



ecosan – newsletter – no. 4 – 03/2002 – english

This regular electronic news bulletin from the ecosan project of GTZ, Germany, addresses a network of friends and professionals involved in initiatives and projects in the field of closed-loop wastewater management and sanitation.

**Dear friends
and colleagues!**

Welcome to GTZ's ecosan newsletter in English, French, Spanish and German; issue no. 4!

The latest editions of the English version are distributed directly via e-mail in the globally-readable, text-only format. You can also download German, French, Spanish and English versions as easy-to-read pdf files from our website.

!!! Downloads:

German: <http://www.gtz.de/ecosan/docs/nl4dt.pdf>

Spanish: <http://www.gtz.de/ecosan/docs/nl4esp.pdf>

French: <http://www.gtz.de/ecosan/docs/nl4fr.pdf>

English: <http://www.gtz.de/ecosan/docs/nl4eng.pdf>

Your ecosan team hopes you enjoy our current issue!

Your contribution

This medium lives through interaction. So please keep sending your suggestions, requests and information to be published via this newsletter to the addresses at the end of this issue. Thank you for any contribution!

In-house news

**2nd International GTZ ecosan symposium in cooperation with IWA:
April 7-11, 2003, Lübeck, Germany**

The preparations have started! The 2nd International Symposium on ecological sanitation is expected to be held April 7 – 11, 2003, in Lübeck, Germany, as a follow-up to our International Symposium "ecosan – closing the loop in wastewater management and sanitation", held in December, 2000. This conference will be organized in cooperation with the IWA Specialist Group on Sustainable Sanitation. More detailed information coming soon: watch this space!

**GTZ /BMT & ATV-DVWK Developing Countries Workshop during IFAT,
May 14, 2002, Munich, Germany**

On Tuesday, May 14, from 2:00 to 7:00 p.m, GTZ and the BMZ (German Federal Ministry for Economic Cooperation and Development), in cooperation with ATV-DVWK, are holding the Developing Countries Workshop with the theme: Global Future: Recycling Concepts in Municipal Wastewater and Faecal Management. Internationally renowned lecturers will report on practical experience and visions for the future.

Please see newsletter chapter "Events – coming soon"!

GTZ ecosan project offers traineeships

Students and recent graduates interested in learning more about ecosan and looking behind the scenes of our project within an international organization for development cooperation can work with us at the GTZ head office in Eschborn, Germany for three months. So do not hesitate to send in your application (next starting date: May 2002).

Basic requirements: fluent written and spoken German and English, studies or recent degree in rural water management, civil engineering, ecology or similar subjects – and a strong interest in ecosan, of course...☺

Leavetaking

Steven Esrey

Steven Esrey, Senior Program Officer at Unicef, who had for many years applied his unbounded energy, outstanding professional ability, general humanity and humour to a rethinking of sanitation paradigms and the development of new concepts, succumbed to cancer on December 20, 2001, in Connecticut, USA.

!!! Publications by Steve Esrey at, for example: <http://www.unicef.org>

Anil Agarval

Anil Agarval – environmentalist, engineer, journalist and founder of the Centre for Science and Environment (CSE), one of the largest and most successful NGOs in India – lost a long battle with cancer on January 2, 2002. He died in his house in Dehradun, India. A highly skilled activist and brilliant speaker and author, Anil Agarval fought to the end and with admirable energy for environmental protection, social equity and the rights of the poor.

!!! For more about Anil Agarval's work and the CSE: <http://www.cseindia.org/>

Current information

2003: International Year of Freshwater

In December 2000, the United Nations General Assembly proclaimed the year 2003 as the International Year of Freshwater. This resolution was initiated by the Government of Tajikistan and supported by 148 other countries. The purpose of the Freshwater Year is to increase awareness of the importance of sustainable freshwater use, management and protection. The publication of the World Water Development Report in March, 2003, will be the main focus for public information activity. An official web site for the Freshwater Year, educational material for schools, videos, brochures and documentaries are being produced.

!!! For further information please contact:

Mr Manuel Dengo and Ms Marcia Brewster, dengo@un.org, brewster@un.org, or Mr Andras Szöllösi-Nagy, Director, Division of Water Sciences, UNESCO, ihp@unesco.org

New date for the Johannesburg Summit, 2002!

The World Summit on Sustainable Development (Rio+10), organized by the United Nations, (see ecosan-Newsletter 3) will be held from August 26 to September 4, 2002, in Johannesburg, South Africa.

!!! For the latest information: <http://www.johannesburgsummit.org>

Official Key Recommendations for Action from the International Freshwater Conference 2001 emphasize the key role of sanitation

The International Conference on Freshwater, held last December in Bonn, Germany, has reviewed the role of water in sustainable development. One outcome of the conference were the Recommendations for Action for Rio+10 in Johannesburg, in August, 2002. Sanitation and hygiene issues were strongly stressed as key factors for poverty reduction. It was suggested to complement the UN Millennium Declaration target on drinking water with a corresponding target to halve by 2015 the proportion of people lacking access to satisfactory sanitation.

The Recommendations for Action, specified under the three headings “governance”, “mobilising financial resources” and “capacity building and sharing knowledge”, and the full conference outcome can be downloaded on the WWW.

!!! **Download:** <http://www.water-2001.de/outcome/>

Ecological Sanitation at WSP Africa

As part of a contribution to ecological sanitation in Africa, the Water Sanitation Programme WSP-AF team received the additional support of Andreas Knapp, an ecological sanitation expert funded by the Austrian Trust Fund. His major working areas include: knowledge management and knowledge sharing on ecological sanitation and excreta re-use, networks for research and policy on ecological sanitation, policy support, and back-up for the development of innovative ecosan pilot projects in the region. In addition, the WSP-AF offers the services of the Water Help Desk for questions on ecological sanitation.

!!! **For more information about the activities of the WSP-AF please contact:** Mr Knapp, Aknapp@worldbank.org

A bit of imagination!

Unfortunately we cannot show a picture, but briefly: South Africans now have a new, lighter and more effective alternative to transporting water on their heads in buckets: the Hippo Roller. This plastic barrel, laid on its side within a metal yoke, can be easily rolled along - at least in areas that are not too rough. Women can transport four times as much water as they could in buckets, and it has even become hip for young men to carry water this way. Technological improvement can be so simple!

Recent publications

Conferences

Full conference papers of the 1st International Conference on Ecological Sanitation in Nanning now available online

As mentioned in recent newsletters, a broad array of projects, scientific and political activities and approaches were presented during the very successful conference in Nanning, China, in November, 2001. Over 60 of the reports can now be viewed on the post-conference Internet dialogue website.

!!! **Documents:** <http://www.ias.unu.edu/proceedings/icibs/ecosan/abstracts.html>

Conference catalogue 'Membrane Technology in Water Purification and Treatment'

More than 550 persons participated in the fourth Aachen Conference for Rural Water Management and Technology in September 2001 to share perspectives, new developments and experience working at home and abroad. The reports were supplemented with a poster exhibit on current academic research and with an exhibition on the field. The conference catalogue contains all 46 reports on the subjects of water purification and treatment.

!!! **To order please contact:** Dr. M. Krumm, RWTH Aachen, Fax: +49-241-8888-285, or e-mail: krumm@isa.rwth-aachen.de

Paper presented during the ecosan side-event at the International Conference on Freshwater, Bonn, Germany

Drangert, Jan-Olof: “Highlights on Swedish research activities in EcoSan – Sanitation by All”, Linköping University, Sweden

This paper, presented during the International Conference on Freshwater in Bonn in December, 2001, summarizes the interesting findings of Swedish research on urine diversion, its history, hygienisation of faeces and urine, risk assessment, reuse of urine as fertiliser, management issues and user behaviour and attitudes, that show ecosan as a viable option for "sanitation by all".

!!! Download: : <http://www.gtz.de/ecosan/docs/bonn-paper-drangert.pdf>

Workshop results: Ecological Sanitation in Urban Areas (Stockholm Water Symposium 2001)

In: **Stockholm Water Front - a forum for global issues, No. 4, December 2001, page 9, ISSN: 11027053; Stockholm International Water Institute, Sweden**

"Challenges of Expanding Ecological Sanitation into Urban Areas" was the theme of workshop no. 8 organized during the last Stockholm Water Symposium "Water Security for the 21st Century - Bridge Building Through Dialogue", August 2001, in Stockholm, Sweden. Summarized conclusions – e.g., concerning special hygiene, social and technical aspects, the viability of central pipe systems and the necessary links between cities and rural areas – were published in the "Stockholm Water Front" magazine, see page 9.

!!! Download: http://www.siw.org/pdf/Waterfront_December_2001.pdf

Recent Publications

diverse

Water, sanitation and health electronic library on CD-ROM

WHO (2001): Water, sanitation and health electronic library - A compendium of WHO information on water, sanitation and health; World Health Organization, Geneva, Switzerland, CD-ROM, 10,700 pages, ISBN: 92-4-154549-6, US\$ 225, developing countries: US\$ 63 (order no. 0990013)

Contents of the CD-ROM:

- 15 books (incl. Guide to the Development of On-Site Sanitation, Guidelines for the Safe Use of Excreta and Wastewater in Agriculture and Aquaculture, and Analysis of Wastewater for Use in Agriculture)
- 82 documents and reports on topics such as wastewater reuse, sanitation and hygiene education
- Water-related fact sheets
- Slide collection, teaching material and posters.

The next edition containing updated information will be released in October, 2002.

!!! To order please contact: WHO Marketing and Dissemination, fax +41-22-7914857 or mail to: bookorders@who.int

The flush toilet is ecologically mindless

Narain, Sunita (CSE): The flush toilet is ecologically mindless. In: Down To Earth magazine, Vol 10, No 19, February 2002, Centre for Science and Environment (CSE), India

Flush toilets are part of the problem, not the solution. They totally destroy nature's nutrient cycle and are absolutely "politically uneconomical". The meaning of this term is defined by a very interesting survey of the situation of sanitation in India, especially highlighting the economic aspects of water consumption connected to common sanitation strategies. Sustainable alternative approaches are pointed out.

!!! Download: http://www.cseindia.org/html/dte/dte20020228/dte_analy.htm

New sanitation systems for urban and rural areas

Otterpohl, Ralf: Black, brown, yellow, grey – the new colours of sanitation; in: Water 21, IWA magazine, issue: 10/ 2001

Practical experience with implementing source control treatment and reuse technologies, well known from industrial usage, adapted to the requirements of domestic settings in urban and rural areas prove their technical and economic feasibility as well as their acceptance. Prof. Dr. Ing. Ralf Otterpohl, head of the Institute of Municipal and Industrial Wastewater management of the Technical University of Hamburg-Harburg, summarizes recent know-how.

!!! Download: <http://www.gtz.de/ecosan/docs/otterpohl-IWAmag-paper.pdf>

Identifying demand drivers for sanitation technologies – the case of ecosan in Africa

Report of the WSP-Africa - Roundtable Discussion on ecosan, by Lukman Y. Salifu (Water and Sanitation Program Africa, Nairobi, Kenya), 10/ 2001.

This paper, prepared by the Water and Sanitation Program – Africa, deals with the opportunities and constraints for ecosan in Africa up to now and reports the physical and non-physical factors that may encourage households to adopt ecosan solutions.

!!! Download: <http://www.ehproject.org/Library/EHUpdate22.htm>

Achieving sustained sanitation for the poor: examples from Asia

Nilanjana Mukherjee (WSP): Achieving Sustained Sanitation for the Poor – Policy and Strategy Lessons from Participatory Assessments in Cambodia, Indonesia, Vietnam; Water and Sanitation Program for East Asia and the Pacific; April 2001

This article is based on site reports and country data summaries prepared by field research teams in Cambodia, Indonesia and Vietnam. It identifies communities where sanitation interventions have been relatively successful and documents the factors that helped or hindered the success of those services.

!!! Download: <http://www.wsp.org/english/pubs/pubs.asp?sort=title>,

BBU Water Circular

Publ.: Arbeitskreis Wasser im Bundesverband Bürgerinitiativen Umweltschutz e.V. (BBU), Freiburg, Germany

Especially for German readers: The BBU-Wasser-Rundbrief provides information every 14 days or so for citizens' action groups, ecologically interested readers in politics and administration, and journalists about current events in the fields of water management, surface water resource protection and aquatic nature conservation. Ten daily newspapers, numerous weeklies and some 30 professional journals are evaluated and inside information on the environmental scene is published.

!!! Information, also about subscriptions: www.akwasser.de

Current Publications

Online Forums, etc.

Internet forum on proper excreta disposal

The Environmental Health Project (EHP) of USAID conducted the Internet Forum: "Safe Excreta Disposal" through their Information Exchange Network. The discussions on changing sub-topics are presented and summarized at:

!!! Information: <http://www.ehproject.org/Library/ExcretaDisposalNet.htm>

Ongoing E-conference: successes and failures of gender mainstreaming in integrated water resource management

This conference is organized by the International Information Centre and Archives for the Women's Movement IIAV of the Netherlands to gather information from professionals and other interested persons and to elaborate recommendations for the 3rd World Water Forum in Kyoto, 2003.

The E-conference is organized in 3 stages:

Stage 1 (January 28 - February 24, 2002): State of the Art

Stage 2 (April 8 - May 21, 2002): Case studies

Stage 3 (September 2 – 27, 2002): Analysis and recommendations.

This event is open to everyone interested in the subject and is held in English, French, Spanish and Portuguese.

!!! Information: <http://www.iiav.nl/knowhow/water.html>

RUAF magazine on urban agriculture

The Urban Agriculture Magazine of RUAF, the Resource Centre on Urban Agriculture and Forestry, functions as a platform for exchange and discussion of information on urban agriculture, such as research results, project experience and critical analysis of conventional and innovative policies on this subject. The magazine is published online three times a year on the RUAF website as well as in hard copy in English, Spanish and French. Contributions for issue No 8, November 2002, on the theme 'Wastewater Re-Use in Urban Agriculture' are accepted until August 1, 2002.

!!! For details about contributions: <http://www.ruaf.org/news/geneng.html>

Recent events

World Water Day, March 22, 2002: "Water for Development"

The annual World Water Day grew out of the 1992 United Nations (UN) Conference on Environment and Development held in Rio de Janeiro. The General Assembly called upon states to devote this day to concrete activities related to the conservation and development of water resources in their respective national contexts, and for the UN to assist countries in organizing their activities.

The theme of the world-wide event this year was "Water for Development". The Water for Development website provides news and information about events for World Water Day.

!!! Information: <http://waterday2002.iaea.org/English/index.html>

China: Water China 2002, March 26-29, Guangzhou (Canton)

Organizer: China Foreign Trade Centre Group, China Foreign Trade Guangzhou Exhibition Corp., and MEREBO Messe Marketing

Host: Ministry of Foreign Trade and Economic Cooperation

The International Fair will include the "3rd Water, Wastewater & Water Treatment China 2002" and the "2nd Pump, Valve & Pipe China 2002".

This year the internationalization and technical content of this international exhibition (2001: 235 exhibitors and 15000 visitors) was to be increased in an attempt to provide a good chance for communication between industry insiders from home and abroad. In order to strengthen specialization, experts and exhibitors in every field of water industry were invited to attend.

!!! Information: <http://www.merebo.com/E/Exhibitions/WaterE/watere.html>

Events, very soon...

New Zealand: 5th International IWA Specialist Conference on Waste Stabilisation Ponds, April 2-5, 2002, Auckland

Organizer: IWA Specialist Group on Waste Stabilisation Ponds.

The conference will provide both local and international delegates with an opportunity to exchange the latest information on waste stabilisation ponds and associated technologies.

!!! Information: <http://www.iwahq.org.uk/template.cfm?name=ev0024>

Australia: IWA World Water Congress and Enviro 2002 Convention & Exhibition, April 7-12, 2002, Melbourne

Host: International Water Association IWA in cooperation with AWA, WMAA, CASANZ, EBA

The congress programme includes over 800 scientific and technical papers and posters and more than 30 workshops and panel discussions on both policy and practice. It has been organised in 7 subject tracks with sessions and workshops in order to cover the whole range of subjects of interest. In addition, all-day forums on developing country issues, WHO drinking water guidelines and technical site visits are being arranged as part of the congress programme.

!!! Information: <http://www.enviroaust.net>

UK: International Conference on Planning and Management of Emergency Sanitation, April 10-12, 2002, Loughborough

Organizer: Water, Engineering and Development Centre (WEDC), Loughborough University, Loughborough, UK

Topics covered during this event include: emergency planning and management, excreta disposal, solid waste management, hygiene promotion, emergency sanitation in urban settings and community participation. An exhibition is part of the conference.

!!! Information: <http://www.lboro.ac.uk/wedc/projects/apdes/>

Events, coming soon

Germany: IFAT 2002 – International World Fair, May 13-17, 2002, Munich

Organizer: Messe München

This event will show specialist problem solutions and the latest state of technology, together with a wide range of qualified services in the fields of water, sewage and waste management.

As part of the fair and as an opportunity for further highly topical discussions, the 12th European Symposium on Water, Sewage and Waste and associated workshop sessions will be held from the 13th to the 16th of May.

On Tuesday, May 14, 2:00 – 7:00 p.m, GTZ and the BMZ, in cooperation with ATV-DVWK, are holding the “Developing Countries Workshop” under the heading: “Global Future: Recycling Concepts in Municipal Wastewater and Faecal Management” with several lecturers reporting on their current practical experiences and visions for the future.

Workshop Programme:

ecosan - a GTZ supra-regional R&D project for the development, testing and dissemination of recycling-oriented sanitation concepts

Christine Werner, Heinz-Peter Mang, GTZ (Germany)

Prof. Dr. Ralf Otterpohl, Technical University Hamburg-Harburg (Germany)

A material flux analysis for wastewater management and urban agriculture

Dr. Hasan Belevi, EAWAG/SANDEC (Switzerland)

Alternative sanitation concepts in conurbations

Ulf Volker Rakelmann, Hamburger Stadtentwässerung (Germany)

Chairman:

Prof. Dr. Ing. Hermann Orth, Ruhr-University Bochum (Germany)

!!! Information about the fair: <http://www.ifat.de>

!!! Information about the symposium: <http://www.ifat.de/programm/index.htm>

Kenya: Workshop on Urban Policy Implications of Enhancing Food Security in African Cities, May 27-31, 2002, Nairobi

Organizer: UN-HABITAT in Partnership with FAO, IDRC, & SIUPA

Objectives of the regional workshop are to review and discuss the relative contribution of urban agriculture, peri-urban agriculture and rural-to-urban food inflow to the overall food needs of cities in Africa and to urban poverty reduction in general and to make relevant urban policy recommendations for the Rio+10 conference.

!!! Information: <http://www.unhabitat.org/en/calendar.asp>

!!! Download: <http://www.unhabitat.org/conference/Brochuref.pdf>

Russia: ECWATECH-2002: 5th International Congress and Trade Fair 'Water: Ecology and Technology', June 4-7, 2002, Moscow

Organizer: SIBICO International, Ministry of Natural Resources of the Russian Federation and others.

Hosts: IWA, WHO, UN/ECE and Global Water Partnership (GWP).

This event opens up broad access to international water technology, know-how and expertise. It combines a congress, including special events for different categories of participants, and a trade fair.

!!! Information: <http://www.ecwatech.com>

Germany: 3rd Soil Conference – Sustainable Soil Use for Surface Water Resource Protection, June 10-11, Hannover

Hosts: Bundesverband Boden (BVB), ATV-DVWK, Deutsche Bodenkundliche Gesellschaft (DBG)

At the core of this event is the issue of what form of soil use can ensure long-term protection of our surface water resources.

The following blocks of themes are planned:

- surface water resource protection in agriculture
- sustainable forms of land use and soil management
- viable solutions for substance disposal on soils
- excursion: "ecological soil management in Kronsberg"

!!! For further information please contact: Barbara Kirstein; kirstein@atv.de

Canada: International Conference on Managing Shared Waters, June 23-28, 2002, Hamilton, Ontario

Organizer: Pollution Probe in partnership with United Nations University's International Network on Water, Environment and Health (UNU/INWEH) and the Coastal Zone Canada Association (CZCA)

Topic: 'Managing shared Waters towards sustainable transboundary coastal ecosystems'

This event will bring together the marine and freshwater coastal communities to share experiences through a wide variety of presentations, roundtables, panels, field trips and networking opportunities. It aims to address the capacity needs of those working towards the sustainable development of marine and freshwater coastal regions, particularly in transboundary situations. Conference themes will cover: education, training, awareness raising; institutional and participatory frameworks; measuring and understanding of coastal ecosystems; and infrastructure, services and products.

Outcomes of the conference will feed into the World Summit on Sustainable Development and the 3rd World Water Forum. Limited financial assistance is available for delegates from developing countries.

!!! Information: <http://www.pollutionprobe.org/managing.shared.waters/index.htm>

Germany: H2O Annual Forum on Water and Wastewater Management, 1-3 July, 2002, Berlin

Host: Management Circle in cooperation with the Federal Association of the German Waste Disposal Industry (Bundesverband der Deutschen Entsorgungswirtschaft e.V. - BDE)

Topic: German water management – successful strategies for a changing market

The forum offers plenary speeches, podium discussion and concomitant specialist forums with experts and leaders in the field of water and wastewater management, administration, banks and consultants, particularly in the corporate fields of financing, monitoring, management, marketing and strategy. Intensive workshops will be held on the final day.

!!! Information: www.managementcircle.de

South Africa: 3rd International Conference and Exhibition on Integrated Environmental Management in Southern Africa, August 27-30, 2002, Johannesburg

Organizers: Centre for Innovative Environmental Management (SCIEM), University of the Witwatersrand, South African Institution of Chemical Engineers; Johannesburg, South Africa and Gerhard-Mercator University of Duisburg, Germany. Current sponsors: the Ministry of Schools, Science and Research of the state of North-Rhine/Westphalia, Germany.

This conference, a week before the Johannesburg Summit, will promote the exchange of the latest information and know-how on environmental management in Africa and related problems. It aims at identifying major priorities and contributing to the summit deliberations as well as to appropriate solutions for managing the African environment in the future and environmental education in southern Africa.

A number of courses and workshops will be organized.

!!! Information: <http://www.melissa.org/english/frameset.htm>

!!! or contact: cemsa2002@civil.wits.ac.za

Switzerland: International conference on urban horticulture, September 2-6, 2002, Waedenswil

Organizer: University of Applied Sciences Waedenswil, in cooperation with the International Society for Horticultural Science

Subject: "Mensch, Pflanzen, Lebensqualität" (Humankind, plants, good living)

The conference will focus on the following topics: plants and society, public green areas, plant use and landscaping, assortment development and production, and ecological engineering including such subjects as agriculture/food for cities, water and soil rehabilitation, etc.

!!! Information, online registration and contributions: <http://www.hortikultur.ch>

Hong Kong: International Specialized Conference on Water and Wastewater Treatment Technologies, September 18-20, 2002

Organizer: Hong Kong University of Science and Technology

Hosts: The Croucher Foundation, KC Wong Education Foundation, IWA

Topic: "Creative Water and Wastewater Treatment Technologies for Densely Populated Urban Areas"

This event focuses on the development of cost-effective and space-saving water and wastewater treatment technologies to accommodate the needs of growing cities, especially in developing countries. It will provide an opportunity for practitioners and researchers, especially in the fields of civil and environmental engineering, to exchange experience, present their work and identify tasks as well as opportunities for cooperation on future activities.

Registration until June 30.

!!! For further information please contact: Dr. G H Chen cegchen@ust.hk

Netherlands: Aquatech 2002, October 1-4, 2002, Amsterdam

Organizer: Amsterdam RAI

This international trade event for water technology and water management will provide a platform for the exchange of information about creative technology and policy solutions to current problems in water management. Visitors to this event will gain an overview of all the latest developments in the water market and will have an opportunity to meet technical professionals and policy-makers from all branches of the water industry. A conference will take place parallel to the trade event (see below).

!!! Information, online registration and contributions:
<http://show-info.nl/aquatech2002>

!!! Further information: RAI, PO box 77777, 1070 MS Amsterdam, Netherlands, or <mailto:aquatech@rai.nl>

Netherlands: International Conference 'From Nutrient Removal to Recovery', 2-4 October, 2002, Amsterdam

Organizer: International Water Association (IWA) in cooperation with the Netherlands Association on Water Management (NVA) and Aquatec, Amsterdam, 2002

The conference will discuss the use of nutrient recovery technologies and potential uses of nutrients recovered. This event will provide an overview of the present situation with relation to improved nutrient removal or recovery technologies.

!!! Information: <http://show-info.nl/aquatech2002>

!!! For further information please contact: the Conference Secretariat: Buerweg 51, 1861 CH Bergen, Netherlands, Tel. +31 20 460 24 66
or e-mail: r.r.kruize@inter.nl.net

Mexico: VII Latin American Workshop and Symposium on Anaerobic Digestion, October 22-25, 2002, Mérida, Yucatan

Organizer: Institute of Engineering UNAM

Hosts: IWA, FEMISCA

The 7th meeting of the biennial series aims to enhance the exchange of experience between researchers, design engineers and operators of treatment systems with an integrated anaerobic stage, to promote the topic and to contribute to the rational use of treatment technologies. It is divided in two parts: a one-day technical-scientific workshop and a three-day symposium.

!!! Information: www.iingen.unam.mx/daal2002

India: 28th WEDC Conference on Sustainable Environmental Sanitation and Water Services, November 18-22, 2002, Calcutta

Organizers: WEDC and the Institution of Public Health Engineers (IPHE), India

Low- or middle-income countries are the target of this event. Themes for the conference are: emergency water supply and sanitation, environmental sanitation, wastewater and drainage, solid waste management and air pollution, financing and management issues, institutional issues, users/community issues and initiatives, water supply, water resources, water quality and treatment, health and hygiene promotion and knowledge sharing.

!!! For further information please contact: wedc.conf@lboro.ac.uk;

India: IWRA International Regional Symposium "Water for Human Survival" and Water 2002 Exposition, November 26-29, 2002, New Delhi

Organizers: Geographical Committee of the International Water Resources Association, India, and the Central Board of Irrigation and Power, India

Hosts: IWRA, Indian Committee on Large Dams (INCOLD), Committee for International Society for Rock Mechanics, India

The symposium will target the following main themes: water for food security, health security and environment, rainwater harvesting and conservation, water administration and water law. The Water 2002 Exposition will take place from 27-29 November in conjunction with the symposium as a technology showcase on water resources management in the 21st century.

!!! Information: <http://www.iwra.siu.edu/conferences/bulliten2002.html>,

!!! For further information please contact: cbip@nda.vsnl.net.in

Germany: Call for papers for the International Forum Water- and Waste Management, 23-24 January 2003, Kassel

Organizer: ATV–DVWK expert committee for international cooperation in collagoration with the Deutsche Gesellschaft für Technische Zusammenarbeit (GTZ) GmbH (German Technical Cooperation), the German Federal Ministry for Economic Cooperation and Development (BMZ) and the Kreditanstalt für Wiederaufbau (KfW) (German Financial Cooperation). Speeches to be given at this forum may be submitted. A forum for experience exchange will be held for experienced experts from the international sphere as well as newcomers to the field. Topical themes in development cooperation and in promotional programs are being sought.

!!! Information: <http://www.atv.de/atvfrm.htm>

!!! For further information please contact: Gabriele Martens martens@atv.de,

Tel. 02242-872-201, Fax 02242-872-135

Japan: 3rd World Water Forum, March 16-23, 2003, Kyoto

The 3rd World Water Forum, including a ministerial conference and fair/festival, aims to stimulate global awareness of water problems, thus helping to generate action from debates and ideas on a very broad but also prominent and political level. To support this purpose, numerous activities, including regional conferences on individual subjects, have been organized prior to the forum in various regions around the world. All the findings from those activities will be reported at the forum.

In addition, the Virtual Water Forum (VWF) has been initiated. This is a site for the exchange of information and experience through discussion and sessions on specific water issues, involving people around the world across time-zone, regional and language barriers, using the Internet. It is still open to participation.

!!! Information: <http://www.worldwaterforum.org>

Links and tips

Links of interest

You'll find an extensive list of interesting links on our homepage at:

<http://www.gtz.de/ecosan/links.html>

We would greatly appreciate your calling our attention to additional links of interest:

(christine.werner@gtz.de)

New tips (in alphabetical order)

eco-solutions website

<http://www.eco-solutions.org>

eco-solutions designs; promotes and demonstrates ecological sanitation solutions in the Indian sub-continent.

Espacio de Salud, A.C. (ESAC)

<http://www.laneta.apc.org/esac/activities.htm>

ESAC provides health and environmental education and training in the use of eco-technologies to extension workers, leaders and grassroots organizations in peri-urban and rural communities in central and southern Mexico.

Flintenbreite

<http://www.flintenbreite.de/>

Information about the German settlement "Flintenbreite" in Lübeck for 350 inhabitants using a wide range of eco-technologies including a complete sustainable sanitation concept.

GARNET – Global Applied Research Network

<http://www.lboro.ac.uk/garnet/>

This is a site for information exchange in the water supply and sanitation sector using low-cost, informal networks of researchers, practitioners and funders of research.

Its mission is to build and serve a worldwide movement of local governments to achieve improvements in global environmental and sustainable development conditions through cumulative local actions.

ICLEI – International Council for Local Environmental Initiatives

<http://www.iclei.org>

The water campaign

<http://www.iclei.org/water>

The ICLEI water campaign represents an international movement of local governments and their stakeholders, who are committed to achieving tangible improvements in the sustainable use of fresh water resources. Its main activity areas are municipal incorporation, urban and local watershed areas.

Draft of the Iguaçú Action Programme (IAP)

<http://www.wsscc.org/forum5/actprog.html>

Summary of the outcomes of the 5th Global WSSCC-Forum in Iguacu, Brazil organized by the Water Supply and Sanitation Collaborative Council (WSSCC) in December 2000 and basic material about their vision.

NETWAS – Network for Water and Sanitation

<http://www.netwasgroup.com/>

NETWAS is a capacity-building and information network for Africa focusing on water supply, sanitation and the environmental sector.

RUAF - Resource Centre on Urban Agriculture and Forestry

<http://www.ruaf.org/>

RUAF activities focus on facilitating the integration of urban agriculture into the policies and plans of city authorities and provides an extensive information service on urban agriculture issues.

The Green Living & Development Files

<http://www.earthlife.org.za/ghouse/gfiles/where/where6.htm#products>

The Green Living & Development Files site is part of the Greenhouse project. It contains a wide range of information about water and sanitation in South Africa

UNEP.Net – Freshwater Portal

<http://freshwater.unep.net/>

This site provides a wide range of information resources such as reports, events, case studies and documents about freshwater issues.

UNICEF – Water, Environment and Sanitation

<http://www.unicef.org/programme/wes/home.htm>

This site provides information, news and links on water, environment and sanitation

Urban Water Resources Management

<http://gdrc.org/uem/water/index.html>

The Urban Water Resource Management website – part of the site of the Global Development Research Center (GDRC) – is a comprehensive site including information and good links about water issues.

Water Demand Management Forum

<http://www.idrc.ca/waterdemand/>

The Water Demand Management Forum, part of the International Development Centre (IDRC), promotes water demand management strategies to decision-makers in the Middle East and North Africa.

WatsanWeb -

http://www.skat.ch/ws/link/watsan/WW_index.htm

This site deals with water and sanitation issues. It provides a large number of selected links from disaster relief to development cooperation.

WELL Resource Centre Network

<http://www.lboro.ac.uk/well/index.htm>

WELL is a resource centre network providing services and resources in water, sanitation and environmental health for the Department for International Development (DFID) of the British government and partner agencies.

The Water and Sanitation Program (WSP)

<http://www.wsp.org>

WSP is an international partnership of the world's leading development agencies concerned with water and sanitation services for the poor.

World Water Council (WWC)

<http://www.worldwatercouncil.org>

WWC promotes awareness of critical water issues at all levels, including the highest decision-making level, to facilitate efficient conservation, protection, development, planning, management and use of water in all its dimensions on an environmentally sustainable basis.

Homepage

Would you like to know more about GTZ's sectoral project ecosan or about the subject in general?

If so, visit our homepage (expansion and update in progress):

<http://www.gtz.de/ecosan>

Newsletter

If you would like to contact the administrators of this newsletter please send an e-mail to:

owner-ecosan@mailserv.gtz.de

Your proposals for contributions to the newsletter, and any inquiries and comments you may have are always welcome.

Contact

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Mailing list / Newsletter - user in- formation

How to use the ecosan mailing list

You can interact with the Majordomo software of our mailing list server by e-mailing commands to:

majordomo@mailserv.gtz.de

Commands must be the only text in the e-mail, and not as part of the subject line! You can send several commands in one and the same e-mail message. Just be sure to start a new line for each command.

If you attach a signature block to the end of your e-mailed messages, the Majordomo software could perhaps mistake it for another command, so please enter the word "end" by itself in the line below the last command.

Useful mailing-list commands:

subscribe ecosan

Use this command to subscribe to the ecosan mailing list

subscribe ecosan your.name@xy.org

Use this command to receive the newsletter at an address other than that listed in your registration (e.g., if you send the e-mail from your workplace account, but wish to have the newsletter sent to your private e-mail address).

unsubscribe ecosan

Use this command to cancel your subscription.

unsubscribe ecosan your.name@xy.org

Use this command to de-register your receiving address, if this differs from the one from which you are currently using to send the request.

info ecosan

Use this command to request general introductory information about the ecosan mailing list.

index ecosan

Use this command to obtain a list of files sent so far via the mailing list.

get ecosan <filename>

Use this command to obtain a specific file sent via the mailing list (e.g., an archived newsletter).

help

Use this command to obtain information on how to use the Majordomo software.

end

Use this command to terminate a list of commands, e.g., especially if your mailer attaches an automatic signature.