

What's happening at the Centre for Exploration Targeting...



CET New Director - Stephen M. Rowins

I would like to take this opportunity to introduce myself to members of the Centre for Exploration Targeting (CET) and the WA geoscience community. I arrived at UWA six weeks ago to start as Professor of Mineral Geoscience and Director of the CET. I came from Victoria, British Columbia, on Canada's west (wet) coast where I was the Chief Geologist and Executive Director of the British Columbia Geological Survey. I also served as an Adjunct Professor at the University of Victoria, where I taught economic geology and conducted research with a couple of close colleagues. My arrival at the CET is something of a homecoming because I did my Ph.D. at the original 'Key Centre for Teaching and Research on Strategic Mineral Deposits' with Professor David Groves in the early 1990's. I studied the genesis of gold and copper deposits in the Telfer district of the Paterson Province, which remains the focus of much exploration today. My own research interests typically comprise field-based studies that involve the application of both innovative and tried-and-true analytical methods to better understand the key ore-forming processes involved in the genesis of hydrothermal mineral systems - particularly those responsible for gold and base-metal deposits. I have held positions in the minerals industry, academia, and government and look forward to the opportunity to lead the CET in its future endeavours. We are in something of a recovery mode with respect to the global mining industry, and the CET has several new projects that will begin in the near future. On a personal note, I would like to thank everyone for the warm welcome I received upon my arrival last month. It is most appreciated. I will be contacting members of the CET and the larger exploration community in the coming months, so hopefully you will now know who I am if I leave a voice message on your phone!



New Staff

[Stephen M. Rowins](#)

[Helen McFarlane](#)



Events & ...

[SES Seminar Series](#)

3 May - Steve Garwin

[CET Breakfast](#)

Every last Thursday of the month - from 7 to 8.30 am - Julio's Sage Hotel West Perth

**Latin America Down Under-
Perth 16-17 May 2018**



South American Exploration Initiative (SAXI), AMIRA project P1061A has officially started.

The tectonics, architecture and metallogeny of the Proterozoic of north-east South America kicked off on the 21 March 2018 with support from Anglo American, AngloGold Ashanti, Avanco Resources, Barrick Gold, Codelco do Brasil Mineracao, Newcrest Mining and Randgold Resources.

Designed to enhance the exploration potential of the Guiana Shield and neighboring terranes, the outcomes of the project will also assist exploration companies to focus their exploration activities and help the local Geological Surveys build capacity and enhance their role in the provisions of pre-competitive data and information.

We will hold an information session for organisations interested in joining the project at the upcoming Latin America Down Under Conference in Perth (16-17th May).

Members of our SAXI team (Mark Jessell, Sandra Occhipinti, Steffen Hagemann, Nicolas Thebaud and Jean-Paul Bout) are off to South America from May 19 to June 11 and will have a stand at the Simexmin Conference in Ouro Preto, Brasil, as well as making presentations in Brasilia, Belém, Cayenne, Georgetown and Paramaribo.

CET a partner in the new \$215 million MinEx CRC

The MinEx CRC has been granted \$50 million to boost for mineral exploration research in Australia, and this funding is backed up by industry and the research partners by a further \$165 million. The CET and School of Earth Sciences will be represented by Mark Jessell and Mark Lindsay who jointly lead the Automated 3D Modelling Project which will be developing new techniques to reduce the time taken from receiving drilling data to constructing probabilistic and objective geological models.

SAXI information session

Simexmin Conference - Ouro Preto, Brasil 20 to 23 May 2018

CET is looking forward to joining the mineral resources industry at Simexmin.

Geological Society of
Australia Earth Sciences
Student Symposium
(GESSS-WA) - 29 November
2018.

...Courses

[Mineral Systems and
Metallogeny of the Birimian
Craton and Applications for
Exploration](#)

14-19 May 2018 - Burkina
Faso.

[Senior Exploration
Management](#)

26-29 June - Perth

[Mineral alteration footprints
and portable field techniques
\(ASD, XRF, ...\)](#)

2-6 July 2018 - Burkina Faso.

[Structural Geophysics](#)

8-12 October - Ivory Coast

[Advanced Applied Structural
Geology](#)

17 - 24 October - Ghana



Earth's oldest stable crust in the Pilbara craton formed by cyclic gravitational overturns

The remote Pilbara region of northern Western Australia is one of Earth's oldest blocks of continental crust, and we now think we know how it formed, as explained in research published in [Nature Geoscience](#) - 16 April 2018 and in [The Conversation](#).



A terrestrial hot spring setting for the origin of life? Darwin's Warm Little Pond revisited

Project quality and innovation

This is the first holistic, integrated, multinational study ever proposed to investigate the possibility of a terrestrial hot spring field as a setting for the origin of life. The Project is unique in applying an actualistic geological control on an origin of life setting by using the 3.5 Ga Dresser Formation (Pilbara region of Western Australia) – informed by analogues with active hot spring fields – as a guide to constraining the components of an “origins” setting

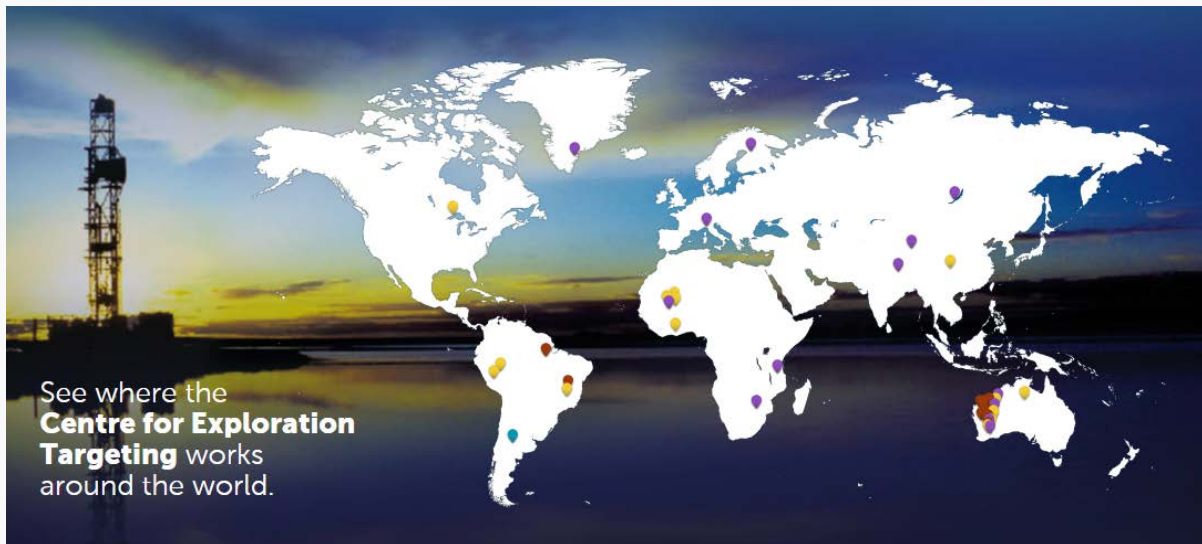
Capricorn Distal Footprints

The Capricorn Distal Footprints Project aimed to understand and establish the evolution of the mineral systems within the context of a tectonically complex geological history, establishing how footprints can be identified both laterally and through the thick expanse of regolith and sedimentary. The 4 year project involved CET/SES/UWA, Curtin University, the CSIRO, GSWA/DMIRS and industry sponsors and was funded by the Science and Industry Endowment Fund (SIEF) and MRIWA.

Australia Awards – Africa - Mineral and Energy Economics

The Centre for Exploration Targeting (CET) in partnership with the University of Witwatersrand (Wits) in South Africa, have successfully tendered for the “Australia Awards – Africa Short Courses in Mineral and Energy Economics” for the period 2018 - 2022. This award, funded by the Australian Department of Foreign Affairs and Trade (DFAT) entails the annual provision of a 9-week program.

The program is designed to build knowledge and broader leadership and organisational management skills in the context of the mineral and energy sectors for 25 to 30 eligible early- to mid-career professionals, from both government and private enterprise who are involved with mineral resources exploration, exploitation, governance, policy formulation and/or the administration of related regulatory and fiscal regimes in mineral-rich African countries.



See where the
**Centre for Exploration
Targeting** works
around the world.

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Our mailing address is:

The University of Western Australia
M006, 35 Stirling Highway CRAWLEY WA 6009