

AUSTRALIAN REGOLITH GEOSCIENTISTS ALLIANCE



July 2022

ARGA NEWS AND UPDATES

Making farewells but also connections

It's the mid-winter edition of the ARGA newsletter (for those in the southern hemisphere), and many of us may have had a taste of face-to-face meetings for the first time in a year or two, such as Uncover Curnamona in Broken Hill, NSW in May. This was a great chance to meet up with collaborators and make new acquaintances, including research students just starting their projects in regolith science. This has led to discussion about how to better connect ARGA members and regolith scientists, and so we would like to announce the beginning of a quarterly seminar/network series! Our first seminar will feature GSWA geoscientists and Regolith Superstar, Nadir de Souza-Kovacs. Keep an eye out for announcements and meeting invites in the coming weeks.

The ARGA Specialist Group held their quarterly committee meeting during this jam-packed week of geoscience, and at the meeting long-time ARGA committee member and past Chair, Dr Carmen Krapf, resigned from the committee.

We would like to express our acknowledgment for Carmen's work in ARGA as the Chair from 2019 to 2021 and a Committee Member. Carmen's passion for regolith science, her never-ending contribution to ideas, her tenacity in moving things



forward, and her generous and continuous effort in teaching early career researchers are an example to all of us. Carmen has accomplished collaborations between groups and regolith researchers across Australia, rarely seen at this level. Carmen has been integral to keeping ARGA and the subject of regolith alive and bringing new researchers into this space. Carmen's behind-the-scenes work and kindness in sharing her thoughts and ideas have taught us volumes. ARGA has been extremely fortunate and honoured to have Carmen as a member all these years. Carmen, we wish you all the very best in your new endeavors. Thank you!

WHAT'S NEW?

REGOLITH-LANDFORM MAPPING TAKES CENTRE STAGE IN THE KIMBERLEY



Regolith-landform mapping of the west Kimberley Craton: application of geophysics and spectral remote sensing is a new report book from the Geological Survey of Western Australia. ARGA committee member Nadir de Souza Kovacs alongside Tom Cudahy have just published a new report that unravels the west Kimberley Craton landforms, the #regolith materials of which they are composed, and proposes models for the evolution of the Kimberley landscapes. Geophysics and spectral remote sensing has been combined with ground surveys as tools to map the surface deposits as ASTER mineral maps. These were specially created for mapping the Kimberley region, was to rectify issues affecting the quality of the mineral maps caused by the effect of green vegetation on the spectral responses.

Report 231 "Regolith-landform mapping of the west Kimberley Craton: application of geophysics and spectral remote sensing," download it here: <http://ow.ly/88u350Jijp7>

REGOLITH SCIENCE ON THE WEB

HOW TO COMMUNICATE OUR SCIENCE

While not directly regolith related, but definitely something for all regolith scientists to reflect on – can we improve our communication skills to the public, and how can we get started? Check out this inspiring talk by Dr Haydon Mort of Geologize: <https://www.youtube.com/watch?v=1eb22UqmYLO>

DID YOU KNOW - As GSA members ARGAs Specialist Group gets FREE access to Geologize? Check out how via the GSA home page – just log in to your Member page.



Dr Haydon Mort presents 'How can we communicate in the geosciences so the public will listen?'
39 views May 17, 2022 Dr Haydon Mort presents 'How to communicate the geosciences' ...more

ARGA EDUCATIONAL RESOURCES

The internet hosts so many great resources for teachers, communicators and educators. Here are just a few great regolith-related resources recommended by the ARGAs Committee. Think we have missed something? Please send in for inclusion in the next newsletter:

- AusEarthed: Australian Earth Science Education (AusEarthEd) aims to create, produce and deliver innovative, valuable earth sciences experiences; to further the recognition of earth sciences as an integral part of STEM; to improve the quality of the talent pipeline for industry; to increase awareness of the wide range of career

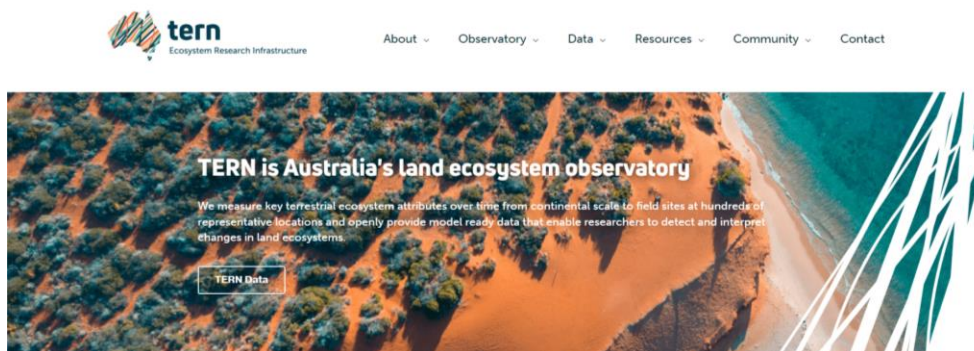


**AUSTRALIAN
EARTH
SCIENCE
EDUCATION**

opportunities that earth sciences provide; and to emphasise the importance of earth sciences in understanding contemporary issues

<https://ausearthed.com.au/earth-enviro-science/>

- TERN ecosystem data for teaching: To help students access and learn more about the data collected by Australia's Land Ecosystem Observatory, TERN has released a selection of its data for use by senior high school students. Whilst not collected and developed primarily as educational resources, the data and description of the methods and equipment used are naturally suited to being applied in teaching concepts and skills related to the Australian environment.
<https://www.tern.org.au/tern-ecosystem-data-for-online-teaching/>



UPCOMING CONFERENCES AND EVENTS

26 - 30 Sept 2022 – 19th Biannual Conference Australia and New Zealand Geomorphology Group (ANZGG), Alice Springs Postponed due to Covid – new conference dates! See <http://www.anzgg.org/conferences> for more information.

16 -22 Oct 2022 - International Applied Geochemistry Symposium, Chile <https://iags2021.cl/>

21-23 Nov 2022 - Australasian Groundwater Conference – Perth. The Scientific Committee for the upcoming Australasian Groundwater Conference are pleased to invite abstract submissions for inclusion in the 2022 program. Abstracts and Registration now open, Early Bird Registration Deadline 22 September 2021

12-16 December 2022 - AGU Fall Meeting, Chicago, USA

26 June- 1 July 2023 – Australian Earth Sciences Convention, *Reimagining the Earth Sciences*, Perth

Make sure to keep up to date as ARGA aims to host ARGA-related sessions... Watch this space! <https://aesc2023.com.au/>

KEEPING UP TO DATE WITH ARGA



ARGA Facebook page

<https://www.facebook.com/groups/10150125426600193/>



ARGA is on TWITTER! <https://twitter.com/AusRegolith>



ARGA is on INSTAGRAM!

<https://www.instagram.com/ausregolith/>

ARGA on the web <http://regolith.org.au/>

Would you like to contribute? Suggestions and feedback to:

Anna Petts secretary@regolith.org.au

