2021 CHAPTER REPORT

Each national chapter is required by IAH Rule 6.5 to provide an annual report on its activities. This helps us to report the Association’s activities and is published on the IAH web site. It is also expected that, under the terms of the chapter’s constitution or rules, the national committee will make an annual report to members in their country.

1. ABOUT YOU

<table>
<thead>
<tr>
<th>Your name</th>
<th>Kelly-Jane Wallis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Email address</td>
<td><a href="mailto:kwallis@sirconsulting.com">kwallis@sirconsulting.com</a></td>
</tr>
<tr>
<td>Role/responsibility held in chapter</td>
<td>President of Australia</td>
</tr>
</tbody>
</table>

2. YOUR CHAPTER’S INFORMATION

<table>
<thead>
<tr>
<th>Is your chapter’s information correct on IAH’s website: <a href="https://iah.org/groups/national-chapters">https://iah.org/groups/national-chapters</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
</tr>
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</table>

Please tell us of any changes now and each time a new committee is chosen.

<table>
<thead>
<tr>
<th>Does your chapter have its own website? If so, please confirm the URL.</th>
</tr>
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<tbody>
<tr>
<td>Yes</td>
</tr>
<tr>
<td><a href="https://www.iah.org.au/">https://www.iah.org.au/</a></td>
</tr>
<tr>
<td>Secretary: Cathy Reidy</td>
</tr>
<tr>
<td>(<a href="mailto:secretarial@iah.org.au">secretarial@iah.org.au</a>)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Would you be interested in IAH hosting your chapter’s website/providing support? As an example, see <a href="https://germany.iah.org/">https://germany.iah.org/</a>.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thank you, however we have invested time and money into our own website over the last couple of years and would prefer it continues as is</td>
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<table>
<thead>
<tr>
<th>Does your chapter have an elected committee?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes, elections are held at an Annual General Meeting. This meeting is held online.</td>
</tr>
<tr>
<td>If yes, how often are elections held and how are they managed e.g. postal/email vote/at meetings?</td>
</tr>
<tr>
<td>Yes, elections are held at an Annual General Meeting. This meeting is held online.</td>
</tr>
</tbody>
</table>

3. LOCAL MEMBERSHIP

<table>
<thead>
<tr>
<th>How is local membership status and trends? e.g. stable, declining, increasing.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approximately stable at about 525 members. Member numbers fluctuate with the groundwater conference.</td>
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</table>

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<thead>
<tr>
<th>What are your challenges to recruitment? e.g. volunteer time/limitation, IAH fee rates, competition from other societies, language, etc.</th>
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<tbody>
<tr>
<td>Volunteer time is our biggest challenge. For this purpose our secretary is a part time paid position. This is also challenging as it creates financial stress to the Chapter</td>
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</tbody>
</table>
## 4. YOUR CHAPTER’S ACTIVITIES IN 2021

| Did your chapter hold an annual meeting (AGM-style)? If so, please advise: | Yes  
Thursday, 20 January 2022 5:30 PM-6:30 PM  
Online  
29 attended |
| --- | --- |
| - Date and place of meeting  
- Approximate number attending |  
| Did your chapter hold other events e.g. technical and scientific meetings, seminars, conferences, field visits, training events? | A summary of events is found on the last page of this document.  
- Yes, events are open to IAH non-members  
- There was an event in partnership with others: AIG, GSA, PESA and ASEG for an industry wide Student-Industry Mixer Event |
| - If you have already reported these to the IAH Secretariat, only summary information is required.  
- If not, please provide a summary of dates, location, number of participants, topics, etc. and how successful you felt each event was.  
- Do you have photos we can use?  
- Are your events open to IAH non-members?  
- Did you hold events in partnership with others e.g. a national society, company, institution? | |

## 5. YOUR CHAPTER’S PLANS

| Do you have any activities or tasks planned for 2022?  
If yes, please provide brief details, including if your plans are limited because of e.g. lack of funds or local interest/volunteer support to help | Yes, we have the Australasian Groundwater Conference in November 2022. We have dedicated and motivated people to get this up and running.  
Each state also organises technical talks and networking events |
| --- | --- |

## 6. ADDITIONAL COMMENTS

<p>| Please use this section to make any additional comments/suggestions e.g. what support from IAH centrally might assist your chapter, future plans you would like to see for IAH | IAH Australia does not need any assistance as such, however, I would like to see how the National Chapters can collaborate to some degree. |</p>
<table>
<thead>
<tr>
<th>Month 2021</th>
<th>Event Title and Details</th>
</tr>
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</table>
| March      | Jeremy Haynes - Application of Oil and Gas Production Technologies for Mine Dewatering in Complex Environments  
            When: 5:00pm-5:45pm, March 4  
            Where: Teams (online)  
            Professor John Webb - Nitrate and Ammonia in Melbourne Groundwater  
            When: March 9  
            Where: Teams online - Vic  
            Ian Callow - Rio Tinto  
            Hydrogeological challenges in operations the Diavik Diamond Mine in the Canadian Artic  
            When: 5:00pm-5:45pm, March 25  
            Where: Online  
            Anastasia Boronia/Geoff Beale - Open Pit Slope Depressurisation Study for Olimpiada Gold Mine  
            When: March 31  
            Where: Online - WA |
| April      | Neil Mainwell AGE  
            Setting your groundwater models free; overcoming false accuracy using rapid data assimilation”.  
            Where: QUT Gardens Point, Block S, room S-408 + Townsville live event  
            When: Thursday 22 April, 5-7pm |
| May        | Ian Acworth - Don’t Forget the Geology in Hydrogeology  
            When: May 11  
            Where: Online NSW  
            Social Event  
            When: 5:30pm, May 20  
            Where: Buffalo Bar, 169 Mary St, Brisbane CBD  
            (QR scan Check in on arrival)  
            Cost: IAH Members free, Non-members $10 (including students) |
| June       | WA Mid-Year Social Night  
            Where: Shoe Bar & Cafe  
            When: June 24  
            Title: Springs and spring water uses in France and Europe  
            Presenter: Alexis Valenza, Valenza Engineering  
            Where: Vic online  
            When: June 22 |
| July      | **Presenter:** Noel Merrick  
|          | **Title:** Reminiscences of Pioneering Days in Groundwater Monitoring, Groundwater Geophysics and Groundwater Modelling in NSW  
|          | **When:** July 20  
|          | **Where:** NSW online  
|          | **Title:** Discount of delineation of a groundwater mineral resource  
|          | **Presenter:** Chris Shaw  
|          | **Where:** Central Park & online  
|          | **When:** Tues, July 20  
|          | **Title:** Periodic hydraulic testing methods for estimating subsurface hydraulic properties  
|          | **Presenter:** Chris Turange  
|          | **Where:** SA Online  
|          | **When:** July 26  
|          | **Title:** Avoiding “Day Zero”, by using an MAR approach in South Africa  
|          | **Presenter:** Hugo Marais, Principal Hydrogeologist, Advisian, Brisbane, QLD, Australia  
|          | **When:** 5pm, Wednesday the 28th of July  
|          | **Where:** Live Teams event  
| Aug      | **Title:** Recollections from early years in hydrogeology  
|          | **Presenter:** Don Woolley  
|          | **Where:** NSW online  
|          | **When:** Aug 10  
| Sept     | **Title:** Simulation of complex spatial structures in a Bayesian inversion framework for uncertainty quantification  
|          | **Presenter:** Guillaume Pirot  
|          | **Where:** Qld online  
|          | **When:** Sept 7  
|          | **Title:** The Beginnings of Groundwater Use by Hominins and its key to Migrations by Homo Erectus across Africa  
|          | **Presenter:** Professor Michael Knight  
|          | **When:** Sept 14  
|          | **Where:** IAH NSW online  
|          | **Presenter:** Chris Dickinson, Principal Hydrogeologist at KCB  
|          | **Title:** Conceptualisation of the Condamine Alluvium  
|          | **When:** 5pm, Thursday, Sept 16  
<p>|          | <strong>Where:</strong> Live Teams event |</p>
<table>
<thead>
<tr>
<th>Date</th>
<th>Title</th>
<th>Presenter</th>
<th>Where</th>
<th>When</th>
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<tbody>
<tr>
<td>Oct</td>
<td><strong>Dating Groundwater - Some perspectives on an often-misunderstood pursuit</strong></td>
<td>Ian Cartwright</td>
<td>Online</td>
<td>Sept 28</td>
</tr>
<tr>
<td></td>
<td><strong>Hydrogeology from the 1990s - Contaminated Sites</strong></td>
<td>Rod Harwood</td>
<td>Online NSW</td>
<td>Oct 12</td>
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<tr>
<td></td>
<td>AIG, GSA, PESA and ASEG for an industry wide Student-Industry Mixer Event.</td>
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<td></td>
<td><strong>(Re) Building landscapes: Groundwater in complex closure designs</strong></td>
<td>Kirsty Beckett</td>
<td>Central Park, Perth &amp; Online</td>
<td>Oct 14</td>
</tr>
<tr>
<td>Nov</td>
<td><strong>Underground Water Impact Report (UWIR) 2021 for the Surat Cumulative Management Area in Queensland, Australia.</strong></td>
<td>Sanjeev Pandey (Ann Bui)</td>
<td>1 William St, 4000 Brisbane and Online</td>
<td>Nov 18</td>
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<tr>
<td></td>
<td><strong>WA Student Night &amp; AGM Agenda</strong></td>
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<td>Nov 25</td>
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<td></td>
<td><strong>Dec NSW Tech talk &amp; Social EOY</strong></td>
<td>Professor Bradley Moggridge</td>
<td>Online 7 WSP Office, Sydney</td>
<td>Dec 14</td>
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<td></td>
<td><strong>Qld Christmas event</strong></td>
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<td>1st Dec</td>
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