

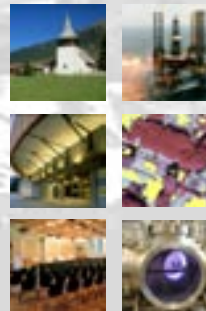
Announcement



R'07 World Congress

Recovery of Materials and Energy for Resource Efficiency

September 3 – 5, 2007, Davos, Switzerland



Global economic growth under the condition of limited raw material and energy resources requires technological and institutional innovations for the materials life cycle. High recovery rates of materials from pre- and post-consumer wastes, their optimal re-integration into various industrial production chains and high energy efficiency in all phases of the life cycle are prerequisites for sustainable development.

The R'07 World Congress is the 8th event in the bi-annual R' World Congress series, which started in 1993. Contributions from emerging economies are particularly welcome. Congress topics include, but are not limited to:

Technology Development

- Materials and Energy Efficiency in Process Engineering
- Materials Recycling and Re-Integration in Manufacturing Industry
- Materials and Energy Recovery from Post-consumer Waste
- Separation Technologies and their Energy Efficiency

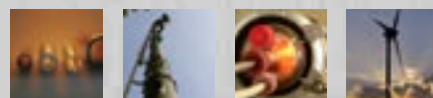
- Input/Output Control and Secondary Materials Quality Assurance
- Safe and Environmentally Sound Disposal

Closed-loop Economy

- Design for Recycling, Product-Service Systems, Dematerialization
- Secondary Materials and their Markets
- Supply Chains and Transport Demand, Waste Collection Logistics
- Resource Statistics, Material Flow Analysis, Information Systems
- Life Cycle Assessment, Modeling, Simulation

Political and Legal Frameworks

- Recycling Schemes and Incentive Structures
- Urban Development, Site Selection, Industrial Networks
- International Trade Policy and Material Flows
- The Social Compatibility of Recycling Systems
- Training and Education for Saving Resources



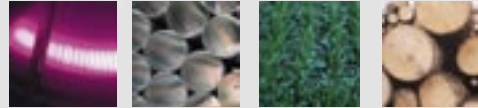


The R'07 World Congress addresses experts from science and engineering, from supply and recycling industries, from public authorities and international organizations in order to stimulate closer cooperation of the various disciplines and stakeholders across the materials life cycle. It aims to improve material and energy efficiencies in industry, including energy supply, cement and building materials, metallurgical, chemical, glass, pulp and paper, machinery, the automobile and electronic industries as well as activities of collection, sorting, further treatment and final disposal of post-consumer material. Issues of environmental protection will be addressed where they are related to improving materials and energy efficiency and minimizing disposal, including the integration of renewable energy and biomass into the production chain.

Sustainable development requires a substantial reduction of the life-cycle-wide resource demand per consumed service unit (dematerialization). Therefore, optimal solutions for the trade-off between closing material loops and saving energy for processing and transport have to be found. This may involve integrated resource management and improved information processing, as well as innovation at the level of technological processes, products, product-service systems, and institutional frameworks.

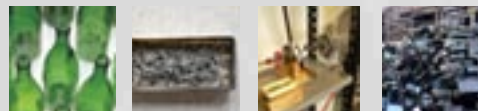
Information for Contributors:

Contributions are welcome as paper or poster presentations. Cross-cutting contributions integrating two or more topics from the list above are particularly welcome. A detailed call for papers will be published in June 2006 at www.R07.org.



Organization:

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Conference venue:

- Davos, Switzerland,
Conference Centre of the World Economic Forum
www.davos.ch



SATW

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Académie suisse des sciences techniques
Accademia svizzera delle scienze tecniche
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Materials Science & Technology