



Australian Society of Exploration Geophysicists

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The Australian Society of Exploration Geophysicists is a non-profit company founded in 1970. Our aims are to promote the science of geophysics, and specifically exploration geophysics, throughout Australia, to foster fellowship and co-operation between geophysicists, to encourage closer understanding and co-operation with other earth scientists and to assist in design and teaching of courses in geophysics and to sponsor student sections where appropriate

The ASEG celebrates Diversity in Geoscience. We are committed to diversity, inclusion and anti-discrimination through respect and appreciation of what makes our membership so varied in terms of gender, age, ethnicity, disability, education, national origin and other areas. We strive to be inclusive and diverse, with a real strength in bringing new ideas, new thinking and innovation into our member forums and ASEG conventions. The conferences the ASEG organises and runs strive to be free from prejudice of any kind and are places where great innovations and shared learnings are realised.



Australian Society of Exploration Geophysicists

The ASEG acknowledges the Traditional Owners of the land on which we gather today, and the many lands on which we undertake our work.

We recognize their continuing connection to these lands, water and culture and pay our respects to their Elders past and present.

Acknowledgement of Country



Who are we?

Meet the FedEx of 2021



Kate Brand
President
Professional Development
Chair



Leslie Atkinson
Secretary



**Yvette Poudjom
Djomani**
Treasurer



Emma Brand
President-Elect



David Annetts
Immediate Past President
Near Surface Group Chair



**Mosayeb Khademi
Zahedi**
Communications Chair



Ted Tyne
Publications Chair
History + Research Foundation
liaison



Janelle Simpson
Branch Liaison Chair



Kate Selway
Education Chair



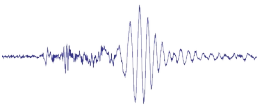
Mark Duffett
Technical Standards
liaison



Ian James
Web Committee
Chair



Suzanne Haydon
Membership Chair



and Meet the State Branches

ACT Branch

Anand Ray	President
Mike Barlow	Secretary
Ross Costelloe	Treasurer
Marina Costelloe	Member
James Goodwin	Member
Grant Butler	Member
Yvette Poudjom Djomani	Member
Phillip Wynne	Member

NSW Branch

James Austin	President
Stephanie Kovach	Secretary
Ben Patterson	Treasurer
Josh Valencic	Communications Representative

QLD Branch

James Alderman	President
Nick Josephs	Secretary
Roger Cant	Treasurer
Tim Dean	Communications Representative

Tas Branch

Mark Duffett	President
Matthew Cracknell	Secretary
Tara Martin	Treasurer

SA/NT Branch

Ben Kay	President
Carmine Wainman	Secretary
Samuel Jennings	Treasurer
Kate Brand	Member
Michael Hatch	Member
Adam Davey	Member
Joshua Sage	Member
Matt Linke	Member
Dana Imbrogno	Member
Rahman Elkhateeb	Member
Iain Campbell	Member
Nick Jarvis-Bardy	Member
Tania Dhu	NT Representative

WA Branch

Todd Mojesky	President
Partha Pratim Mandal	Secretary
Darren Hunt	Treasurer
Michel Nzikou	Member
Karen Gilgallon	Member
Helen Anderson	Member
Andrew Fitzpatrick	Member
Daniel Lindsay	Member
Thomas Hoskin	Member
Brett Harris	Member

Vic Branch

Thong Huynh	President
Nathan Gardiner	Secretary
Jarrod Dunne	Treasurer
Theo Aravanis	Treasurer

State branch liaison Janelle Simpson



50 YEARS

mag21 Modern Applications of Geophysics: Mineral Case Studies

Presented by the WA branch of the Australian Society of Exploration Geophysicists

A face-to-face one-day symposium targeting geologists and geophysicists, which will cover a wide range of case studies, ranging from exploration and discovery to evaluation and production of mineral deposits.

When: Nov 24, 2021
Venue: Fraser's Kings Park

For more info, contact mag21@aseg.org.au or search for MAG21 at eventbrite.com.au

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CONSULTANTS



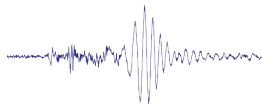
Transparent Earth
G E O P H Y S I C S



Santos



Australian Society of
Exploration Geophysicists

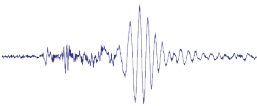


Thank you to our Branch Sponsors

WA



SA/NT



Thank you to all of our volunteers

Just released-
Volunteer Almanac
2021- ensuring
that all volunteers
are acknowledged
and allowing better
record retention.





And what have we been up
to?

We have...

Developed a strategic action plan

- The President visited President-Elect in Brisbane where they applied business canvas model to ASEG and commenced development of Strategic action plan to complement existing 2018-2023 Strategy
- Built upon by FedEx in three 2-hour virtual strategy sessions.
- A summary of the 2021-2024 Strategic Action plan can be found in the members-only section of the website.

The 30 actions in the plan focus on:

1. Improving the volunteer experience
2. Understanding and communicating the identity of the ASEG in its 50th year
3. Creating, articulating, and delivering exceptional member value and satisfaction
4. Creating a sustainable model for the ASEG to support another 50 years


ASEG - 2021 TO 2024 STRATEGY

INTRODUCTION

The ASEG is a not-for-profit organisation whose objectives are the promotion and advancement of geophysical sciences, especially the knowledge, and its application and continuous professional education, in the areas of exploration geophysics and related sciences.

Throughout its 50-year history the ASEG has delivered on the aims and objects of the society, with a vibrant member-base, strong volunteer culture and a reputation for scientific excellence through the *Exploration Geophysics*. However, the external context in which the organisation finds itself is significantly different, from even 5 years ago. Pressure on the tertiary sector with respect to the number of institutions that support geophysics, the future of exploration geophysics in the transition to Net Zero, the importance of exploration and carbon capture and storage, and the impact of climate change is likely to be disorderly with significant implications for the industry in the next short-, mid- and long-term.

Therefore...

Australian Society of
Exploration Geophysicists

Strategic Plan 2018 – 2023

Mission Statement:
To provide an environment for the science of applied geophysics to grow for the benefit of its members and the wider community.

Initiative	Description	Due Diligence
Improving the volunteer experience		
1 Volunteer Recognition & Training	Includes better training and onboarding of new volunteers, availability of important documents, minimising volunteer fatigue, increasing volunteer engagement, advertising of volunteer's roles and filling committees, volunteer mental health initiatives	
2 Alignment and connection to frontline branch volunteers with FedEx	Branches tend to work independently and there is a significant opportunity to share learnings across branches to drive efficiencies and create value. Further, the state branches are the face of the ASEG and alignment of the states to the direction of the FedEx is important in ensuring that the strategic direction of the ASEG is implemented most effectively.	
3 "Six sigma" ASEG Procedures	There are processes within the ASEG that could be done more efficiently. The intention is to investigate the general workflow of the FedEx and committees and interaction with branches to identify areas that could be done more efficiently and effectively.	Due Diligence
Understanding and communicating the identity of the ASEG in its 50th year		
4 Develop strong ASEG brand and voice	The mission of the ASEG is clear but delivering on that through the current context and in the transition to net zero may necessitate more purposeful positioning of the ASEG. Therefore, developing clear positions on the issues of the day and advocating for them is likely to drive member value, member attraction and retention, as well as enabling the ASEG to influence external bodies more purposefully.	

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Begun to consider ASEG's role in the transition to a net-zero future

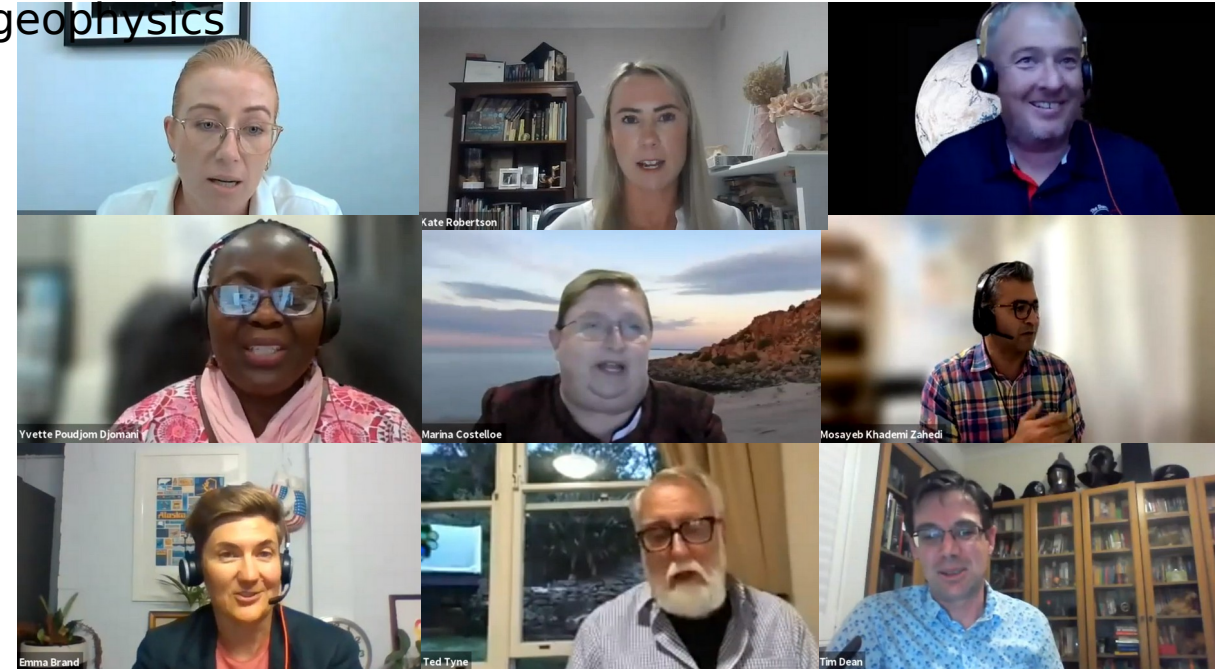
- Hosted a panel session
- Developing an energy transition webinar series
- Looking to host a workshop in Q4 2022



Andrew Long- new
Energy Transition role for
ASEG
13/04/2022



ASEG Panel Session: Challenges and opportunities for geophysics



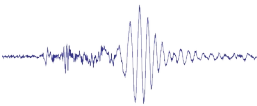
Supported new organisations that promote geoscience



ASEG have sponsored inaugural festival.
Co-founders Prof Iain Stewart and Assoc.
Prof Heather Handley presented an ASEG
webinar



ASEG advertisements will feature on
exploration geoscience podcast Exploration
Radio



Maintained and built on existing relationships

- Hosted the virtual SEG DISC with Dave Monk: Survey Design and Seismic Acquisition for Land, Marine, and In-between in Light of New Technology and Techniques
- Strengthened relationships with SEG Asia-Pacific and secured ASEG member discount to workshops
 - Geophysics in Geothermal Energy
 - International conference on Engineering Geophysics
- Promoted NExUS exploration undercover school and in turn ASEG members received discount to attend workshops
- Gave a welcome address for SEGJ conference
- Reciprocal advertising relationship for Latin Geophysics Explore conference
- 2 ASEG volunteers attended virtual EAGE given nobody could attend in-person
- Continued to represent ASEG at AGC meetings



Co-hosted the 3rd AEGC

- ASEG Co-chair Eric Battig
- 449 registrants, 29 international. Content on-demand for 3 months. 47 students, 35 either ECR or retired. 1428 visits to exhibitors, 130 talks
- Conference was postponed 6 months, then changed to hybrid then to virtual
- ASEG supported 10 students to attend the AEGC virtually
- ASEG communications committee worked hard to promote the conference



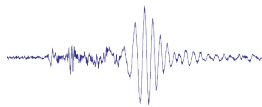
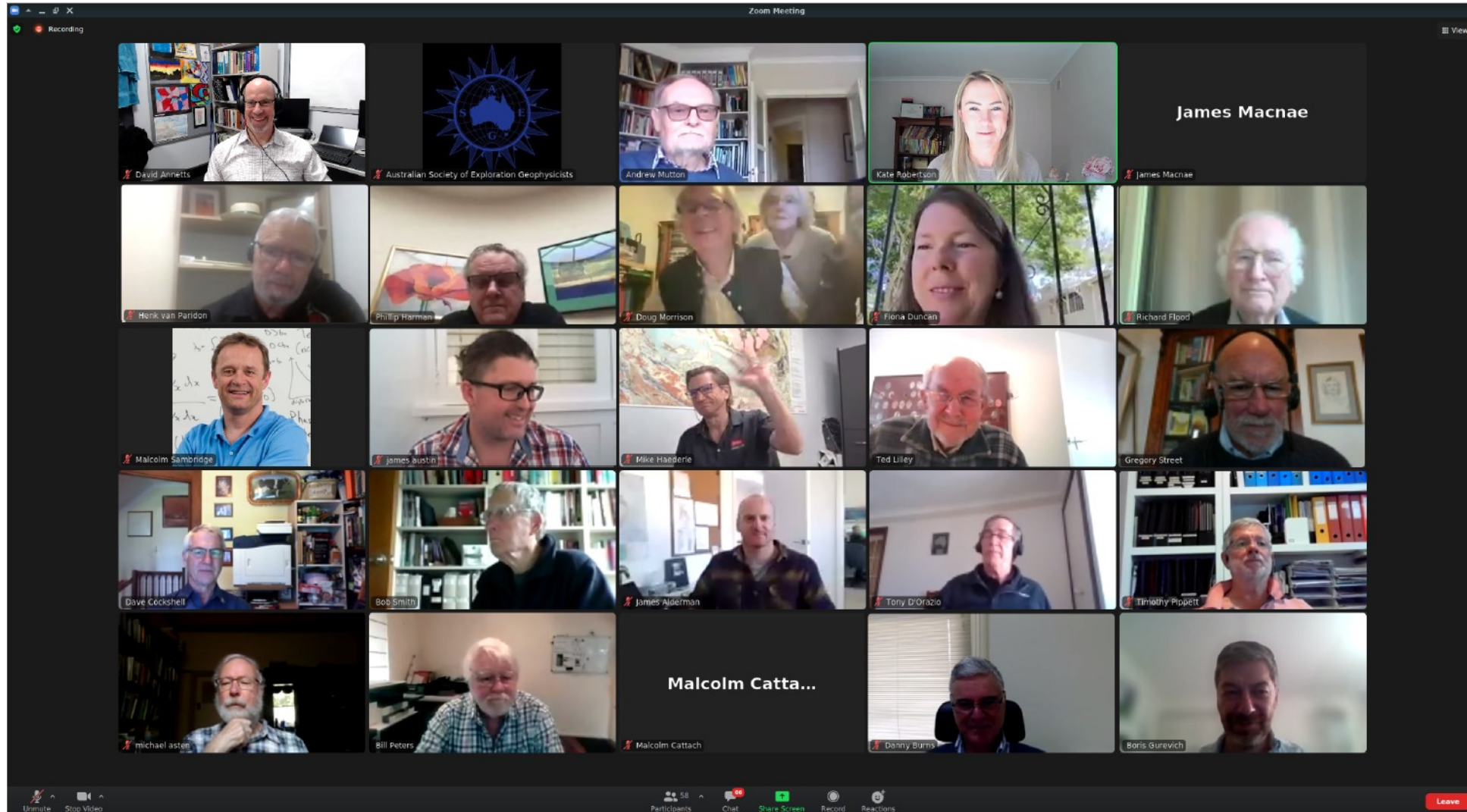
Supported members through a difficult pandemic year

- Outreach on RUOK day
- Care packages for members in extended lockdown
- Virtual social events
- Webinars as usual



Held our first virtual Honours and Awards Ceremony

Very successful thanks to hard work of Andrew Mutton (Honours and Awards Chair) and H&A committee



Presented some Honours and Awards to very worthy recipients

Congratulations to all of the recipients!

ASEG GOLD Medal 2021: **Malcolm Cattach**

ASEG 50th Anniversary Special Award: **Katherine McKenna, Mark Lackie**

Lindsay Ingall Memorial Award: **Doug Morrison**

Grahame Sands Award: **Lesley Wyborn**

Early Achievement Award: **Stanislav Glubokovskikh**

Shanti Rajagopalan Memorial Award:

(Highly Commended in 2021) **Xiuyan Ren, Blair McKenzie**

(2021 Winner) **Joel Kumwenda**

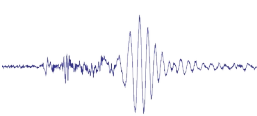
Richard Lane Scholarship: **Zak Weidinger**

ASEG Service Medal: **Danny Burns**

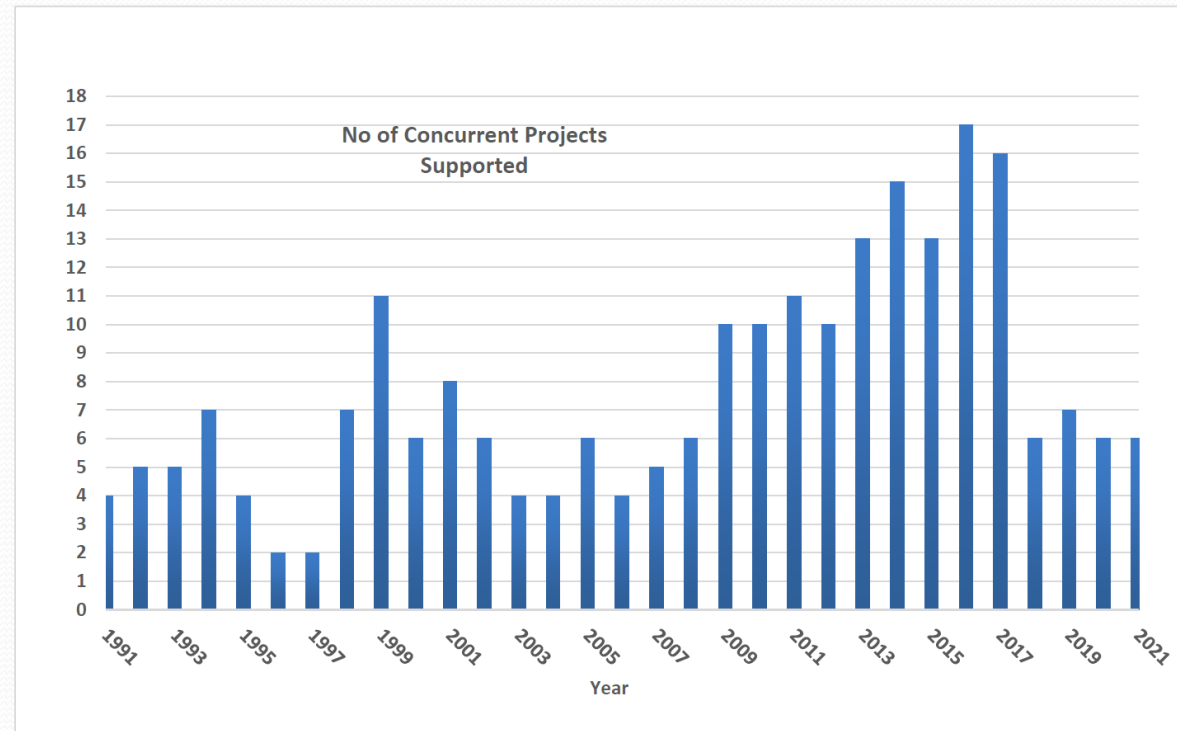
ASEG Service Certificate: **Fiona Duncan**

ASEG Honorary Membership: **Greg Street, Henk van Paridon.**

The recording of the event is available on our [ASEG YouTube channel](https://www.youtube.com/ASEGvideos)
[youtube.com/ASEGvideos](https://www.youtube.com/ASEGvideos)



Supported the ASEG Research Foundation

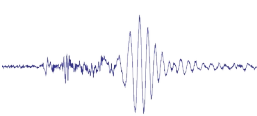


- Chair: Phil Harman
- 27 members
- 3 new projects supported 2021
- 3 new projects supported 2020
- Launched the inaugural Richard Lane Scholarship

2021 Winner Richard Lane Scholarship

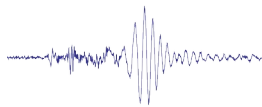


The winner of the inaugural Richard Lane Scholarship is **Zak Weidinger** from University of Tasmania School of Natural Sciences, Earth Sciences. Zak is undertaking an Honours degree in Geophysics and is to be awarded \$5,000. Zak's supervisors are Dr Matthew Cracknell, Dr Clare Miller and Dr Michael Roach.



Performed our due diligence..

- Renewed professional secretariat contract: The Association Specialists until 2023
- Proposed constitution updates to conform to ASIC director definitions
- Adopted a new Code of Conduct
- Converted meeting management to use OurCatHerder
- Investigated website and member database options to future-safe our website and member information



Updates from the Committees

Web Committee

Chaired by Ian James

Sessions increased by 23%, 29 297 sessions in the year, in the last year compared, users up 19% to 17992

Preview is our most popular page, followed by Events

Books are popular- coming in at 5th and 7th most popular pages on the website

Exploration Geophysics and its predecessor ASEG Bulletin are all available as PDFs on the ASEG website

Another workshop online (MAG21)

417 followers on our YouTube channel

52 ASEG webinars have been held in 2 years since they commenced, 17 in the last year

YouTube had 7116 views in the last year, 18617 since it went up

Subscriptions up 5.5%, shares up 128.8%

Sessions
29,297
↑ 23.0%

Users
17,992
↑ 19.4%

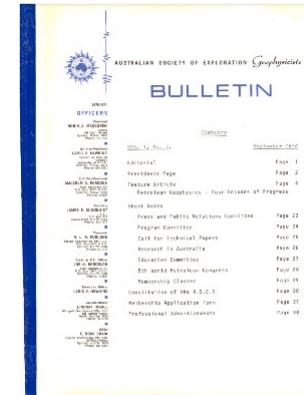


Table 1. Percentage of website users identifying as female

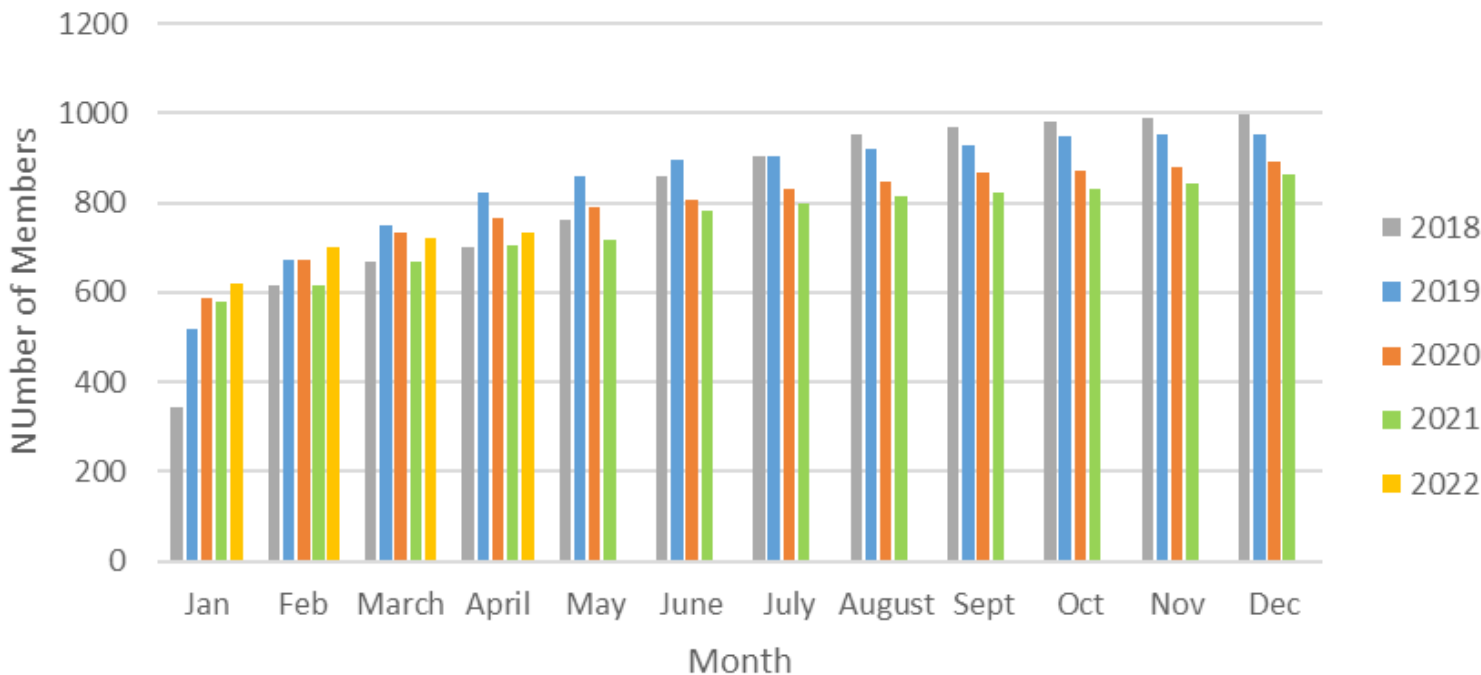
Year	Female users
2017	30.3%
2018	31.9%
2019	32.1%
2020	33.1%
2021	34.4%

Page ?	Pageviews ?
	58,018 % of Total: 100.00% (58,018)
1. /	12,756 (21.99%)
2. /user	3,277 (5.65%)
3. /publications/PVCurrent	3,249 (5.60%)
4. /events	2,288 (3.94%)
5. /publications/geological-interpretation-aeromagnet ic-data	1,436 (2.48%)
6. /members/overview	1,070 (1.84%)
7. /measuring-terrestrial-magnetism	850 (1.47%)
8. /publications/publications-members-only	820 (1.41%)
9. /2016-near-surface-passive-seismic-surveying	766 (1.32%)
10. /cart	747 (1.29%)

Membership Committee

- Chaired by Suzanne Haydon
- Corporate prospectus updated
- Promising trend with membership numbers this year
- Started using SMS reminders for members who forget to renew

ASEG 2019/2020/2021/2022
Total Membership by month



Australian Society of
Exploration Geophysicists

Partnering with ASEG demonstrates your commitment to promoting the science of exploration geophysics, encouragement of closer understanding and cooperation between geoscientists and patronage of education and professional development in geophysics.

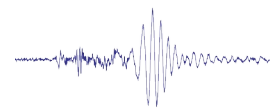
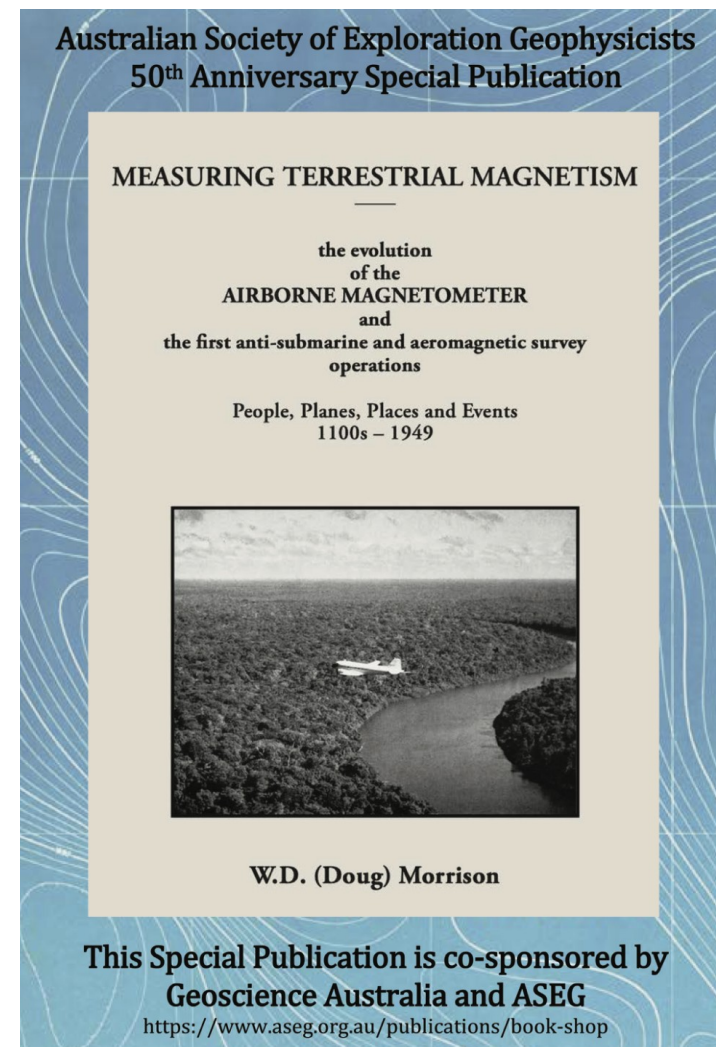
As an ASEG corporate member you can promote your membership and support of ASEG's aims through your webpage and company material

2022 Corporate Membership benefits	2022 Corporate Plus Membership benefits
Rate = \$1200 (+GST), plus optional add-ons	Rate = \$3160 (+GST), plus optional add-ons
Value in excess of \$1500	Value in excess of \$5700
Research Foundation \$950 of your Corporate Membership fee (80%) is a fully tax-deductible donation to the ASEG Research Foundation. Add-on a further tax-deductible donation: Increase your donation by any amount	Research Foundation \$2500 of your Corporate Plus Membership fee (80%) is a fully tax-deductible donation to the ASEG Research Foundation. Add-on a further tax-deductible donation: Increase your donation by any amount
Nominated Company Representative Benefits Includes full member benefits for the nominated company representative - Branch meeting attendance, social events, hardcopy Preview, ASEG website member-only access, Exploration Geophysics online, conference/workshop registration discounts Add-on a membership bundle: Add any number of personal memberships (paid at the applicable rate for each) and SAVE time and effort through direct invoicing rather than personal expense claims	Nominated Company Representative Benefits Includes full member benefits for the nominated company representative - Branch meeting attendance, social events, hardcopy Preview, ASEG website member-only access, Exploration Geophysics online, conference/workshop registration discount Add-on a membership bundle: Add any number of personal memberships (paid at the applicable rate for each) and SAVE time and effort through direct invoicing rather than personal expense claims
Receive ASEG Publications in hardcopy and electronic Hardcopy Exploration Geophysics - one copy of each issue delivered to the company address Hardcopy Preview - five copies of each issue delivered to the company address Online Exploration Geophysics is available to the company representative Preview and ASEG News are freely available to all via the ASEG website	Receive ASEG Publications in hardcopy and electronic Hardcopy Exploration Geophysics - one copy of each issue delivered to the company address Hardcopy Preview - five copies of each issue delivered to the company address Online Exploration Geophysics is available to the company representative Preview and ASEG News are freely available to all via the ASEG website
Promote your company with ASEG's Preview magazine Colour logo and company contact details inside the front cover Opportunity to negotiate discounted advertising rates with the publisher Preview is distributed to members and is freely available on the web. Non-members can sign up to be notified when a new edition is published	Promote your company with ASEG's Preview magazine Your colour logo on the front cover of Preview Colour logo and company contact details inside the front cover Invitation to submit a 1-page article per year promoting your people, innovations, products and services (editor discretion applies) Opportunity to negotiate discounted advertising rates with the publisher Preview is distributed to members and is freely available on the web. Non-members can sign up to be notified when a new edition is published
Promote your company on ASEG's website Static company logo in black/white on ASEG's homepage Listing on ASEG's Corporate Member webpage with live greyscale logo, company contact details and a short company biography Advertise vacancies without charge on the ASEG's member-only jobs board	Promote your company on ASEG's website Colour company logo with link to your website from ASEG's homepage Listing on ASEG's Corporate Member webpage with live colour logo, company contact details and a short company biography Advertise vacancies without charge on the ASEG's member-only jobs board
Promote your company with ASEG's Newsletter Acknowledgement of your corporate membership Colour logo (static) published in each monthly edition, emailed directly to members and subscribers	Promote your company with ASEG's Newsletter Acknowledgement of your corporate membership Live colour logo published in each monthly edition, emailed directly to members and subscribers
ASEG acknowledges your support at branch meetings and webinars At the beginning of Branch technical meetings and webinars your logo will be displayed in colour alongside other corporate sponsors with thanks for your support of ASEG	ASEG acknowledges your support at branch meetings and webinars At the beginning of Branch technical meetings and webinars your logo will be displayed in colour alongside other corporate sponsors with thanks for your support of ASEG
Ask your tax accountant about claiming your ASEG corporate membership as a business expense	Ask your tax accountant about claiming your ASEG corporate membership as a business expense

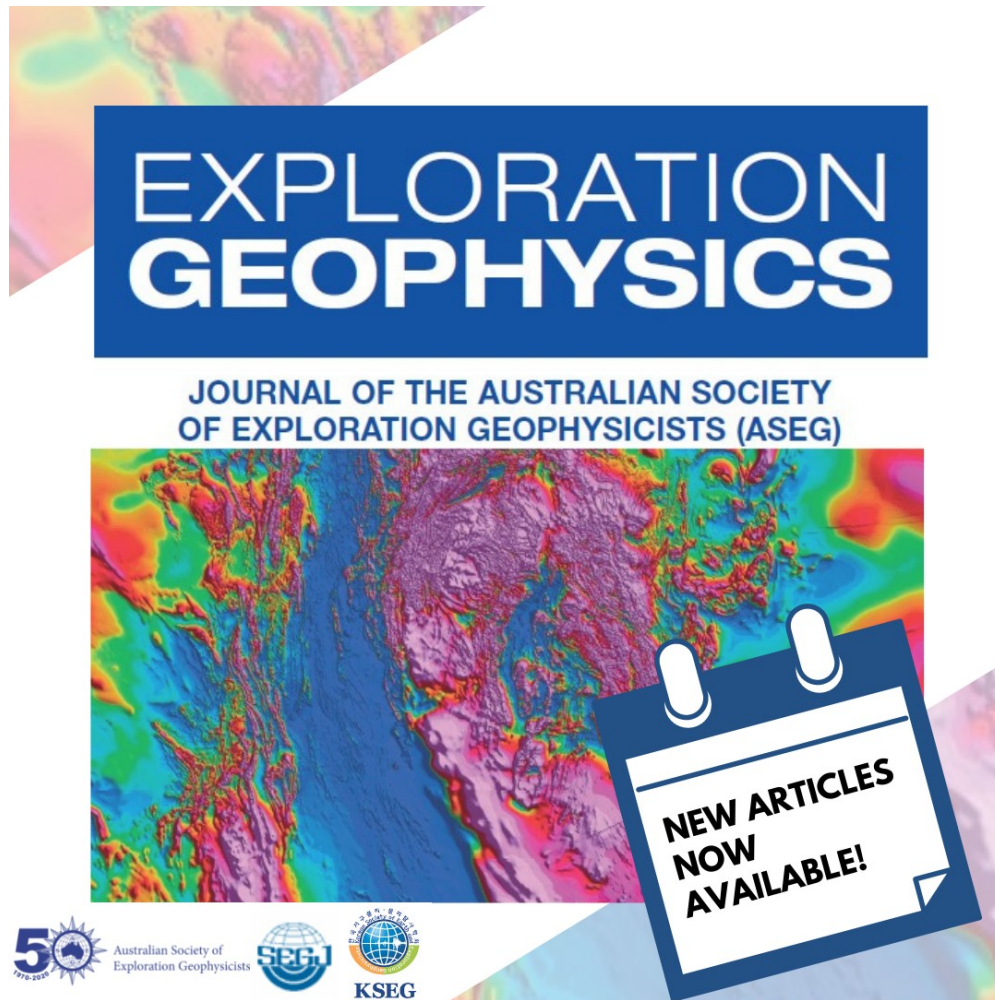
Please contact the ASEG secretariat at secretary@aseg.org.au or on +61 (02) 9431 8622.

Publications Committee

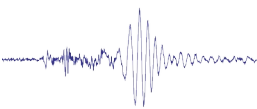
- Chaired by Ted Tyne
- **ASEG and AEGC Conference Extended Abstracts**
- *ASEG Extended Abstracts Digital Library* (1987 - 2021) is now available free-online via the T&F *ASEG Extended Abstract* site and the ASEG website
- **ASEG Special Publication 2021**
- *Measuring Terrestrial Magnetism* - W. D. (Doug) Morrison
- Published by the ASEG and Co-Sponsored by Geoscience Australia and the ASEG



Publication- *Exploration Geophysics*



- Chief Editor: Mark Lackie
- Celebrating 52nd Year, now international in scope
- Published online bi-monthly on behalf of the ASEG, SEGJ and KSEG by ASEG Publisher, Taylor & Francis (T&F)
- Chief Editor EG, Editors for SEGJ and KSEG and large number of Associate Editors and Reviewers are working successfully with T&F publication workflow - production and online publication of 2022 Exploration Geophysics on schedule
- Exploration Geophysics 2022 Volume 53 Issue 1 and 2 now available on T&F and ASEG websites exclusively for Members and institutional subscribers
- T&F ASEG Exploration Geophysics online digital library receives more than 100,000 read/downloads annually
- Exploration Geophysics Digital Library (1970 - 2022) Vol 1 to Vol 52 now also available exclusively for ASEG Members on ASEG website
- Special Issues of Exploration Geophysics planned for 2023:
- "High Resolution Geophysics and Non-Destructive Testing for Archaeology and Monumental Heritage" &
- "Lithospheric to deposit scale magnetotellurics advancements including AusLAMP in Australia"



Publications- *Preview*

- Editor: Lisa Worrall, Assistant Editor: Theo Aravanis
- *Preview*, celebrating 36 Years, with a global readership
- *Preview* is published open access bi-monthly by ASEG Publisher T&F
- *Preview* Editor and Associate Editors have been delivering outstanding issues for past eight years with a wide range of feature articles of interest to exploration geophysicists and the broader resources sector
- *Preview* is our Society's widely-regarded flagship magazine and our frontline rich-content communications channel with our Membership, the broader resources industry, governments, universities, earth science research/teaching & CSIRO and CRC institutes as well as public interest earth science groups and the Australian community.
- *Preview* publishes the latest ASEG activities, initiatives, Branch news and event information as well as news and views relevant to exploration geophysicists and the broader mineral and energy sectors, environmental and geo-hazard areas
- *Preview* is the only Australian publication with comprehensive up-to-date details of National and State/territory Geological Survey and Government exploration initiatives, geophysical survey coverages and geophysical data and information releases



- ## Facilitating the provision of continuing education to ASEG members

- ## Encouraging school kids to study geophysics

- ## Supporting universities to teach geophysics

- o Set up annual survey of geophysics teaching in Australian universities to track changes in offerings


- # training in geophysics

THE CONVERSATION

Academic rigour. journalistic flair

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Australia badly needs earth science skills, but universities are cutting the supply

Published: July 26, 2021 12:15pm AEST

Photo: Adam Bailey. Geoscience Australia. Author provided (no reuse)

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Earth science is vital to Australia's economic and environmental future but we are dramatically decreasing our earth science capability. Earth scientists work not only in mining and mineral exploration (which contribute 11% of Australia's GDP) but also in fields such as environmental science, groundwater monitoring for the

Author

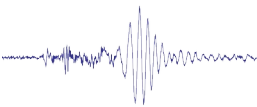


Kate Selway

Senior Research Fellow, Future Industries Institute,
University of South Australia

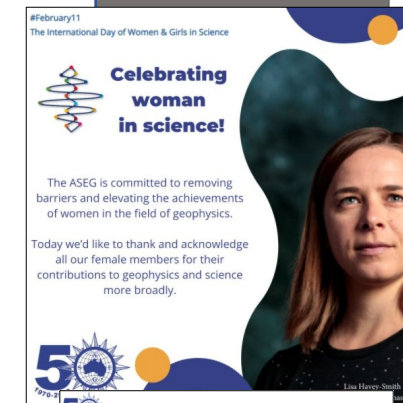
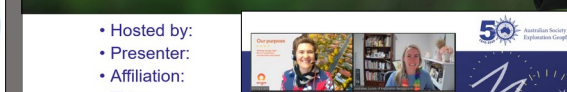
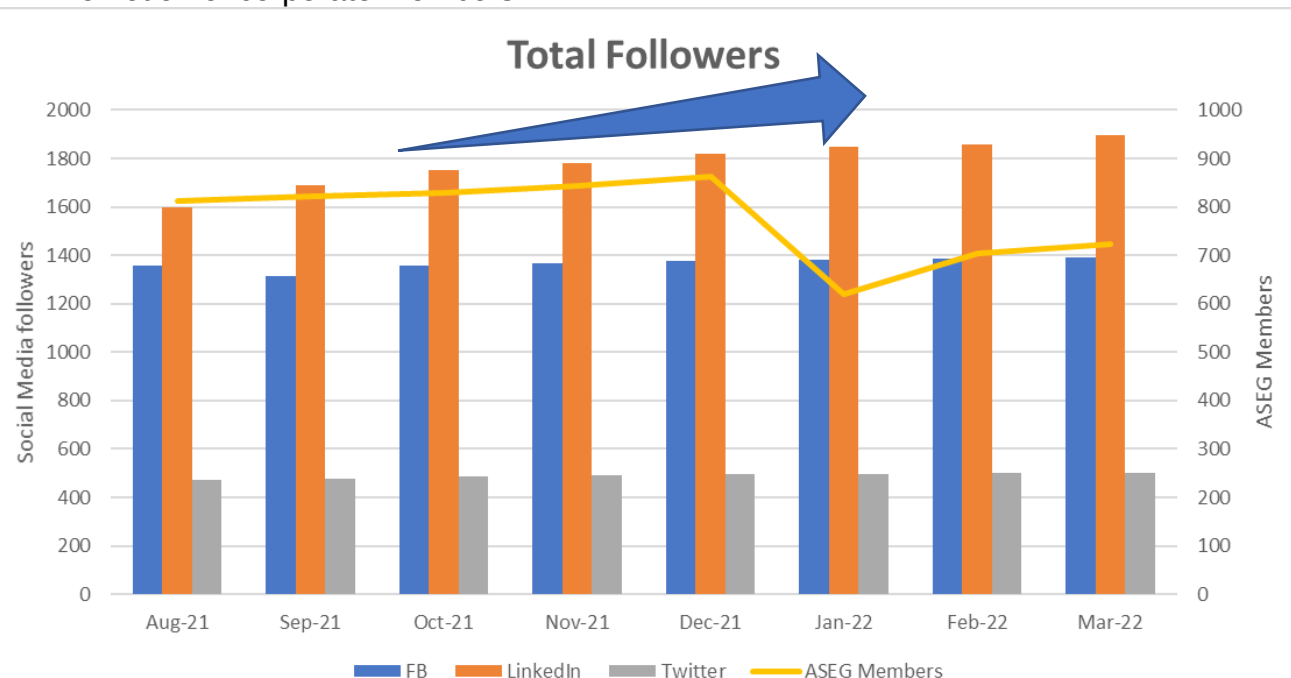
Diversity Committee

- Chaired by Emma Brand
- Established the Diversity Committee with approval of the FedEx at the June 2021 Federal Executive Meeting
- The approved objectives of the committee are to:
 - Establish a baseline of diversity and inclusion data for the ASEG
 - Develop a 3-Year Plan that will ensure delivery of the ASEG's commitment to diversity and inclusion
- The committee is actively sourcing current research and literature on the approaches to building a diversity and inclusion plan
- ASEG specific Acknowledgement of Country has been established



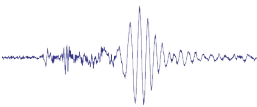
Communications Committee

- Chaired by Mosayeb Khademi Zahedi
- Increased committee numbers
- Developed standard templates to improve visual appeal and consistency of social media posts
- Increased our reach and interaction with our audience
- Promotion of the AEGC 2021 conference
- Regular publication of ASEG Newsletter and added a new list with all past Member Spotlights in one place
- Communication and promotion of geophysics through adverts on events, webinars and grants
- Advertising the publication of Preview and Exploration Geophysics
- Promotion of state branch activities to ensure their events / news is elevated and supported
- Promotion of the young professionals network, trivia nights and the ASEG general events
- Spotlight on volunteers and award winners through social media, Preview and newsletters
- Promotion of corporate members



History Committee

- Chaired by Roger Henderson
- Record the history of ASEG members with oral interviews and written histories.
 - Oral interviews have been conducted to date with Lindsay Thomas, Phil Harmon, and Ken McCracken. Recently, interviews of 12 senior citizens of WA were videoed and 120 Gb of recording is being edited. All will be available on the History website.
 - Recently added to the recollections of prominent members site is the very detailed and colourful career of Patrick Cunneen.
- Develop the milestones of Australia exploration, by methods; electrical, magnetics, seismic, etc., and each management allocated to specific committee members. Recently, airborne magnetic milestones were added from Doug Morrison's book, Measuring Terrestrial Magnetism.
- Submit to Preview, regular articles and Letters to the Editor of historical interest.
- Maintain current on the History site, the virtual equipment museum and digital photo archive (the latter recently incorporating Lew Richardson - 1920s).
- Regularly report new developments and proposed new projects to the 48 members currently on the mailing list.



Young Professionals Special Interest Group

- Chaired by Jarrod Dunne
- Refresh database of YPs and volunteer mentors
- Setup webmail enabling more efficient communication with YPs
- Supported AEGC YP initiatives

Next:

- Try again to install state reps and establish regular communication
- Remote mentoring program
- Encourage each state to hold at least one YP event each year

Technical Standards Committee

- Chaired by Tim Keeping
- Letter by Kim Frankcombe and David Pratt sent to JORC requesting consideration of Geophysics works be signed by suitable experts
- In alignment with JORC, intention to produce general ASEG survey reporting guidelines

Professional Development Committee

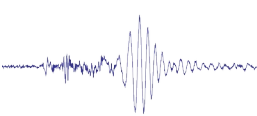
- Chaired by Kate Brand
- Only recently re-invigorated, now has 3 members
- First OzStep to be held later this year, more to come
- Hosting of webinars including energy transition webinars
- Looking to host geophysics for energy transition workshop

Near Surface Special Interest Group

- Chaired by David Annetts then Michael Hatch
- Looking to reinvigorate

International Committee

- Inactive, volunteers welcome



Thank you – outgoing Federal Executive



Dr Ted Tyne



Dr David Annetts



Dr Kate Selway

