

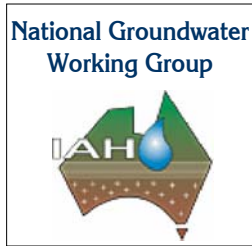
Groundwater Industry Training 2010

Australia – New Zealand

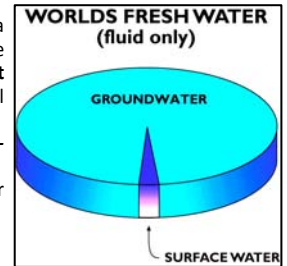
National Centre for
Groundwater Research and Training
Sustaining a vital water resource



Welcome to the **2010 Groundwater Industry Training Program**. It is my great privilege to once again introduce you to the Program and Presenters for 2010. The aim of this short course Program is to increase understanding of groundwater processes including recharge, discharge, contamination, remediation and management. This Program, formerly managed with outstanding success for over twenty years under the Centre for Groundwater Studies (CGS), will continue to be managed by the *same staff on the same business model*, but now under the National Centre for Groundwater Research and Training (NCGRT). We will now be known as: [NCGRT Groundwater Industry Training](#) and will continue to be a not-for-profit operation, financially supporting Scholarships and Course Development.



NCGRT's 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 Industry Training 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 partners and 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 include: Getting to Know Groundwater and Surfacewater; Australian Groundwater School. **Specialist** courses include: Groundwater Hydrochemistry; Groundwater Contamination and Remediation; Groundwater Modelling; Managed Aquifer Recharge; Desalination.



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

1 st Australian Desalination School PRESENTERS INCLUDE: David H Paul <i>DHP Inc</i> , John Radcliffe <i>CSIRO</i> , Gary Crisp <i>GHD</i> , Matt Politzi <i>Osmoflo</i> , David Stolz <i>Qld Dept Infrastructure</i> , Ralph Burch <i>SKM</i> , Tim Morrison, <i>Aust National Centre for Excellence in Desalination</i>	Mon 15 - Fri 19 March 2010 Sofitel Gold Coast , Broadbeach	QLD
2 nd Australian Desalination School PRESENTERS INCLUDE: David H Paul <i>DHP Inc</i> , John Radcliffe <i>CSIRO</i> , Gary Crisp <i>GHD</i> , Matt Politzi <i>Osmoflo</i>	Mon 22 - Fri 26 March 2010 Novotel, Perth	WA
4 th Groundwater for Decision Makers: <i>Policy, Legal, Planning</i> PRESENTERS INCLUDE: Tony Laws, John Ruprecht, John Roberts, Susan Worley <i>WA Dept of Water</i> , Rick Evans <i>SKM</i> , Peter Hyde <i>NWC</i> , Steve Appleyard <i>DEC</i> , Alex Gardner <i>UWA</i> , Janice Gray <i>UNSW</i>	Initiated by WA DoW, NWC & MDBA Tues 30 March 2010 Novotel, Perth	WA
22 nd Getting to Know Groundwater and Surfacewater PRESENTERS INCLUDE: Colin Hazel <i>Groundwater Engineer Qld</i> , Jeff Lloyd <i>Hydrogeologist Qld</i>	Initiated by DERM Qld Tues 13 - Thurs 15 April 2010 RSL Hall, Charleville	QLD
23 rd Getting to Know Groundwater and Surfacewater PRESENTERS INCLUDE: Tony Laws, Susie Williams, Louise Stelfox, Duncan Palmer <i>WA Dept of Water</i>	Initiated by DoW, WA Wed 5 - Fri 7 May 2010 Mercure, Broome	WA
39 th Australian Groundwater School PRESENTERS INCLUDE: Colin Hazel <i>Qld GW Engineer</i> , Ian Acworth <i>UNSW</i> , Tony Laws <i>WA Dept of Water</i> , George Gates, Michael Williams <i>NSW Dept Water & Energy</i>	Mon 24 - Fri 28 May 2010 Mercure, Sydney	NSW
5 th Groundwater for Decision Makers: <i>Policy, Legal, Planning</i> PRESENTERS INCLUDE: Tony Laws, <i>WA Dept of Water</i> , Rick Evans <i>SKM</i> , Peter Hyde <i>NWC</i> , George Gates <i>NSW Dept Natural Resources</i> , Alex Gardner <i>UWA</i> , Janice Gray <i>UNSW</i>	Initiated by NWC & MDBA Wed 23 June 2010 Mercure, Sydney	NSW
6 th Groundwater for Decision Makers: <i>Policy, Legal, Planning</i> PRESENTERS INCLUDE: Tony Laws, <i>WA Dept of Water</i> , Rick Evans <i>SKM</i> , Peter Hyde <i>NWC</i> , Alex Gardner <i>UWA</i> , Janice Gray <i>UNSW</i>	Initiated by NWC & MDBA Wed 14 July 2010 Novotel on Collins, Melbourne	VIC
12 th Australian Groundwater Modelling School: <i>Concepts, GW Vistas, Model Calibration and Uncertainty Analysis PEST</i> PRESENTERS INCLUDE: Noel Merrick <i>Heritage Computing</i> , John Doherty <i>WNC</i> , Jim Rumbaugh <i>ES</i>	Tues 27 - Fri 30 July 2010 Novotel on Collins, Melbourne	VIC
7 th Groundwater for Decision Makers: <i>Policy, Legal, Planning</i> PRESENTERS INCLUDE: Tony Laws, <i>WA Dept of Water</i> , Rick Evans <i>SKM</i> , Peter Hyde <i>NWC</i> , Alex Gardner <i>UWA</i> , Janice Gray <i>UNSW</i>	Initiated by NWC & MDBA Wed 4 Aug 2010 Novotel Atrium, Darwin	NT
5 th NZ Getting to Know Groundwater and Surfacewater PRESENTERS INCLUDE: Chris Daughney Paul White, Gil Zemansky <i>GNS NZ</i> , Neil Power <i>DWLBC</i> ; Colin Hazel <i>Qld GW Engineer</i> , Tony Laws <i>WA DoW</i> , Tim Davie <i>Environment Canterbury</i> , Graham Fenwick, Mandy Meriano, Mike Scarsbrook <i>NiWA</i>	Initiated by NZ Hydrogeological Society Wed 25 - Fri 27 Aug 2010 All Seasons, Christchurch	NZ
24 th Getting to Know Groundwater and Surfacewater PRESENTERS INCLUDE: Tony Laws <i>WA Dept of Water</i> , Colin Hazel, <i>Qld GW Engineer</i> , Greg Hausler <i>EHA Pty Ltd</i> , Peter Muirden <i>WA DoW</i>	Initiated by SA DWLBC Wed 15 - Fri 17 Sept 2010 Rockford Hotel, Adelaide	SA
3 rd Hydrochemistry and Environmental Isotopes Workshop PRESENTERS INCLUDE: Andrew Love <i>Flinders University</i> , Paul Shand <i>CSIRO</i>	Wed 29 Sept - Fri 1 Oct 2010 Stamford Grand, Glenelg	SA
40 th Australian Groundwater School PRESENTERS INCLUDE: Tony Laws, Phil Commander, Peter Muirden, Susan Worley, Tim Sparks <i>WA Dept of Water</i> , Colin Hazel <i>Qld</i> , Ray Froend <i>ECU</i> , Steve Appleyard <i>WA Dept of Env & Conservation</i>	Mon 11 - Fri 15 Oct 2010 Novotel, Perth	WA
1 st National Surfacewater-Groundwater Field Methods School PRESENTERS INCLUDE: Ian Acworth <i>NCGRT- UNSW</i> ; Martin Andersen, Wendy Timms, Bryce Kelly, Mathew Macabe, Hamish Studholme, Anna Greve <i>UNSW</i>	Initiated by UNSW Mon 8 - Fri 12 Nov 2010 UNSW Farm, Wellington	NSW
9 th Soil and Groundwater Pollution: <i>Characterisation, Remediation and Risk Management</i> PRESENTERS INCLUDE: Bernie Kueper <i>Queen's Uni Canada</i> , David Reynolds <i>UWA</i> , David Thomas <i>Chevron</i>	Mon 15 - Thur 18 Nov 2010 Novotel, Perth	WA
10 th Soil and Groundwater Pollution: <i>Characterisation, Remediation and Risk Management</i> PRESENTERS INCLUDE: Bernie Kueper <i>Queen's Uni Canada</i> , David Reynolds <i>UWA</i> , David Thomas <i>Chevron</i>	Tues 23 - Fri 26 Nov 2010 Novotel on Collins, Melbourne	VIC

NB: Course Fees include: Tutoring, Notes, Morning Tea, Lunch, Afternoon Tea

See **Registration Form** on next page

Presenters: Classroom Teaching, field trips and tutorials are delivered by: leading groundwater professionals, experienced hydrogeologists and specialists in both public and private practise; from industry, universities and research agencies.

Attendees: 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. Sending organisations include: **WA Dept Water, SA DWLBC, Sydney Water, Melbourne Water, WA Water Corporation, Qld EPA, Qld DERM, Vic EPA, Local Government Authorities, Environmental Consultants, NWC, MDBA.**



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Email: industrytraining@groundwater.com.au

Web: www.groundwater.com.au/industrytraining

Registration Form/Tax Invoice 2010

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

National Centre for
Groundwater Research and Training
enhancing a vital water resource



TITLE:FIRSTNAME:SURNAME:

EMAIL:JOB TITLE:

COMPANY / DEPARTMENT:

ADDRESS (Postal):

CITY:COUNTRY/STATE:POSTCODE:

PH:MOB:FAX:

WEB:Dietary requirements:.....

COURSE DETAILS

		AUS Includes GST Please tick boxes
1	1st Australian Desalination School , Mon 15-Fri 19 March, Sofitel Gold Coast, Broadbeach, QLD <i>Early bird before Thursday 24 Dec</i> <i>After Thursday 24 Dec</i>	<input type="checkbox"/> 3230 <input type="checkbox"/> 3450
2	2nd Australian Desalination School , Mon 22—Fri 26 March, Novotel Hotel, Perth, WA <i>Early bird before Thursday 24 Dec</i> <i>After Thursday 24 Dec</i>	<input type="checkbox"/> 3230 <input type="checkbox"/> 3450
3	4th Groundwater for Decision Makers , Tues 30 March, Novotel Hotel, Perth, WA <i>Early bird before Friday 12 Feb</i> <i>After Friday 12 Feb</i>	<input type="checkbox"/> 880 <input type="checkbox"/> 990
4	22nd Getting to Know Groundwater & Surfacewater , Tues 13—Thurs 15 April, RSL Hall, Charleville, QLD <i>Early bird before Friday 26 Feb</i> <i>After Friday 26 Feb</i>	<input type="checkbox"/> 970 <input type="checkbox"/> 1080
5	23rd Getting to Know Groundwater & Surfacewater , Wed 5-Fri 7 May, Mercure Hotel, Broome, WA <i>Early bird before Friday 19 Mar</i> <i>After Friday 19 Mar</i>	<input type="checkbox"/> 970 <input type="checkbox"/> 1080
6	39th Australian Groundwater School , Mon 24—Fri 28 May, Mercure Hotel, Sydney (Includes Tues Dinner), NSW <i>Early bird before Friday 9 Apr</i> <i>After Friday 9 Apr</i> Field Trip, Saturday 29 May	<input type="checkbox"/> 1990 <input type="checkbox"/> 2100 <input type="checkbox"/> 110
7	5th Groundwater for Decision Makers , Wed 23 June, Mercure Hotel, Sydney, NSW <i>Early bird before Friday 7 May</i> <i>After Friday 7 May</i>	<input type="checkbox"/> 880 <input type="checkbox"/> 990
8	6th Groundwater for Decision Makers , Wed 14 July, Novotel on Collins, Melbourne, VIC <i>Early bird before Friday 28 May</i> <i>After Friday 28 May</i>	<input type="checkbox"/> 880 <input type="checkbox"/> 990
9	12th Australian Groundwater Modelling School* , Tues 27—Fri 30 July, Novotel on Collins Melbourne, VIC <i>Early bird before Friday 11 Jun</i> <i>After Friday 11 Jun</i>	<input type="checkbox"/> 2100 <input type="checkbox"/> 2210
10	7th Groundwater for Decision Makers , Wed 4 August, Novotel Atrium, Darwin, NT <i>Early bird before Friday 18 Jun</i> <i>After Friday 18 Jun</i>	<input type="checkbox"/> 880 <input type="checkbox"/> 990
11	5th NZ Getting to Know Groundwater & Surfacewater , Wed 25—Fri 27 August, All Seasons Hotel, Christchurch, NZ <i>Early bird before Friday 9 Jul</i> <i>After Friday 9 Jul</i>	<input type="checkbox"/> ^880 <input type="checkbox"/> ^980
12	24th Getting to Know Groundwater & Surfacewater , Wed 15-Fri 17 September, Rockford Hotel, Adelaide, SA <i>Early bird before Friday 30 Jul</i> <i>After Friday 30 Jul</i>	<input type="checkbox"/> 970 <input type="checkbox"/> 1080
13	3rd Hydrochemistry & Environmental Isotope Workshop , Wed 29 Sept—Fri 1 October, Stamford Grand, Adelaide, SA <i>Early bird before Friday 13 Aug</i> <i>After Friday 13 Aug</i> NB: Limited places available	<input type="checkbox"/> 2200 <input type="checkbox"/> 2310
14	40th Australian Groundwater School , Mon 11—Fri 15 October, Novotel Hotel, Perth (Includes Tues Dinner), WA <i>Early bird before Friday 27 Aug</i> <i>After Friday 27 Aug</i> Field Trip, Saturday 16 Oct	<input type="checkbox"/> 1990 <input type="checkbox"/> 2100 <input type="checkbox"/> 110
15	1st National Surfacewater-Groundwater Field Methods School , Mon 8-Fri 12 November, UNSW Farm, Wellington, NSW <i>Early bird before Friday 24 Sep</i> <i>After Friday 24 Sep</i> NB: Limited places available	<input type="checkbox"/> 3300 <input type="checkbox"/> 3410
16	9th Soil & Groundwater Pollution , Mon 15-Thurs 18 November, Novotel Hotel, Perth, WA <i>Early bird before Friday 1 Oct</i> <i>After Friday 1 Oct</i>	<input type="checkbox"/> 2490 <input type="checkbox"/> 2600
17	10th Soil & Groundwater Pollution , Tues 23— Fri 26 November, Novotel on Collins, Melbourne, VIC <i>Early bird before Friday 8 Oct</i> <i>After Friday 8 Oct</i>	<input type="checkbox"/> 2490 <input type="checkbox"/> 2600

Discounts (choose 1 option only):

5% discount on **Course Fee only** for IAH, AWA, NZHS, SIA, IDA, ACLCA Members (Member No.....)

10% discount on **Course Fee only** for NCGRT, NCED Partner Staff (Partner name.....)

15% discount on **Course Fee only** for Full-time Students (Institution name.....)

Minus \$.....

*Own laptop computer required, more details available in course outline available at: industrytraining.groundwater.com.au
^Australian GST is exempt for courses held in New Zealand

Total \$.....

PAYMENT – Please select payment method below:

ABN: 65 542 596 200

1. Credit Card Please debit my: Visa Mastercard

Card Number: _____ Expiry Date: ____ / ____

Cardholder's Name Signature.....

2. Cheque Payable to: **"NCGRT Groundwater Industry Training"**
Addressed to: NCGRT Groundwater Industry Training, Attn: Glenys Flight, GPO Box 2100, ADELAIDE SA 5001, Australia

3. Please send me a Tax Invoice Purchase order number:



Terms, Conditions, Transfers and Cancellations for all NCGRT Groundwater Industry Training:

- | | | |
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| <p>1 CONFIRMATION letter will be sent to all participants prior to a course. Participants must have received their confirmation letter before attending a course.</p> <p>2 TRANSFER of your registration to a different course must be made in writing. This will incur an additional administration fee of \$220.</p> | <p>3 CANCELLATIONS must be made in writing. Then the following terms will apply:</p> <p>a. Less than 3 business days before a course: No refund</p> <p>b. Between 3 business days and 3 weeks before a course: 50% refund</p> <p>c. More than 3 weeks before a course: Refund of the course fee minus an administration fee of \$220</p> <p>d. However, to avoid loss of the course and administration fees, a substitute attendee is welcome, by submitting a new Registration Form</p> | <p>4 If attendees CANCEL Field Trips, generally no refund will be paid.</p> <p>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.</p> |
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Endorsed by the Australian National Groundwater Working Group