



December 2010 Newsletter

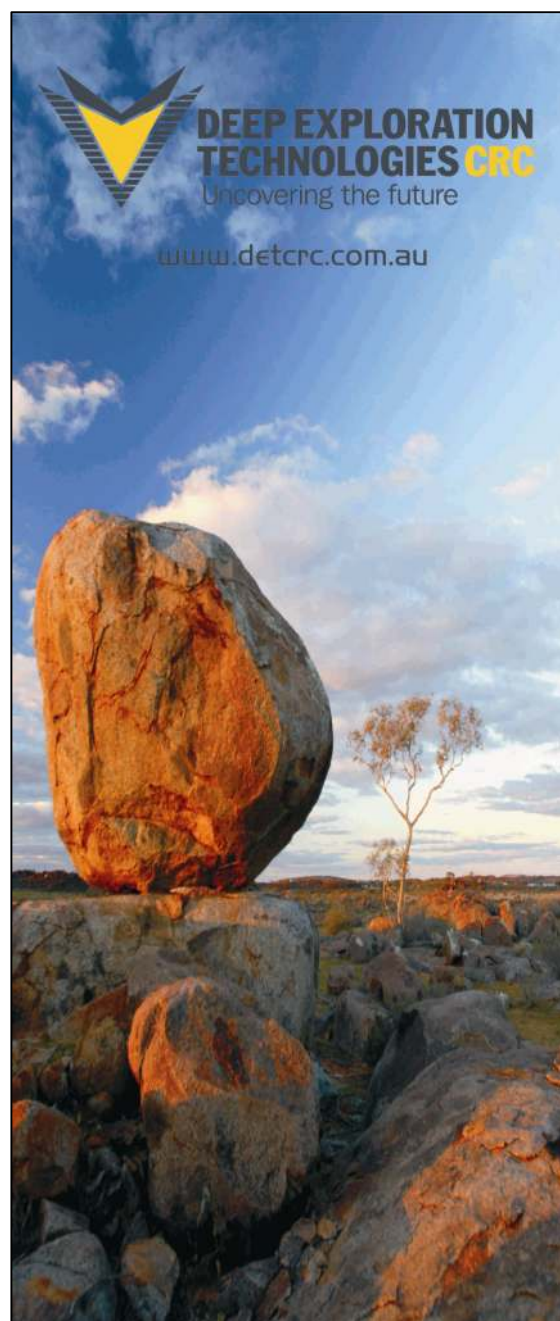
\$1M Additional Funding for Brukunga Drilling Research & Training Facility

The DET CRC has been successful in two grant applications to support the Drilling Research & Training Facility at Brukunga. We were awarded \$774K from the PSRF (Premiers Science and Research Foundation) of the SA Government. This PSRF money will provide additional cash for operations and fund a project manager. Depending whom we recruit, such a person could also contribute to the project integrator role.

We were also awarded \$185K by the PPP (Productivity Places Program) Job Seeker scheme, again administered by the SA Government, to support our pilot program courses in driller training. We plan to be running our driller training pilot program courses early in 2011 (three separate courses in Feb-April). RESA (Resources and Engineering Skills Alliance) are project managing these courses and are also contributing significantly to the project (thanks Phil de Courcey for your team's work on this). In total there is over \$1M in new, external money coming to the DRTF.

This additional support (on top of the \$886K of CRC cash) complements the decision by Boart Longyear to provide to the facility its most technically advanced drill, the 4200, prototype of the soon-to-be-released production SC-9, which is capable of real-time data collection and processing, is accessible on-line and adaptable to test, validate and integrate the technologies that the DET CRC will develop. This drill will permit researchers to 'see' the drill in action from anywhere in the world and test their results in real-time.

We are in the final details of discussions with PIRSA on the Deed of Licence that will permit access to the Brukunga minesite. The Deed of Licence will require the development of a Risk and Operations Plan which will be a priority in the New Year.



One of the CRC's promotional pull-up banners. Thanks to Steve Hill for the photograph.

Project 2.2 Approved by Science Steering Committee and Board

Project 2.2 Sensors for Rapid Down-Hole Rock Characterisation (Stephen Fraser and Craig Smith) has been unanimously approved by the Science Steering Committee (SSC) and already had approval from the Board subject to SSC approval. The agreement is now with the project parties for execution.

Projects 1.1, 1.2, 1.3, 1.4, 2.1 and 2.4

We have signatures from all but one of the project parties on these agreements. No problems are anticipated with the final signature and these should be completed and certified copies circulated around the project parties early in the New Year.

John Keeling to Lead Project 3.4

Martin Fairclough of PIRSA has taken up a temporary role with the International Atomic Energy Agency in Vienna so is lost to Project 3.4 South Australian Data Integration, for a while at least. John Keeling, also from PIRSA, is stepping in as Project Leader.

Gary Cavanough Takes Reins as Program 1 Leader

Gary Cavanough of CSIRO has been progressively taking over Program 1 Leadership from Jock Cunningham. I am delighted that Gary has accepted this role. I would like to express my appreciation to Jock who played a big role in getting the CRC up and has worked tirelessly to get the Program 1 Project Agreements up and to work through the budget to secure the substantive involvement of the service sector in Program 1.

Heathgate and JK Tech as Affiliates

Heathgate Resources have expressed interest in becoming an affiliate of the CRC. Heathgate operate the Beverley Uranium mine in South Australia and are also uranium explorers. Being a private company they do not have a market capitalisation by which we can assess their eligibility to join the junior explorer/miner college (<\$1B). Heathgate is an affiliated company of the much larger General Atomics Group (focuses on defence and nuclear technologies). I would be grateful for any views of Participants regarding Heathgate becoming an affiliate. I am meeting with Heathgate in January on this issue. My inclination is to support their joining as an affiliate because I doubt they would be involved in the CRC in any other way.

JK Tech is the technology transfer company for the University of Queensland's Sustainable Minerals Institute and would join the service company college. There are significant potential linkages between DET CRC and JK Tech, perhaps most notably in the geometallurgy/downhole logging areas.

It is likely that Heathgate and JK Tech will be formally put to the Participants as potential affiliates in the New Year. Their websites are:

- www.heathgateresources.com.au
- www.jktech.com.au

Current Affiliates

The current affiliates of DET CRC are as follows.

Junior Explorer/Miner College

- Carpentaria Exploration
- Minotaur Exploration
- Rex Minerals

Service Company College

- Easternwell
- Fugro
- Globaltech
- Imdex
- Olympus Innov-X
- Sandvik
- Teakle Composites
- Survey College

Survey College

- Geoscience Australia
- Northern Territory
- Queensland
- Western Australia

Science Steering Committee Meeting 8-9 Feb 2011

This will take place at the Esplanade Hotel, Fremantle, Tuesday 8-Wednesday 9 February 2011. I hope that all the Science Steering Committee (SSC) have this date in their diaries. The format will be broadly similar to that of the Adelaide meeting with an opening session overviewing programs and projects to the entire Science Steering Committee and break-out sessions to discuss individual projects in detail with program and project leaders.



One of the CRC's promotional pull-up banners. Thanks to Peter Kanck for the photograph.

First DET CRC Annual Conference

Please put this provisional date for DET CRC's first annual conference in your 2011 diaries: Monday 21-Wednesday 23 November 2011 in Adelaide. There will be various meetings associated with the conference, most notably the next face-to-face meeting of the Science Steering Committee after February's meeting. We plan to have speakers both from within and some from outside of the CRC. We also hope to arrange optional extras such as a visit to the Drilling Research & Training Facility at Brukunga, a visit to Boart Longyear's new regional

headquarters at Adelaide Airport and a project-related field trip.

Committees

The DET CRC now has the following active committees:

- Science Steering Committee
- Executive Committee
- Audit Committee
- Risk Committee
- Education Committee

CRC Tax Exemption

The Australian Tax Office has just confirmed DET CRC as an income tax exempt entity. While that might not excite many of you, it is good news with regard to any interest earned not being taxable and being used to fund the CRC and its activities.

Centric Project Management System: Role for Chairs of Project Review Panels

The web-based project management system ('Centric') has been purchased is currently being populated with data regarding the CRC's projects. One of the key roles of this system will be to facilitate the quarterly review of projects. Project and program leaders will summarise project progress each quarter in the system and the chair of the project review panel will then be requested to give the project a green, amber or red light based on that information. That recommendation, made on behalf of the project review panel and the entire SSC will then be passed onto me as CEO.

Although the projects have a variety of start dates (and thus a variety of quarterly milestone dates) DET CRC needs to align its reporting with the Government's CRC program reporting schedule (i.e. normal financial quarters). The following table summarises project start dates, when first quarterly milestones are due and when the first reporting will be done in 'Centric'. There will be more on the 'Centric' system at February's SSC meeting.

Project(s)	Start	Q1 Milestone	1 st Centric Report
1.1-1.4	1 Nov 2010	31 Jan 2011	31 March 2011
2.1	1 Nov 2010	31 Jan 2011	31 March 2011
2.2	1 Jan 2011	31 March 2011	31 March 2011
2.3	TBA	TBA	TBA
2.4	1 Dec 2010	28 Feb 2011	31 March 2011
3.1-3.4	1 Oct 2010	31 Dec 2010	31 Jan 2011*

*date extended from 31 Dec 2010 due to set-up of the 'Centric' system.

At the end of this update there is a full listing of staff involved in the DET CRC's projects.

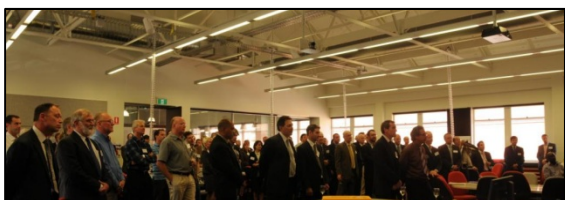
Thanks and Merry Christmas

On a personal note, as I approach the end of the year and some holidays, I am delighted that I made the leap from university life to the CRC. Many things have been harder and slower than I expected, but I think we've had some good wins and are on track, albeit with plenty of challenges ahead. I have enormously appreciated the input, commitment and desire to see the CRC succeed from Participant representatives, from the Board, from researchers, from the team at DET CRC HQ and from other external collaborators far too numerous to mention. I wish you all a Merry Christmas and a Happy Hogmanay.

Richard Hillis
24 December 2010



A Bort Longyear drill rig badged with the DET CRC logo greeted arrivals at the DET CRC launch on 4 November.



The audience at the launch listen intently to the formalities.



Paul Holloway (Minister for Mineral Resources Development, South Australian Government), Patricia Kelly (Deputy Secretary, Department of Innovation, Industry Science & Research, Australian Government) and Tom Whiting (Chair, DET CRC) cut the cake before David Giles drilled it.



Richard Hillis (CEO, DET CRC) talks about Sir Douglas Mawson's legacy in the Tate Museum.

Listing of DET CRC Project Staff

PL: Program Leader

KR: Key Researcher

R: Researcher

S: Support

PROJECT 1.1		PROJECT LEADER - Jorge Sampaio			
Name	Org	In-kind FTE	Cash FTE	Total FTE	Level
Vamegh Rasouli	Curtin	0.33	0.10	0.43	KR
Brian Evans	Curtin	0.20	0.01	0.21	KR
Ali Saeedi	Curtin	0.30	0.05	0.35	R
Jorge Sampaio	Curtin	0.40	0.31	0.71	KR
Drilling Eng TBA	Curtin		0.01	0.01	KR
Emmanuel Detournay	CSIRO	0.10		0.10	KR
TBA Drilling Engineer	CSIRO	0.60		0.60	KR
Gary Cavanough	CSIRO	0.50		0.50	PL
Thomas Richard	CSIRO	0.10	0.10	0.20	KR
TBA	CSIRO	0.15		0.15	KR
PROJECT 1.2		PROJECT LEADER - Thomas Richard			
Name	Org	In-kind FTE	Cash FTE	Total FTE	Level
Thomas Richard	CSIRO	0.27	0.16	0.43	KR
Luiz Franca	CSIRO	0.22	0.09	0.31	KR
Stephen Banks	CSIRO	0.22	0.08	0.30	S
Luiz Mariano	CSIRO	0.17	0.13	0.30	S
Greg Lupton	CSIRO	0.30		0.30	KR
Emmanuel Detournay	CSIRO	0.10	0.05	0.15	KR
Murat Karakus	U of A	0.13		0.13	KR
Noune Melkounian	U of A	0.10	0.10	0.20	R
Hamid Sheikh	U of A	0.10	0.10	0.20	KR
Chaoshui Xu	U of A	0.10	0.10	0.20	KR
Arcady Dyskin	UWA	0.25	0.15	0.40	KR
Elena Pasternak	UWA	0.25	0.19	0.44	KR
Igor Shufrin	UWA	0.67	0.33	1.00	R
PROJECT 1.3		PROJECT LEADER - Gary Cavanough			
Name	Org	In-kind FTE	Cash FTE	Total FTE	Level
Gary Cavanough	CSIRO	0.37	0.40	0.77	PL
Research Physicist	CSIRO	0.59		0.59	KR
TBA Technician 1 (existing)	CSIRO	0.48		0.48	KR
TBA Researcher 1	CSIRO	0.18		0.18	KR
Thomas Richard	CSIRO		0.02	0.02	KR
Research Physicist	CSIRO		0.23	0.23	R
TBA Technician	CSIRO		0.19	0.19	S
Leila Alem	CSIRO		0.10	0.10	KR
Jorge Sampaio	Curtin	0.05		0.05	KR
Engineer TBA	Globaltech	0.21		0.21	KR
Philip Teakle	Teakle	0.21		0.21	KR
Lindsay Pickstone	Teakle	0.39		0.39	R
Joshua Parrish	Teakle	0.41		0.41	R
Emmanuel Chanda	U of A	0.20	0.10	0.30	KR
Murat Karakus	U of A	0.22	0.20	0.42	KR
Noune Melkounian	U of A	0.15		0.15	R
Hamid Sheikh	U of A	0.15		0.15	KR
Stephen Priest	U of A	0.15		0.15	KR
Chaoshui Xu	U of A	0.15	0.10	0.25	KR

PROJECT 1.4		PROJECT LEADER - Peter Kanck			
Name	Org	In-kind FTE	Cash FTE	Total FTE	Level
Peter Kanck	Boart Longyear	0.25		0.25	KR
Reseracher TBC	Boart Longyear	0.25		0.25	R
Gary Cavanaugh	CSIRO		0.11	0.11	PL
Research Physicist	CSIRO		0.14	0.14	R
TBA Technician	CSIRO		0.16	0.16	S
TBA Researcher 4	CSIRO		0.10	0.10	R

PROJECT 2.1		PROJECT LEADER - Binzhong Zhou			
Name	Org	In-kind FTE	Cash FTE	Total FTE	Level
Binzhong Zhou	CSIRO	0.25		0.25	KR
Zac Jecny	CSIRO	0.25		0.25	R
Matt van de Werken	CSIRO	0.40		0.40	R
Xun Luo	CSIRO		0.20	0.20	?
Xingsheng Li	CSIRO		0.10	0.10	?
Jonathan Ralston	CSIRO		0.10	0.10	?
Mathew Josh	CSIRO		0.25	0.25	?
Anton Kepic	Curtin	0.20		0.20	PL
Milovan Urosecvic	Curtin	0.10		0.10	KR
Alex Dzunic	Curtin		0.20	0.20	R
Dom Howman	Curtin	0.15		0.15	S
Christian Dupuis	Curtin		0.20	0.20	?

PROJECT 2.2		PROJECT LEADER - Stephen Fraser & Craig Smith			
Name	Org	In-kind FTE	Cash FTE	Total FTE	Level
Binzhong Zhou	CSIRO	0.10		0.10	KR
Craig Smith	CSIRO	0.15	0.20	0.35	KR
Andrew Rojc	CSIRO	0.15	0.25	0.40	R
Matt van de Werken	CSIRO	0.10	0.30	0.40	R
Nichole Morgan	CSIRO	0.50		0.50	R
Stephen Fraser	CSIRO		0.25	0.25	KR
Anton Kepic	Curtin	0.20		0.20	PL
Reza Rezzaae	Curtin	0.50		0.50	KR
Christian Dupuis	Curtin		0.30	0.30	?
Snr Engineer TBA	Globaltech	0.50		0.50	R

PROJECT 2.3		PROJECT LEADER - Richard Lane			
Name	Org	In-kind FTE	Cash FTE	Total FTE	Level
AWAITING DETAILS					

PROJECT 2.4		PROJECT LEADER - Graham Heinson			
Name	Org	In-kind FTE	Cash FTE	Total FTE	Level
Brett Harris	Curtin	0.25		0.25	KR
Milovan Urisevic	Curtin	0.10		0.10	KR
Boris Gurevich	Curtin	0.10		0.10	KR
Anton Kepic	Curtin	0.20		0.20	PL
Post Doctoral Fellow TBA	Curtin	0.50		0.50	R
Graham Heinson	U of A	0.30		0.30	KR

PROJECT 3.1		PROJECT LEADER - Milovan Urosevic			
Name	Org	In-kind FTE	Cash FTE	Total FTE	Level
Binzhong Zhou	CSIRO	0.20		0.20	KR
Researcher TBA	CSIRO		0.20	0.20	R
Anton Kopic	Curtin	0.20		0.20	KR
Milovan Urosevic	Curtin	0.40		0.40	KR
Aleksandar Dzunic	Curtin	0.65		0.65	R
Andrew Squelch	Curtin	0.50	0.30	0.80	R
Researcher TBC	Curtin	0.30		0.30	R
R Pevzner	Curtin		0.50	0.50	KR
Andrej Bona	Curtin		0.40	0.40	KR
Kon Tertyshniko	Curtin		0.30	0.30	KR
David Williams	Curtin	0.25		0.25	S
David Giles	U of A	0.10		0.10	PL
Researcher TBA (joint with 2.4)	U of A		0.60	0.60	R

PROJECT 3.2		PROJECT LEADER - James Cleverley			
Name	Org	In-kind FTE	Cash FTE	Total FTE	Level
James Cleverley	CSIRO	0.20		0.20	KR
Rob Hough	CSIRO	0.20		0.20	KR
Yilgarn Embedded Res	CSIRO	0.50		0.50	KR
Susanne Schmid	CSIRO		0.25	0.25	R
Louise Fisher	CSIRO		0.20	0.20	R
Mel Quigley	CSIRO		0.30	0.30	R
Post Doctoral Fellow TBA	CSIRO		0.15	0.15	R
David Giles	U of A	0.10		0.10	PL
Andreas Schmidt-Mumm	U of A	0.40		0.40	KR
Caroline Forbes	U of A	0.30		0.30	R
Christiana Ciobanu	U of A		0.80	0.80	R

PROJECT 3.3		PROJECT LEADER - Steve Hill			
Name	Org	In-kind FTE	Cash FTE	Total FTE	Level
David Gray	CSIRO	0.25		0.25	KR
Ravi Anand	CSIRO	0.25		0.25	KR
Ryan Noble	CSIRO	0.25	0.20	0.45	KR
Rob Hough	CSIRO	0.10		0.10	KR
Susanne Schmid	CSIRO		0.20	0.20	KR
Nathan Reid	CSIRO		0.50	0.50	KR
David Giles	U of A	0.10		0.10	PL
Steven Hill	U of A	0.40		0.40	KR
Caroline Forbes	U of A	0.20		0.20	R
Rob Dart	U of A		1.00	1.00	R

PROJECT 3.4		PROJECT LEADER - John Keeling			
Name	Org	In-kind FTE	Cash FTE	Total FTE	Level
John Keeling	PIRSA	0.20		0.20	KR
Tim Baker	PIRSA	0.20		0.20	KR
Laz Katona	PIRSA	0.10		0.10	R
Phillip Heath	PIRSA	0.10		0.10	R
George Gouthas	PIRSA	0.10		0.10	R
Alan Mauger	PIRSA	0.10		0.10	R
Adrian Fabris	PIRSA	0.20		0.20	R
Sean Bosman	PIRSA	0.10		0.10	R
Tania Dhu	PIRSA	0.10		0.10	R
Roger Fidler	PIRSA	0.10		0.10	R
David Giles	PIRSA	0.30		0.30	PL