

01 Circon AG

The Universities of Applied Sciences (Fachhochschulen) Solothurn and Beider Basel together with Circon AG present an interactive integrated information system for transport companies. The goal of the government sponsored project (Commission for Technology and Innovation, CTI) is to optimize transportation of goods according to ecological and economic criteria. We show a simulation tool with enhanced algorithms that supports optimal route planning. The effect of these software solutions on the environment and the resulting reduction of transportation cost will be visualized.

02 Earthsoft Inc.

EarthSoft's EQuIS data warehouse for environmental chemical and geology data is the most widely used environmental system in the world. Encapsulated with ArcView GIS, EQuIS allows you to report and graph your data without calling an expert and maintain high data consistency and data quality from project to project, consultant to consultant, lab to lab. EQuIS promotes data sharing and interfaces to statistics, reports, graphs, advanced 3D visualization, boring logs, modeling, and many other systems for the display and analysis of soil and groundwater data.

03 Kisters Aktiengesellschaft

KISTERS AG is one of Europe's major environmental informatics providers. Numerous specialists as well as executives in public authorities and the free enterprise rely on KISTERS standard solutions for water, air and soil, hazardous substances and EHS. Technological lead in its data processing systems from monitoring up to Internet applications and proximity to its customers with a tight network of branches and 150 employees in Germany, France and Spain have made KISTERS a preferred long-term solution partner.

04 INPLUS GmbH München

INTERACT is a European research and development project developing tools for efficient online environmental permitting and access to environmental information via the Internet. The project is partially funded by the European Commission within the 5th framework IST programme. Our exhibition stand presents the progress of the INTERACT product development and introduces the software developers with their specific tasks within the INTERACT programme: CSI - Direzione Regione Piemonte Consortio per il Sistema Informatico; Hydrossoft Veleslavin s.r.o.; IN+ GmbH Environmental Management Systems.

05 T-Systems; debis Systemhaus GEI GmbH

T-Systems will present a very new and modern environmental information and risk management system, which already has passed the operational pilot phase: The Remote Monitoring System for Nuclear Power Plants (in Baden-Württemberg) is a complex measuring and information system which records and monitors approx. 100,000 measured values per day. The actual operational state of the facilities including their emissions into air and water, together with the radioactive immissions into the environment are automatically determined and visualized.

06 TechniDATA Aktiengesellschaft

ENVINET Network Management Centre NMC is a highly modular system of the latest generation for the logging, management and distribution of environmental data. ENVINET NMC encompasses all relevant functions for the continuous and discrete logging, verification, circulation and publication of environmental data as well as online presentation on the Internet and WAP. It includes the topics of radioactivity, meteorology, hydrology and air quality as well as the processing of mobile and laboratory data.

07 synergitec

Thomas Mayer, Dipl.-Ing., synergitec in Freiburg, Germany, assists the industry in cutting down on "non-product-output". The successful approach to enhance material efficiency combines the knowledge available on-site with synergitec's experience to find rewarding hidden potentials. With a technical, economical, ecological and programming background synergitec is an ideal catalyst on the way to better transparency: interconnections of material flows and their true costs. Independent from suppliers synergitec also provides profound information about environmental software systems and their use.

08 disy Informationssysteme GmbH

The focus of disy Informationssysteme GmbH is providing support for their clients to deal more efficiently with the growing flood of information. Thereto disy develops innovative information systems, which bring together, structure, and present data and services from distributed sources. With disy Cadenza we present a platform that provides advantage through integrated use of catalog services, business data and geographical services: (1) better information supply for knowledge workers, business partners, and customers; (2) single point of access for heterogenous information from different departments.

09 Umweltfocus

Umwelt Focus has established itself as leading magazine for environmental management and technology in Switzerland. Umwelt Focus readers are professionals handling environmental issues on a management level in the industry, in public offices, in the financial sector or work as engineers and consultants. Umwelt Focus combines technical, managerial and economical aspects of environmental affairs. As the Swiss member of the European Environmental Press EEP, Umwelt Focus is also a partner in the exchange of information and knowledge within the EU.

10 Simutech

Simutech (www.simutech.at) offers database management and simulation tools: HIS3D is the environmental-data-management-system: measurement stations (e.g. near hydro-power-plants) deliver water level and quality values (chemical, biological) to HIS3D, which analyses and categorises the values. HIS3D contains several modules, e.g. for graphical presentation and administrating measurement coordinates. eHIS InterStore is the platform for selling, presenting and distributing environmental data in the Internet and the Intranet. Selecting measurement stations in a map the customer accesses and orders data values, using a fully automated process for paying and delivery.

11 Finland Futures Research Centre

“The Eco-Information Society: Criteria and Operational Possibilities (eKnowledge)” is a part of the “Sustainable development and the Information society”-project (KESTY) of the Finnish Ministry of the Environment. The researchers analyse the criteria of sustainable development in the Finnish information society and create the sustainable development indicators for the information society. The researchers will also produce environmental friendly innovations in co-operation with two representative spearhead programmes of the Finnish national strategy for Information Society: the “Personal Navigation (NAVI)” and the “Telework” programme (eWork).

12 SIS, EMPA St.Gallen

Sustainability in the Information Society (SIS) is an Innovation and Cooperation Programme funded by the Council of the Swiss Federal Institutes of Technology (ETH-Rat). The aim of this programme, carried out by the Swiss Federal Laboratories for Materials Testing and Research (EMPA), is to assess the opportunities and risks of Information Technology (IT) for sustainable development, to develop methods for analysing the relationship between material and information flows in society, and to design and implement IT applications that help to approach the goal of sustainable development.

13 Technical University, Athens

Results of the EU Life Project “Pollution Reduction and Sustainable Management in the Wine Industry” are presented. In all of the wine producing processes water is the governing parameter and the main vehicle of pollution spreading. The proposed strategy for wine pollution control includes the following objectives: (1) a reduction of water consumption during the industrial processes of pressing, racking, detartrating and filtration and a better water management, and (2) an optimization of the wastewater treatment. We present a typical waste treatment strategy of organic polluting agents, which are mainly presented in the water used in the various industrial processes and in the solid wastes produced by the pressing, crushing and racking processes.

14 Institut für Bauinformatik, TU Cottbus

The Institute for Bauinformatik presents www-based collaborative engineering environments used in modern distributed research and education projects in the broad multi-disciplinary domain of environment water. The exhibition examples are coming from training, education and research focusing on the relation between the learning processes, methods & tools and research &

technological development, on www-based collaborative engineering in hydroscience (educational environment example, <http://www.hydro-web.org>) and on the management of inundation risks caused by catastrophic flood events (research project environment example OSIRIS, <http://www.ist-osiris.org>).

15 Universität Magdeburg

The working group for Business Information Systems of the Otto-von-Guericke-University Magdeburg demonstrates the automated environmental reporting based on structuring and standardising of environmental documents using XML. A software tool will be presented which provides the automated integration of eco-balance data into an environmental report and which facilitates the creation and the target group-oriented preparation of environmental reports. Furthermore four new book publications from the study group in the fields of environmental information systems, disassembly planning and control, return flow prognosis and material flow based eco-balancing evaluating a beer production process will be presented.

16 TZI-Universität Bremen

BUSTER - a tool for semantic data integration: The Bremen University Semantic Translator for Enhanced Retrieval (BUSTER) tackles problems with regard to search and integration of information in distributed, heterogeneous information sources. To access such information sources as efficiently as possible, technical, structural and semantic problems must be solved. The BUSTER system offers an integrated solution for this problem by using a combination of different technologies such as standard markup languages, mediator systems, ontologies and knowledge-based classifiers.

17 Universität Osnabrück

At the exhibition the internet-based network "eco-campus.net" will be presented. The "Network for an Environmentally Sound Development of Universities" is a union of projects, people and universities actively supporting a sustainable development of universities. The network connects the activities of university members, makes available a comfortable and inexpensive basis for communication and information, enables a continuing exchange of knowledge and experiences, increases the cooperation of environmental representatives at universities, and cooperate with foreign networks and universities.

18 Centro Servizi per il Volontariato Regione Lazio (CESV)

NGO-activities: intercultural mediation on-line.

19 Universität Bonn

ABIS - Automatic Bee Identification System: A third of the world's crops require pollination, most of which is performed by bees. On the other hand, bee populations throughout the world are currently under threat. We clearly need to be able to monitor bee populations and, consequently, to identify bee species. ABIS - Automatic Bee Identification System - quickly and accurately classifies live bees from images of their wings. Our exhibit will explain the classification process and give demonstrations of the identification system in action.

20 Workshop W.7: Environmental education

Information technology and the new focus of sustainable development have changed environmental education dramatically in the past years. Environmental issues have had a strong presence from the very beginning of the internet. In the workshop the theoretical approaches and concrete projects experiences from six authors will be presented and used as a basis to set up a set of "success factors" on how information systems can contribute to the ambitious goal which the educational sector is faced with in sustainable development.