

## AUSTRIA RECYCLING - LIST of PROJECTS

### Research Projects

Basic research and feasibility studies have been done on the subjects of waste prevention, the re-utilization goods and recycling, the development of logistical systems focussing material, information and financial flow, pilot projects, cooperative efforts in the field of environmental legislation, analysis of the potential for collection of used goods and implementation plans for re-distribution logistic systems.

- Waste-Prevention and Reduction in privat households – pilotproject in two city-quarters of Bregenz and Hard by testing strategies of sharing, reusing, repairing goods. Reverse-Logistics as key-instrument to support these strategies and product-service-systems to foster the competitiveness of regional and local enterprises, 2/2004-12/2005  
*Commissioned by:* Municipality of Bregenz, Ministry of the environment
- Reprocessing – as a tool towards a loop economy of sustainability, 2004  
*Commissioned by:* BMVIT – Federal Ministry for Transport, Innovation and Technology
- KRATEX 03 – Draft of new waste-, prevention- and recycling-strategy of the European Commission and the new Road-Pricing-system in Austria: Impacts of these framework-conditions on sustainable recycling-and reusing-solutions, 2003  
*Commissioned by:* BMWA – Federal Ministry for Economics Labour, 1010 Vienna
- Evaluation of the Ecodesign-AWARD, Vienna: Design for Environment and its requirements for the Consumers' behaviour to to tap the full eco-efficiency-potential of awarded solutions, conclusions towards an Integrated Product-Policy (IPP), 2002-2004  
*Commissioned by:* BMWA – Federal Ministry for Economics Labour, 1010 Vienna  
OeNB - Oesterreichische Nationalbank AG, 1090 Vienna
- WWW – White goods in Vienna, the contribution of re-usable transport packaging of white goods on waste reduction, 2003  
*Commissioned by:* Stadt Wien Abfallvermeidungswettbewerb
- Enviro Maroc 2001, scientific and management-support in the phase of preparation for the environmental conference linked to the technology fair, Eschborn/Rabat/Casablanca, 2001  
*Commissioned by:* GTZ – Gesellschaft für Technische Zusammenarbeit
- Gratwanderungen, cultural exchange project, Nepal/ Austria. ARECON's Topics: Waste-Management, Sustainability and National Parks – preparatory work for the year 2002 as "UN-Year of Mountains and Ecotourism", 2001  
*Sponsored by:* Federal Ministry of Foreign Affairs, Österreichischer Entwicklungsdienst, Österreichischer Alpenverein
- Cultural Factors of the competitiveness of sustainable solutions – Research study based on six case studies in cooperation with the Product Life Institute, Genf 2000-2001  
*Commissioned by:* State government of Styria  
Federal Ministry of Transport, Infrastructure and Technology

- NIUR – Sustainable and innovative development of businesses and regions, professional and didactical support for the conception of a Curriculum for Management and Leadership for the region of Hessen, Germany 2000  
*Commissioned by:* Institute for Technology Impact and Innovation Research, University of Kassel
- Deregulation in waste management frameworks to foster the competitiveness of recycling industries and reutilisation strategies (several in parts)  
*Commissioned by:* Federal Ministry for Economic Affairs  
2001: Resource Efficiency – optimizing conditions towards a sustainable development  
2000: Recycling as tool for the ecological sustainability  
1999: European Recycling Forum, documentation, final report and comments as “National Expert”  
1998: Quality Standards as tools for the definition ‘waste’ – ‘non waste’  
1997: The Waste Definition in Austria, the European Union and the OECD
- The Pre-Collection of Waste and Recyclables in private households – space, instruments and socio-economic factors, 1996-2000  
*Sponsored by* Federal Ministry for the Environment, Youth and Family  
Federal Ministry for Economic Affairs  
“Jubiläumsfonds” of the Austrian National Bank
- The Space for Pre-Collection in private households, Pretest preliminary study and household survey, method test of and prospects for waste pre-collection in households, 1995/96  
*Commissioned by:* The ministry for health and consumer security  
Federal Chamber of Labor
- ÖkoLot-95 u. 97 – Analysis of the Environmental Management Situation in Austrian Businesses, Trends in the development of internal corporate environmental measures and certification, 1997  
AR Internal Study
- Costs of Waste Management in Austria; in cooperation with “Technisches Büro Hauer”, 1995  
*Commissioned by:* Federal Ministry for the Environment, Youth and the Family  
Federal Economic Chamber
- PEVO Study, Preliminary investigation and basic research into the implementation of paper collection and recycling regulations, 1995  
*Commissioned by:* SCA Laakirchen AG  
NORSKE SKOG Bruck AG  
Steyrermühl Papierfabrik und Verlags AG
- Reverse Logistics, research study concerning the optimization of multiple-use systems, 1994  
*Commissioned by:* Häusle & Hofer GmbH & Co KG, Vorarlberg
- SP 20, Pilot for the collection of used packaging from SME in the 20<sup>th</sup> district of Vienna, in cooperation with the Austrian Institute for Packaging and the “Büro Dr. Vogel, 1993/94  
*Commissioned by:* The Viennese Federal Economic Chamber
- Processed Packaging, feasibility for a separate collection system of processed/coated packaging material, 1994  
*Commissioned by:* Paper Packaging Recycling Organization GmbH (ARO)

- Paper Collection in South Tyrol, Concept of Reorganization, Intensification and Further Development of Paper Recycling, 1993  
*Commissioned by:* Athesia Druck GmbH, 39100 Bozen
- Market Trends of Waste Paper Prices from 1992-1995, Analysis of the medium-term and recognizable price and market trends for a leading waste paper exchange, 1996  
*Commissioned by:* The City of Steyr
- Paper and other Material Recycling in Hungary, Studies and plans for the implementation and management of a waste material collection program (facility?) in Hungary, 1993-96  
*Commissioned by:* Austria Papier Recycling GmbH (APR)
- ACR, Austria ChemPack Recycling GmbH, feasibility towards the a sectoral recycling organization for used packagings of chemical products, 1993  
*Commissioned by:* Federal Economic Chamber, Chemical Industry
- Cooking Oil – Recovery of Used Nutrition Oil from Households and Restaurants, a concept for a nation-wide collection and recycling system, 1991  
*Commissioned by:* Federal Economic Chamber, Food Industry
- LEU-KÜ-BAT, Basic Research and Feasibility for a separate collection and treatment system of fluorescent lamps, akkumulators and refrigerators in Austria, 1991  
*Commissioned by:* Federal Economic Chamber, Department of Environment
- Card Board Packagings for Milk Products – basic research and conception for a nation-wide system for collection and recycling of used milk packaging, 1990
- Disposable Beverage Packaging – basic research and conception for a nation-wide system for collection and recycling of disposable beverage packagings, 1990  
*Commissioned by:* Federal Economic Chamber, Beverage Industry
- Initiation / Participation in national and international workshops, conferences, working groups and expert symposiums
  - Austrian Standardisation Institute, Federal Ministry of Economic Affairs, Recycling Industries, Secondary Raw Materials, Refrigeration Units, Environmental Management System
  - Renewable Raw Materials Work Group
  - Returnable/Reusable (Mehrweg) Work Group