo Plastics (invited) | E. Fernández, URBASER, ES |
| 10.30-11.00 | Coffee Break | | | |
| 11.00-12.30 | Special Session on | | | |
| | | WEEE | TYRES | ELV |
| | Moderator | J. Scheijgrond, EICTA (invited) | V. Schulman, ETRA | P. Picot, IXAS, FR |
| 11.00 – 11.30 | State-of-the-art. | E. Garamvölgyi, Bay Zoltan Foundation, HU | T. Arsems, TNO (invited) | W. L. Dalmijn, Delft University of Technology, |
| 11.30 – 12.00 | Original Manufacturer Vision | W. Oppermann, Matsushita Europe, DE | E. Kreipe, CONTINENTAL | S. Schäper, AUDI, DE |
| 12.00 – 12.30 | Recycling Industry Vision | P. Oscar, STENA Technoworld, SE | (N/N) Rubber Recycler | M. Kindelan, Sigrauto |
| 12.30-14.00 | Lunch Break | | | |
| 14.00-15.30 | Wrap-up Session (Reports from individual Special Sessions) & Panel Discussion on the future of Recycling | | | |
| | Moderator: T. Gutwinski, Gutwinski Umweltmanagement, AT | | | |
| | Participants: | | | |
| | A. Guell, GERD | | | |
| | N. Mayne, PlasticsEurope | | | |
| | B. Merckx, EUPR | | | |
| | P. Picot, IXAS | | | |
| | J. Scheijgrond, EICTA (invited) | | | |
| | V. Schulman, ETRA | | | |
| 15.30-16.00 | Coffee Break & End of SusRec'05 Conference | | | |



Green Electronics '05

International Workshop on the Implementation of the WEEE Directive

Tuesday, June 21, 2005

- 16.00 Introduction to the EU Directives on WEEE and their Implementation in EU15 (L. Scheidt, Vienna University of Technology, AT)
- 16.30 Status of Implementation of the WEEE Directive in Poland (M. Weglarz, Ministry for European Affairs, PL)
- 16.45 Status of Implementation of the WEEE Directive in Hungary (J. Kelemen, Env. Ministry, HU)
- 17.00 Status of Implementation of the WEEE Directive in the Czech Republic (M. Grunerova, Ministry of Environment, CZ)
- 17.15 Status of Implementation of the WEEE Directive in the Slovak Republic (A. Dobrocsyova, Ministry of Environment, SK)
- 17.30 Status of Implementation of the WEEE Directive in the Baltic States (L. Sleinotaite-Budriene, Inst. of Environmental Engineering, LT)
- 17.45 Questions & Discussion
- 18.30 City tour and Boat trip (for participants of SusRec'05 and Green Electronics'05)**

Wednesday, June 22, 2005

- 08.30 State-of-the-art of Collection Logistics (G. Eckerth, Interseroh, DE)
- 09.00 State-of-the-art in processing cooling appliances and white goods (J. Visser/R. Cramer, Coolrec, NL)
- 09.30 State-of-the-art of dismantling and processing ICT and brown goods (G. Fröhlich, Electrocyling, DE)
- 10.00 State-of-the-art of dismantling and processing TV-sets and computer monitors (G. O'Shea, Indumetal Recycling, ES)
- 10.30 Coffee Break
- 11.00 State-of-the-art in identification, sorting and recycling of plastics (R. Miguel, GAIKER, ES)
- 11.20 Plastics Recovery and Recycling in front of the WEEE Directive (I. Sartorius, *PlasticsEurope*, DE)
- 11.40 Practical Experiences in WEEE Implementation on the example of mobile phones (M. Talvo, Nokia, FI)
- 12.00 Re-use of products and components in ICT equipment (B. Kopacek, Ecotronics, AT)
- 12.30 Questions & Discussion
- 13.00 Lunch
- 14.00 ERP - European Recycling Platform (K. Hieronymi, HP, DE)
- 14.15 EcologyNet Europe (T. Dietershagen, Matsushita Europe, DE)
- 14.30 Experiences from established collective WEEE take-back systems in Europe (F. Geerts, Recupel & WEEE Forum, BE)
- 14.45 Example for a new collective system from Eastern Europe (Z. Toth, Electr-Coord, HU)
- 15.00 Questions & Discussion
- 15.30 Coffee Break
- 16.00 The way to the Recycling Factory of the Future (B. Kopacek, SAT, AT)
- 16.20 State-of-the-Art of Technology in the Electronics Industry Innovation System. Dialogue, Strategies and Tools towards Sustainable Development incl. case studies showing the best practice in Eco-design (J. Hafkesbrink, ARÖW, DE)
- 17.00 Questions & Discussion
- 17.30 End

Fees in EURO (excl. 20% VAT)

| | SusRec Conference | Green Electronics | SusRec Conference & Green Electronics |
|--|-------------------|-------------------|---------------------------------------|
| Early Registration Before May 15, 2005 | 300 | 200 | 450 |
| Registration After May 15, 2005 | 350 | 250 | 550 |

The Registration Fee includes workshop material, coffee breaks, lunches as well as evening events (as stated in the programme)

Registration Deadline June 5, 2005

Organised by:



International (S)CARE Electronics Office
Austrian Society for Systems Engineering and Automation
A-1140 Vienna, Albert Schweitzer-Gasse 11

Phone: +43-1-786 46 03

Fax: +43-1-786 46 03-99

Email: info@care-electronics.net

Homepage: www.care-electronics.net



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Email: verc@gaiker.es

Homepage: www.gaiker.es

Supported by:



VERC Virtual European Recycling Centre
For more information please visit <http://www.verc.net>



CONCEERN

CONCEERN – CONex Central European Electr(on)ics Recycling Network
For more information please visit <http://www.ihr.tuwien.ac.at/sat>

bm:bwk



The GROWTH Thematic Network ECOLIFE II
For more information please visit
<http://www.ihr.tuwien.ac.at/sat/base/EcolifeII/index.htm>



EUREKA Umbrella CARE Electronics
For more information, please visit <http://www.care-electronics.net>





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Please fill in and FAX to

+43/1-786 46 03-99

Name, First Name

Company

Street Address

ZIP / City

Country / State

Phone

Fax

Email Address

I will attend

| SusRec Conference | |
|--------------------------|--|
| <input type="checkbox"/> | the Welcome Party on Sunday, June 19, 2005 |
| <input type="checkbox"/> | the Conference on Monday, June 20, 2005 |
| <input type="checkbox"/> | the Evening event on Monday, June 20, 2005 |
| <input type="checkbox"/> | the Conference on Tuesday, June 21, 2005 |
| <input type="checkbox"/> | the Boat trip on Tuesday, June 21, 2005 |

| Green Electronics Workshop | |
|----------------------------|--|
| <input type="checkbox"/> | the Workshop on Tuesday, June 21, 2005 |
| <input type="checkbox"/> | the Boat trip on Tuesday, June 21, 2005 |
| <input type="checkbox"/> | the Workshop on Wednesday, June 22, 2005 |
| <input type="checkbox"/> | |
| <input type="checkbox"/> | |

Fees in EURO (excl. 20% VAT)

| | SusRec Conference | Green Electronics | SusRec Conference & Green Electronics |
|---|-------------------|-------------------|---------------------------------------|
| Early Registration Before May 15, 2005 | 300 | 200 | 450 |
| Registration After May 15, 2005 | 350 | 250 | 550 |

The Registration Fee includes workshop material, coffee breaks, lunches as well as evening events (as stated in the programme)

Registration deadline: June 5, 2005

• Method of Payment

CREDIT CARD

VISA

Master Card / Eurocard

Card Number _____ Good thru _____ CVC Code _____

Name as it appears on Credit Card _____

Authorized Signature _____

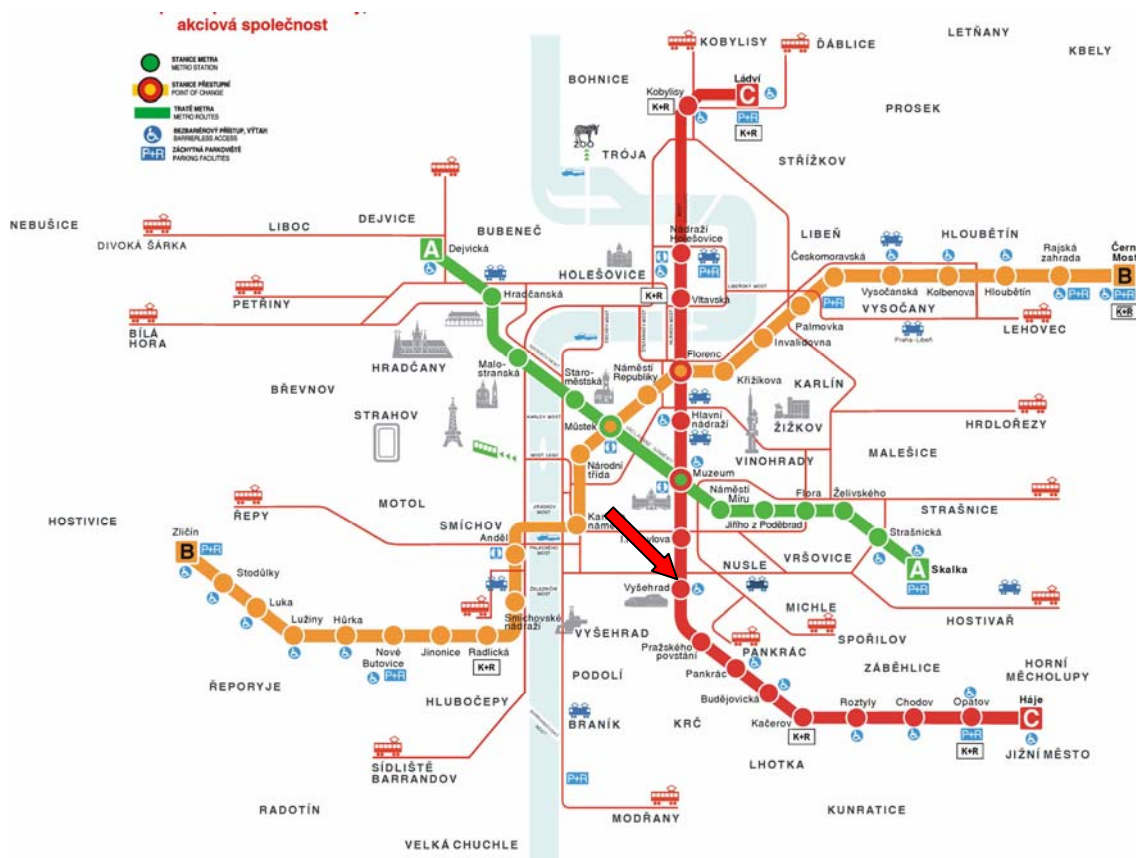
OR

Please transfer the money to Account number: IBAN AT8916300000128033173, BIC BTVAAT22, Bank: Bank für Tirol und Vorarlberg, Region Wien Naschmarkt, A-1060 Vienna, Linke Wienzeile 8. Account Holder: Ecotronics GmbH and **show your receipt of transfer at the registration desk!**

Accommodation

| Name and Address | Price single room | Price double room | Available rooms | Special Price guaranteed until: |
|---|-------------------|-------------------|-----------------|---------------------------------|
| Holiday Inn Prague Congress Centre**** Conference Hotel Na Pankráci 15 / 1684 140 21 Praha 4 Czech Republic tel: +420 296 895 000 fax: +420 296 895 010 E-mail: main@holidayinn.cz | 125 | 145 | 150 | 13.05.2005 |

Room rates include Breakfast. To get the special rate please use the included booking form from Hotel Holiday Inn



For cheaper rooms please visit the official Webpage of Prague:

<http://www.pis.cz>



PRAGUE CONGRESS CENTRE

SusRec'05 & Green Electronics'05

20.6.-22.6.05

Hotel Reservation Form

Please fax or mail this form directly to the hotel.

| | | | |
|---|---------------|-----------------|------------------------|
| Family Name: | _____ | | |
| First Name: | _____ | | |
| Address: | _____ | | |
| City: | _____ | State: | _____ |
| Telephone: | _____ | Fax: | _____ |
| Passport No: | _____ | Exp date: | _____ |
| | | Place of issue: | _____ |
| Accommodations | | | |
| Please reserve the following accommodation: | | | |
| _____ Single at EUR 125 | Arrival date: | _____ | Departure date : _____ |
| _____ Double at EUR 145 | Arrival date: | _____ | Departure date : _____ |
| Rate is per room/night, breakfast incl.VAT 5% excl. | | | |
| Smoking / Non Smoking | | | |

OTHER REQUESTS :

| | | | | |
|--|-------|------------------|-------------|-------------|
| Card name (Please circle one): | AMEX | VISA | MASTER CARD | DINERS CLUB |
| Number: | _____ | Expiration Date: | _____ | |
| Signature: | _____ | | | |
| The reservation must be guaranteed by credit card. The hotel is authorized to use the above-mentioned credit card for pre-authorisation in amount of first night as a guarantee. The hotel is authorized to charge credit card in case of late cancellation as per following conditions: | | | | |
| Room cancelled within 35- 14 days before arrival - 1 night cancellation fee applies | | | | |
| Room cancelled within 14- 2 days before arrival - 2 night cancellation fee applies | | | | |
| Room cancelled later than 2 days before arrival or in case of No show – whole stay cancellation fee applies | | | | |

Please fax/send this completed form back to the hotel before May 13th

The hotel might be sold out during the time of your event. We strongly recommend that you make your reservation very soon to space availability.

| | | | |
|-----------------------------------|---|----------------------|-----------------------------|
| Attention: | Holiday Inn Prague Congress Centre 140 00 Prague 4 Czech Republic | Tel No: | 00420 2 6117 5001 |
| | | Fax No: | 00420 2 6117 5010 |
| | | Web: | www.holidayinn.cz |
| | | Email : | radka.valkova@holidayinn.cz |
| Hotel Confirmation Number: | | Confirmed by: | |