

**SOUTHERN AFRICA
& AFRICA 2003****ENVIRONMENTAL
COURSES**

A series of environmental courses on the new environmental law, implementing environmental management systems and audits, water quality management, environmental risk assessment, air quality management, the legal framework for managing water in South Africa, etc will be held throughout the year by CEM (the Centre for Environmental Management) at the University of Potchefstroom (PU for CHE).
Enquiries: Mrs Dydre Greeff/Mrs Madel Lottering.
Tel: (018) 299 2714 or (018) 299 2725. Fax: (018) 299-2726.
E-mail: aokdg@puknet.puk.ac.za or aokml@puknet.puk.ac.za
Web: www.puk.ac.za/education/shortcourses/environment.html

**ISO 14001
WATER RESOURCES
JULY 26 - AUGUST 1**

A special session, sponsored by the Water Research Commission, with the theme "Rangeland and Water Resources" is being convened during the 7th International Rangeland Congress which will be held at the International Convention Centre in Durban.
Enquiries: E-mail: delegates@sbconferences.co.za
Tel: 031 3032480.
Fax: 031 3129441.
Web: www.ru.ac.za/institutes/rgi/irc2003/IRC2003.htm

**HYDROLOGY
SEPTEMBER 3 - 5**

The 11th South African National Hydrology Symposium and workshop will be held at the PE Technikon in Port Elizabeth, Eastern Cape. The theme will be: "Water resources in Southern Africa – the future is not what it used to be!"
Enquiries: Juanita McLean.
Tel: (046) 6224014.
Fax: (046) 622 9427.

E-mail: juanita@iwr.ru.ac.za
Web: <http://www.ru.ac.za/institutes/iwr/SANCIAHS2003>

**IWA
SEPTEMBER 14 - 19**

The International Water Association (IWA) will host a regional conference in Cape Town with the theme: *Water as the key to sustainable development in Africa*. Simultaneously with this event, the IWA specialist group on biofilms and the specialist group on health related water microbiology will also be having their international specialist conferences.
Enquiries: Prof TE Cloete, IWSA National Committee.
E-mail: tecloete@postino.up.ac.za
Tel: (012) 420 3265.
Fax: (012) 420 3266.
Web: www.iwaconferences.co.za/

**WATER MICROBIOLOGY
SEPTEMBER 14 - 19**

An international symposium on health-related water microbiology will be held in Cape Town.
Enquiries: Ms Heidi Botha, Organising Committee, 2003 Cape Town Symposium (HRWM), Department of Virology, University of Pretoria.
Tel: (012) 319 2351.
Fax: (012) 325 5550.
E-mail: bothah@med.up.ac.za

**ENVIRONMENTAL
MANAGEMENT
OCTOBER 7 - 9**

A short course on environmental management will be held at the Post-Graduate Centre of the University of Pretoria.
Enquiries: Ms Marina Nell.
Tel: (012) 420 5010.
Fax: (012) 362 5285.
E-mail: marina.ce@up.ac.za

**WATER-RELATED
DISEASES
NOVEMBER 1 - 8**

The 1st annual international scientific conference on water-related diseases, sponsored by the Global Council on Water Diseases, will be held in Abuja, Nigeria.

Enquiries: Please visit the conference website:
<http://www.gcowd.com>

**MINE WATER
NOVEMBER 3 - 5**

A conference with the theme "Implementing sustainable development in mining: From talk to action" will be held at the Indaba Hotel in Sandton.
Enquiries: The Conference Administrator – attention: Ms Ammie Wissing, Conference Planners, PO Box 36782, Menlo Park 0102.
E-mail: wissing@iafrica.com
Tel: 012-348 4493.
Fax: 012-348 1563.

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**WATER SUPPLIERS
FEBRUARY 19 - 24**

The Union of African Water Suppliers (UAWS) will be holding its 12th bi-annual African congress in Accra, Ghana.
Enquiries: Mr Dennis D Mwanza, Water Utility Partnership (WUP), 05 BP 2642, Abidjan, Cote d'Ivoire.
Tel: +225 21 2408 28. Direct line: +225 21 2408 13. Cell: +225 07 0199 01. Fax: +225 21 75 8656/7.

OVERSEAS**GROUNDWATER
MAY - DECEMBER 2003**

The Centre for Groundwater Studies (CGS) in Australia will be organising short courses on groundwater related themes throughout the year. CGS courses can be counted towards a Master of Science in Groundwater Hydrology degree offered by Flinders University in Adelaide, Australia.
Enquiries: Trevor Pillar.
Tel: 61 8 8201 5632.
Fax: 61 8 8201 5635.
E-mail: cgsttraining@groundwater.com.au
Web: www.groundwater.com.au

**ACTIVATED SLUDGE
JULY 28 - AUGUST 1**

The 14th annual short course on the methodologies and labora-

tory techniques to generate process control parameters for operating an activated sludge process will be held in Estes Park, Colorado.

Enquiries: Thomas G Sanders, Course Director, Department of Civil Engineering, Colorado State University, Fort Collins, CO 80523.
Fax: (970) 491 7727.
Tel: (970) 491 5448.
E-mail: TGS@engr.colostate.edu
Web: <http://www.engr.colostate.edu/depts/ce/>

**BASIN MANAGEMENT
AUGUST 17 - 22**

The 7th International Conference on Diffuse Pollution and Basin Management will be held in Dublin, Ireland.
Enquiries: IWA Conference Secretariat, Centre for Water Resources Research, Civil Engineering Department, University College Dublin, Earlsfort Terrace, Dublin 2, Ireland.
Tel: 00 353 1 7167 499.
Fax: 00 353 1 7167399.
E-mail: dipcon@ucd.ie
Web: www.ucd.ie/~dipcon/dipcon.htm

**BIOFILM SYSTEMS
SEPTEMBER 2003**

The 5th International Conference on Biofilm Systems will be held in Noordwijkerhout, the Netherlands.
Enquiries: Mark van Loosdrecht, TU-Delft, Julianalaan 67, 2628 BC Delft, the Netherlands.
Tel: +31 15278 1618.
Fax: +31 152 78 2355.
E-mail: m.c.m.vanloosdrecht@tnw.tudelft.nl

**WASTEWATER
PLANTS
SEPTEMBER 1 - 4**

The 9th Conference on the Design, Operation and Costs of Large Wastewater Treatment Plants will take place in Prague, Czech Republic.
Enquiries: Prof Dr Jiri Wanner, Dept of Water Technology and Environmental Engineering, Prague Institute of Chemical Technology, Technicka 5, CZ-

166 28 Praha 6, Czech Republic.
Tel: +420 2243 53149.
E-mail: jiri.wanner@vscht.cz

IRRIGATION SEPTEMBER 1 - 5

The 4th International Symposium on Irrigation of Horticulture Crops will be held in Davis, California, USA.
Enquiries: Conference & Event Services, One Shields Avenue, Davis, CA 95616, USA. Fax: (530) 752 5791. Webpage: <http://www.cevs.ucdavis.edu>

OZONE SEPTEMBER 1 - 5

The 16th Ozone World Congress will be held in Las Vegas, Nevada, USA.
Enquiries: GDT Corporation, Phoenix, AZ 85027.
Tel: (623) 587 8858.
Fax: (623) 587 1511.
Web: www.gdt-h2o.com

RIVER MANAGEMENT SEPTEMBER 2 - 5

The 6th International River Management Symposium with the theme – Urban rivers: balancing the expectations – will be held in Brisbane, Queensland, Australia. The symposium brings together world authorities to share the world's best practise in river management issues, including river ecology, land use planning, community partnerships, institutional arrangements, economics, coastal systems, engineering and technology.
Enquiries: Mr Stephen Nelson.
Tel: +61(0)7 3846 7444.
Fax: +61(0)7 3846 7660.
E-mail: symposium@riverfestival.com.au

WATER USE SEPTEMBER 3 - 5

The 6th inter-regional conference on land and water use planning and management will be held in Albacete, Spain.
Enquiries: Dr Antonio Brasa-Ramos.
Tel: +34 967 599 200.
Fax: +34 967 599 238.
E-mail: Antonio.Brasa@uclm.es
Web: <http://crea.uclm.es/congreso.html>

SINKHOLES SEPTEMBER 6 - 10

The 9th multidisciplinary conference on sinkholes and the engineering and environmental impacts of Karst will be held in Huntsville, Alabama, USA.
Enquiries: ASCE.
Tel: 1-703 295 6300.
E-mail: conferences@asce.org
Web: <http://www.asce.org/conferences/karst2003/index.cfm>

WATER INFORMATION SEPTEMBER 9 - 12

The 6th water information summit with the theme: "Breaking the barriers – Let water information flow" – will be held in Delft, the Netherlands.
Enquiries: Ms Ingeborg Krukkert (IRC), PO Box 2869, 2601 CW Delft, the Netherlands.
Tel: +31 15219 2985.
Fax: +31 15219 0955.
E-mail: wis6delft@irc.nl
Web: www.irc.nl/news/wis6.html

DRAINAGE SEPTEMBER 10 - 13

The 9th international drainage workshop - drainage for a secure environment and food supply - will be held in Utrecht, the Netherlands.
Enquiries: Alterra-ILRI, PO Box 47, 6700 AA Wageningen, the Netherlands.
Tel: +31 317 495 549.
Fax: +31 317 495 590.
E-mail: drainage2003@ilri.agro.nl or ilri@ilri.nl

ODOUR CONTROL SEPTEMBER 14 - 17

The second IWA international conference on the development of odour measurement, regulation and control techniques will be held in Singapore.
Enquiries: Ms Tan Kim Suan, Corporate Communications Manager, Institute of Environmental Science & Engineering Innovation Centre (NTU), Block 2, Unit 237, 18 Nanyang Drive, Singapore 637723.
Tel: +65 6794 1533/1534.
Fax: +65 67921291.
E-mail: KSTAN@ntu.edu.sg or KSTAN@iese.ntu.edu.sg

Web: www.eti.org.sg or www.iese.ntu.edu.sg

WETLANDS SEPTEMBER 14 - 17

The 8th symposium on the biogeochemistry of wetlands will be held at Ghent University in Belgium.
Enquiries: Saskia van der Looven, Ghent University, Het Pand, Onderbergen 1, B-9000, Ghent, Belgium.
Tel: +32 9 264 6001.
Fax: +32 9 264 6230.
E-mail: Saskia.Vanderlooven@rug.ac.be
Web: <http://allserv.rug.ac.be/~janverme/Wetlands/>

ICID SEPTEMBER 14 - 19

The 54th IEC meeting and 20th ICID regional conference on irrigation and drainage will be held in Montpellier, France.
Enquiries: Mr Francois Lacroix, AFEID, Parc de Tourvoie, 92160 Antony, France.
Tel: +33 01 40 966197.
Fax: +33 01 40 966196.
E-mail: francois.lacroix@cemagref.fr
Web: <http://afeid.montpellier.cemagref.fr/cei2003.htm>

WATER MANAGEMENT SEPTEMBER 15 - 18

The Monitoring Tailor-Made IV conference will be held in St Michielsgestel, the Netherlands. The conference deals with strategies and practices for the collection and dissemination of information in support of integrated water resources management.
Enquiries: The Conference Secretariat, IWAC (International Water Assessment Centre), PO Box 17, 8200 AA Lelystad, the Netherlands. Tel: +31 320 298 894. Fax: +31 320 297 642. E-mail: mtm@riza.rws.minvenw.nl
Web: <http://www.mtm-conferen.nl>

FRACTURED ROCKS SEPTEMBER 15 - 19

A conference on groundwater in fractured rocks will be held in Prague, Czech Republic. The

conference is organised by the IAH Working Group on hard rock hydrogeology.
Enquiries: Jiri Krasny.
E-mail: krasny@natur.cuni.cz
Web: <http://www.natur.cuni.cz/gwfr2003>

HYDROLOGY SEPTEMBER 16 - 19

An international conference on GIS and remote sensing in hydrology, water resources and the environment will be held at the Three Gorges Dam Site in China.
Enquiries: Prof Yangbo Chen, Department of Water Resources and Environment, Sun Yat-Sen University, 135 Xingangxi Road, Guangzhou, China 510275.
Fax: +86 203402 2397.
E-mail: eescyb@zsu.edu.cn
Web: www.hydroinfor.zsu.edu.cn/

GROUNDWATER SEPTEMBER 17 - 19

The international groundwater modelling centre (IGMC) will present a short course - MODFLOW and More 2003: Understanding through Modelling - in Golden, Colorado, USA.
Enquiries: IGMC.
Tel: +1 303 273 3103.
Fax: +1 303 384 2037.
E-mail: igwmc@mines.edu

DESALINATION SEPTEMBER 28 - OCTOBER 2

The International Desalination Association's conference and workshop on integrated membrane systems for brackish water, seawater and wastewater desalination will be held in Paradise Island, Bahamas.
Enquiries: AMTA/IDA.
Tel: 760 643 1750.
Fax: 760 643 1761.
E-mail: amtaorg@aol.com
Web: www.membranes-amta.org

BENCHMARKING SEPTEMBER 29 - OCTOBER 2

A conference on the global developments in water industry performance benchmarking will take place in Perth, Australia.

Enquiries: Office of Water Regulation.
Tel: +61 (08) 9213 0100.
E-mail: benchmarkingwater@wrc.wa.gov.au
Web: www.wrc.wa.gov.au/owr/

SEDIMENTS

SEPTEMBER 30 - OCTOBER 3

The 2nd international conference on the remediation of contaminated sediments will take place at the Palazzo del Cinema, on the island of Lido, Venice, Italy. Enquiries: The Conference Group, 1580 Fishing Road, Columbus, OH 43221, USA. Tel: 614 488 2030. Fax: 614 488 5747. E-mail: info@confgroupinc.com Web: <http://www.battelle.org/environment/er/conferences/sedimentscon/default.stm>

WATER RESOURCES

OCTOBER 5 - 9

The 11th world congress on water resources - Water Resources Management in the 21st Century will be held in Madrid, Spain. Enquiries: E-mail: wwater2003@cedex.es Web: www.cedex.es/iwracongress2003/

WASTE MANAGEMENT

OCTOBER 6 - 10

The 9th international waste management and landfill symposium will be held in Cagliari, Sardinia, Italy. Enquiries: Professor R Cossu, Image Department, University of Padova, Via Loredan 20, 35131 Padova, Italy. Tel: +39 049 8726986. Fax: +39 049 8726987. E-mail: eurowaste@tin.it or info@sardiniasymposium.it

WEFTEC 2003

OCTOBER 11 - 15

The Water Environment Federation's 76th annual technical exhibition and conference will be presented in Los Angeles, California, USA. Enquiries: WEF. Tel: 1-703 684 2452.

Fax: 1-703 684 2401.
E-mail: confinfo@wef.org
Web: <http://www.weftec.org/>

CONTAMINATED SOILS

OCTOBER 20 - 23

The 19th annual international conference on contaminated soils, sediments and water will take place at the University of Massachusetts in Amherst, MA, USA. Enquiries: Denise Leonard. Tel: 413 545 1239. E-mail: info@UMassSoils.com Web: <http://www.UMassSoils.com>

WASTEWATER

NOVEMBER 12 - 14

The 4th international symposium on wastewater reclamation and reuse will be held in Mexico City, Mexico. Enquiries: Blanca Jimenez, Instituto de Ingenieria, UNAM, Apartado Postal 70-472, Ciudad Universitaria, 04510, Mexico, DF. Fax: +525 622-3433. Email: iwa@pumas.ingen.unam.mx Web: <http://www.iwahq.org.uk/template.cfm?name=wwrr4>

GROUNDWATER

DECEMBER 9 - 12

The National Groundwater Association's 2003 Ground Water Expo will be presented in Orlando, Florida, USA. Enquiries: NGA, Dept 481, Columbus, OH 43265-0481. Tel: 800 551 7379/614 8987791. Fax: (614) 898 7786. E-mail: ngwa@ngwa.org Web: <http://www.ngwa.org/convention/national.html#2003>

WATER HISTORY

DECEMBER 11 - 14

The 3rd conference of the international water history association will be held in Cairo, Egypt. Enquiries: Aliv Terje Fotland. Tel: +47 55 589315. Fax: +47 55 589892. E-mail: a.fotland@iwaha.net Web: <http://www.iwaha.net/>

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WASTEWATER

JANUARY 26 - 29

A conference on wastewater treatment for nutrient (nitrogen and phosphorus) removal and reuse will be held in Bangkok, Thailand. Enquiries: Dr Ajit Annachatre, School of Environment, Resources and Development, Asian Institute of Technology, PO Box 4 Klong Luang, Pathumthani 12120. Tel & Fax: 662 524 5644. E-mail: ajit@ait.ac.th

DRAINAGE

MARCH 21 - 24

The 8th international drainage symposium together with the 10th national symposium on individual and small community sewage systems, will be held in Sacramento, California, USA. Enquiries: American Society of Agricultural Engineers, 2950 Niles Road, St Joseph, MI 49085. Tel: 269 429 0300. Fax: 269 429 3852. E-mail: AS31@umail.umd.edu Web: <http://www.asae.org/meetings/sew04/index.html>

AUTOMONET

APRIL 19 - 20

An international conference on automation in water quality monitoring - networks for surveillance, early warning and process control strategies and techniques of real time water quality assessment - will be held in Vienna, Austria. Enquiries: Bernadette Ebner, KUONI Incoming Service GmbH, Währinger Str 2-4/40, A-1090, Vienna, Austria. Tel: +43(0)1 319 7690-26. Fax: +43(0)1 3191180. E-mail: bernadette.ebner@kuoni.at

FILTRATION

APRIL 19 - 23

The 9th world filtration congress, sponsored by the American Filtration and Separations Society, will be held in New Orleans, Louisiana, United States.

Enquiries: Ms Kathy Hemming. Tel: 1 703 538 1000. Fax: 1 703 538 6305. E-mail: Kathleen.hemming@verizon.net Web: www.afssociety.org

PIPES

APRIL 19 - 22

A conference called Plastic Pipes XII will be held in Milan, Italy. Enquiries: Michael Ball, PPI. Tel: (202)462 9607. E-mail: mball@plasticpipe.org Web: www.plasticpipe.org

WATERSHED 2004

JULY 11 - 14

The Water Environment Federation (WEF) will sponsor an international speciality conference in Dearborn, Michigan, USA, on integrated resource management and environmental protection using watershed approaches. Enquiries: WEF, 601 Wythe Street, Alexandria, VA 22314-1994, USA. Tel: 703 684 2400 x 7010. E-mail: watershed04@wef.org

HYDROLOGY

JULY 12 - 16

This conference - Hydrology: Science and Practice for the 21st Century - will be held in London, United Kingdom, and is designed to bring together hydrologists involved in scientific research and operational practice to address key issues affecting hydrology in the new century. Enquiries: For more information, please visit the website: www.hydrology.org.uk/bhs2004/welcome.htm

WORLD WATER

SEPTEMBER 20 - 24

The International Water Association (IWA) will hold its 4th world water congress in Marrakesh, Morocco. Enquiries: AMEPA. Tel: +212 3763 2093. Fax: +212 3763 7682. E-mail: sehi@elan.net.ma Web: <http://www.iwahq.org.uk/>