

Groundwater Short Courses 2009

Australia – New Zealand



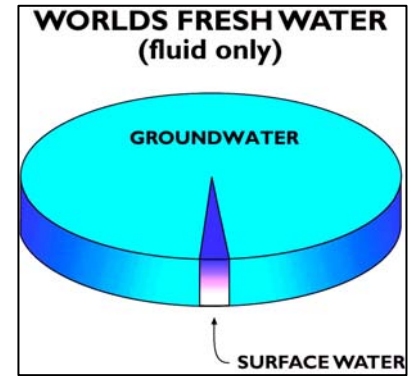
Centre for
Groundwater Studies

The aim of the Centre for Groundwater Studies (CGS) **Groundwater Short Course Program** is to improve understanding of groundwater as a key natural resource. Since its inception in 1988 the CGS Groundwater Short Course Program has contributed significantly to the national awareness of the environmental impacts of groundwater processes including recharge, discharge, contamination, remediation and management.

CGS' collaborative programs address a clear need by industry, government and the community for a greater awareness of the way groundwater behaves, and how it can be better managed and protected. The Groundwater Short Course Program endeavours to extend education beyond **professional development** for groundwater industry staff to include: technicians, non-specialists, environment community groups and all who are working in land and water management.

In consultation with our associates in industry and government, an annual program of **fundamental** and **specialist** groundwater short courses is offered to cater for a wide range of attendees.

Fundamental courses are: Getting to Know Groundwater and Surfacewater; Australian Groundwater School.
Specialist courses include: Groundwater Contamination; Groundwater Modelling; Aquifer Recharge.



Endorsed by:

National Groundwater
Working Group

NCGRT



This program is driven by Industry demand. We welcome enquiries for new courses, with options for tailored content and location.

1 st Landfills and Contaminated Lands: <i>Risk Assessment and Groundwater Management</i> - Initiated by VIC EPA Mick Bourke Chair EPA Vic, Charles Lawrence Melb Uni, Noel Merrick UTS, Anthony Lane Lane Piper, Terry Flynn Southern Rural Water, Howard Fallowfield Flinders Uni, Greg Davis CSIRO, Roger Parker Golder Associates, Kapila Bogoda, Colin McIntosh Vic EPA, Chris McAuley DSE, Rod Harwood WSP Environmental-NSW, Ravi Naidu CRC CARE, Peter Nadebaum GHD Vic	Monday 16 – Friday 20 March 2009 Novotel Melbourne on Collins, 270 Collins Street, Melbourne	VIC
19 th Getting To Know Groundwater and Surfacewater Colin Hazel MatrixPlus, Rob Ellis DNRW, Greg Hausler EHA	Wednesday 1 – Friday 3 April 2009 Mantra Legends Hotel, Surfers Paradise	QLD
3 rd FEFLOW Groundwater Modelling Course Peter Schätzl FEFLOW, WASY GmbH, Institute for Water Resources Planning & Systems Research Berlin	Tuesday 21 – Friday 24 April 2009 Kings Perth Hotel, 517 Hay St, Perth	WA
4 th FEFLOW Groundwater Modelling Course Peter Schätzl FEFLOW, WASY GmbH, Institute for Water Resources Planning & Systems Research Berlin	Tuesday 28 April – Friday 1 May 2009 PB, L 27, Ernst & Young Ctr, 680 George St, Sydney NSW	NSW
20 th Getting To Know Groundwater and Surfacewater Honourable Dr Graham Jacobs Minister for Water - WA Govt, Tony Laws, Phil Commander, Peter Muirden, Susan Worley, Tim Sparks, Greg May, Geoff Sadgrove, Ryan Bacich WA Dept of Water, Kathryn Rozlapa Aquaterra, John McAvan Water Corporation WA, Ray Freund ECU, Steve Appleyard WA Dept of Env & Conservation	Wednesday 27 – Friday 29 May 2009 Kings Perth Hotel, 517 Hay St, Perth	WA
3 rd Groundwater Model Calibration - Parameter Estimation & Uncertainty Analysis using PEST John Doherty Watermark Numerical Computing	Tuesday 2 – Friday 5 June 2009 Mantra Legends Hotel, Surfers Paradise,	QLD
8 th Soil and Groundwater Pollution: <i>Characterisation, Remediation and Risk Management</i> Bernie Kueper Queen's Uni Canada, David Reynolds UWA, David Thomas Chevron	Tuesday 9 – Friday 12 June 2009 Mantra Legends Hotel, Surfers Paradise	QLD
2 nd Groundwater for Decision Makers - Initiated by NWC & MDBA Tony Laws, WA Dept of Water, Baskaran Sundaram, Ross Brodie, Geoscience Australia, Rick Evans SKM, Janice Gray, UNSW Law School, Peter Hyde NWC, Rebecca Nelson MDBA, George Gates, Mike Williams, NSW Dept Water & Energy	Tuesday 30 th June , 2009 Waldorf Canberra NWC & MDBA Staff	ACT
1 st MIKE SHE Integrated Surfacewater-Groundwater Modelling Workshop Douglas Graham, Graeme Cox DHI Water Environment Health	Tuesday 14 - Friday 17 July 2009 Mantra Legends Hotel, Surfers Paradise	QLD
21 st Getting to Know Groundwater and Surfacewater Peter Jolly NT Groundwater Consultant, Tony Laws WA Dept of Water, Greg Davis, Tony Smith CSIRO, Anthony Lane Lane Piper, Steven Tickell NRETAS, Dean Moliere BoM	Wed 29 – Fri 31 July 2009 Crown Plaza, 32 Mitchell St, Darw	FULL
37a Mekong Australian Groundwater School: - Initiated by ICEwaRM Colin Hazel Matrix Plus, Tony Laws WA Dept Water, Greg Hausler EHA, Rob Ellis DNRW, Simon Toze CSIRO	Mon 10 – Fri 14 Aug, 2009 Mantra Legends Hotel, Surfers Paradise	QLD
11 th Australian Groundwater Modelling School: <i>Concepts; Application Visual MODFLOW; PEST</i> Noel Merrick UTS-NCGM, John Doherty WNC, Miln Harvey Schlumberger	Tuesday 18 - Friday 21 Aug 2009 Mantra Legends Hotel, Surfers Paradise	QLD
3 rd NZ Groundwater Modelling School: <i>Concepts; Application Visual MODFLOW; PEST</i> Noel Merrick UTS-NCGM, Miln Harvey Schlumberger	Tuesday 25 - Friday 28 Aug 2009 Mancan House, Christchurch	CANCELLED NZ
37 th Australian Groundwater School Tony Laws WA Dept of Water, Andrew Love Flinders Uni, Rick Evans SKM	Monday 21– Friday 25 Sept 2009 Hyatt Regency Adelaide, North Tce, Adelaide	SA
3 rd Groundwater for Decision Makers - Initiated by NWC Tony Laws, WA Dept of Water, Baskaran Sundaram, Ross Brodie, Geoscience Australia, Rick Evans SKM, Peter Hyde NWC, George Gates, Mike Williams, NSW Dept Water & Energy	Wed 7 th Oct 2009 Rydges Hotel Resort, 1 London Circuit, Canberra City	ACT
4 th NZ Getting to Know Groundwater and Surfacewater - Initiated by NZ Hydrology Society Paul White GNS-NZ, Howard Williams, Tim Davie Environment Canterbury, Graham Fenwick NIWA, Mike Scarsbrook NIWA, Chris Daughney GNS, David Scott Environment Canterbury	Wednesday 21 – Friday 23 Oct 2009 Novotel Rotorua Lakeside, Lake End Tutanekai St, Rotorua	NZ
38 th Australian Groundwater School Tony Laws Dept Water WA, Ludovic Schmidt, Imogen Fullagar, Miladin Latinovic DPIW-Tas	Monday 9 – Friday 13 Nov 2009 Hobart Function & Conf Centre, Hobart	TAS

NB: Course Fees include: Tutoring, Notes, Morning Teas, Lunches, Afternoon Teas.

See Registration Form on next page

Presenters: Lectures, field demonstrations and tutorials are given by: leading groundwater professionals, experienced hydrogeologists, specialists in both public and private practise; from industry, universities and research agencies.

Attendees: Course attendees come from many areas including: research, engineering, water policy and management, environmental consulting, mining, hydrogeology, agriculture, environmental science, community environment groups, farming and education. Indicative sending organisations include: **WA Dept Water, SA DWLBC, Sydney Water, Melbourne Water, WA Water Corporation, Qld EPA, Qld Dept NRW, Vic EPA, Local Government Authorities, Environmental Consultants, NWC, MDBA.**



Mr T. Pillar
CGS Business Manager

“Groundwater will be an enduring gauge of this generation’s intelligence in water and land management” Anon.

Registration Form/Tax Invoice

2009



Please register early by sending this form to: **FAX: +61 8 8201 5635**

TITLE:..... **FIRST NAME:**..... **SURNAME:**..... WEB
EMAIL:.....
JOB TITLE:.....
COMPANY / DEPARTMENT:.....
ADDRESS (Postal):.....
CITY:..... **COUNTRY/STATE:**..... **POSTCODE:**.....
PH:..... **FAX:**.....
WEB:.....
 Please provide any dietary requirements:.....

COURSE DETAILS		AUS\$ Includes GST Please tick boxes
1	1st Landfills & Contaminated Lands Mon 16 – Fri 20 March 2009, Novotel Melbourne on Collins, Melbourne <i>Initiated by VIC EPA</i> VIC <i>Late fee after Friday 6 February</i>	<input type="checkbox"/> 2200 <input type="checkbox"/> 110
2	19th Getting To Know Groundwater and Surfacewater Wed 1– Fri 3 April 2009, Mantra Legends Hotel, Surfers Paradise <i>Late fee after Friday 27 February</i> QLD	<input type="checkbox"/> 970 <input type="checkbox"/> 110
3	3rd FEFLOW Groundwater Modelling Course* Tues 21 – Fri 24 April 2009 Kings Perth Hotel, Perth <i>Late fee after Friday 20 March</i> WA	<input type="checkbox"/> 2200 <input type="checkbox"/> 110
4	4th FEFLOW Groundwater Modelling Course* Tues 28 April – Fri 1 May 2009 PB, Sydney <i>Late fee after Friday 27 March</i> NSW	<input type="checkbox"/> 2200 <input type="checkbox"/> 110
5	20th Getting to Know Groundwater & Surfacewater Wed 27 – Fri 29 May 2009 Kings Perth Hotel, Perth <i>Late fee after Friday 24 April</i> WA	<input type="checkbox"/> 970 <input type="checkbox"/> 110
6	3rd Groundwater Model Calibration* Tues 2 – Fri 5 June 2009 Mantra Legends Hotel, Surfers Paradise <i>Late fee after Friday 1 May</i> QLD	<input type="checkbox"/> 1650 <input type="checkbox"/> 110
7	8th Soil & Groundwater Pollution Tues 9 – Fri 12 June 2009 Mantra Legends Hotel, Surfers Paradise <i>Late fee after Friday 8 May</i> QLD	<input type="checkbox"/> 2490 <input type="checkbox"/> 110
8	2nd Groundwater Decision Makers Tues 30 June , 2009 Waldorf on London, Canberra <i>Initiated by NWC & MDBA</i> ACT	Enquiries Welcome
9	1st MIKE SHE Integrated Surfacewater-Groundwater Modelling Workshop* Tues 14 – Fri 17 July 2009 Mantra Legends Hotel, Surfers Paradise <i>Late fee after Friday 12 June</i> QLD	<input type="checkbox"/> 2200 <input type="checkbox"/> 110
10	21st Getting to Know Groundwater and Surfacewater Wed 29 – Fri 31 July 2009 Crowne Plaza, Darwin <i>Late fee after Friday 26 June</i> NT	FULL
11	37a Mekong Australian Groundwater School Mon 10 – Fri 14 Aug , 2009 Gold Coast International, Surfers Paradise <i>Initiated by ICEWaRM</i> QLD	Enquiries Welcome
12	11th Australian Groundwater Modelling School* Tues 18 – Fri 21 Aug 2009 Mantra Legends Hotel, Surfers Paradise <i>Late fee after Friday 17 July</i> QLD	<input type="checkbox"/> 2200 <input type="checkbox"/> 110
13	3rd NZ Groundwater Modelling School* Tues 25 – Fri 28 Aug 2009 Mancan House, Christchurch <i>Late fee after Friday 24 July</i> NZ	CANCELLED
14	37th Australian Groundwater School Mon 21– Fri 25 Sept 2009 Hyatt Regency Adelaide, Adelaide <i>Includes Tues Dinner Study Tour, Saturday 26 Sept, 2009</i> <i>Late fee after Friday 21 August</i> SA	<input type="checkbox"/> 1990 <input type="checkbox"/> 110 <input type="checkbox"/> 110
15	3rd Groundwater for Decision Makers Wed 7 th Oct 2009 Rydges Hotel Resort, 1 London Circuit, Canberra City <i>Initiated by NWC</i> <i>Late fee after Friday 4 Sept</i> TAS	<input type="checkbox"/> 880 <input type="checkbox"/> 110
16	4th NZ Getting to Know Groundwater and Surfacewater Wed 21 – Fri 23 Oct 2009, Novotel Rotorua Lakeside, Rotorua <i>Initiated by NZ Hydrology Society</i> <i>Late fee after Friday 18 September</i> NZ	<input type="checkbox"/> 880^ <input type="checkbox"/> 100^
17	38th Australian Groundwater School Mon 9 – Fri 13 Nov 2009 Hobart Conf Centre, Hobart <i>Includes Tues Dinner Study Tour, Saturday 14 Nov 2009</i> <i>Late fee after Friday 9 October</i> TAS	<input type="checkbox"/> 1990 <input type="checkbox"/> 110 <input type="checkbox"/> 110
Less (choose 1 option only): <input type="checkbox"/> 5% discount on <u>Course Fee only</u> for IAH, AWA, NZHS, SIA, ACLCA Members (Member No.....) <input type="checkbox"/> 10% discount on <u>Course Fee only</u> for CGS Partner Staff (Partner name.....) <input type="checkbox"/> 15% discount on <u>Course Fee only</u> for Full-time Students (Institution name.....)		\$.....
*Own laptop computer required, more details available in course outline available at: www.groundwater.com.au * ^Australian GST is exempt for courses held in New Zealand^		TOTAL AU\$.....

PAYMENT – Please select payment method below: ABN: 65 542 596 200

1. Credit Card Please debit my: Bankcard Visa Mastercard
 Card Number: _____ Expiry Date:...../.....
 Cardholder's Name..... Signature.....

2. Cheque Payable to: “Centre for Groundwater Studies”
 Addressed to: Centre for Groundwater Studies, GPO Box 2100, ADELAIDE SA 5001, Australia

3. Please send me a Tax Invoice

Terms, Conditions, Transfers and Cancellations for all Centre for Groundwater Studies (CGS) Short Courses:

1. A CONFIRMATION letter will be sent to all participants prior to a course. Participants must have received their confirmation letter before attending a course.
 2. A TRANSFER of your registration to a different course must be made in writing. This will incur an additional administration fee of \$220.
 3. CANCELLATIONS must be made in writing. Then the following terms will apply:
 a. Less than 3 business days before a course: No refund.
 b. Between 3 business days and 3 weeks before a course: 50% refund.
 c. More than 3 weeks before a course: Refund of the course fee minus an administration fee of \$220.
 d. However to avoid loss of the course and administration fees, a substitute attendee is welcome, by submitting a new Registration Form.
 4. If attendees CANCEL Field Trips or Dinners, generally no refund will be paid.
 5. While every attempt will be made to deliver courses as advertised, we reserve the right to cancel a course at short notice for conditions beyond our control. Notification of any such cancellation will attract a refund.

Endorsed by the Australian National Groundwater Working Group