

Minutes

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| Meeting of: | Smart Water Infrastructure Group AGM |
| Date and Time: | Wednesday, 3 rd November 2021, 9am |
| Venue: | Teams |

Committee Members:

Michael Howden
 Rachael Casey (Chair)
 Nasrine Tomasi
 Bruce Franks
 Hugh Blake-Manson
 Andy Gaul
 Mark Homenuke
 Iain Partington
 Katrina Guy
 Noel Roberts

Apologies

Carl Eden
 Lesley Smith
 Andrew Deutsche

Wider Group Attendance

Cassandra Yang
 David Wyllie
 Peter Mitchell
 Mike Mooyman
 Chris Miller
 Andrew Duffy
 Greg Preston
 Joe Xie
 Richard Bax
 Mike Hills

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| 1. | Chairs Report Michael Howden was the original chair but stepped down effective immediately when he joined Taumata Arowai. However, since he reinvigorated the SWIG it was only right for him to round to give the chairs report. |
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For the past two years Michael has been the chair for the SWIG. It was Michael's brain child and Steve Couper had been the previous chair but it had fallen in hibernation and needed a bit of energy and engagement and Michael mistakenly got up at Water New Zealand about this idea of digital twin with Water New Zealand and there was a conversation between one of Michael's General Managers and Steve Couper and Michael's name was mentioned to kick this into action. Over the past two years we have managed to get a really engaged committee involved. A big thank you to all the committee members.

Terms of Reference

Michael shared the terms of reference which the committee spent a bit of time at the beginning of the year to pull this together. What can we do as a voluntary group and much can we enable the entire sector? Our mission statement "To share our collective knowledge and experiences of digital and smart water initiatives and solutions, collaboration together and strive towards standards and consistent approaches to enhance the sector". We are a small country. I think we have a lot of opportunity here. We have a lot of opportunity to be innovative but if we try to innovate 67 times or 75,000 times we will not get as far as if we do it together. There was brainstorming around what we meant by smart and so the list created hopefully something on the list will resonate with you. If you are looking at the list and saying what smart means to me isn't on the list, please let us know. We are very keen to make sure that we are engaging with the right people and talking about the right things.

2020/2021 Workplan

The 2020/2021 workplan which was put together at the start of the year and now has evolved into actually what we have done. What we have done in the past year. Really emphasizing what we have done has dependent on what we as committee members and the broader community is able to volunteer to support. A big thank you to everyone who has contributed to any of the events happening.

One of the big events was the three waters data standards workshop and networking event. It was an interesting format for an event where we had a co-located hybrid event across four locations. Talking about some 3 water asset data standards. Greg Preston hosted in Christchurch, Rachael Casey hosted in Cambridge, Michael in Wellington and Andy Gaul facilitated the online component. In total we had around 70 people join either face to face or online. There were some very great presentations and korero. It was an interesting format and would be interesting to see how we can replicate that in the coming year.

We had a couple of webinars during the year with presentations from Greg Ryan from WSAA. Who presented on the digital transformation going on in Australia. The second webinar was case studies.

The Conference workshop is proceeding and will be presented in February. This is running in conjunction with the WeCan Water Group.

So really it has just been a couple of webinars, a workshop and another workshop planned. So not a huge amount but exponentially more than the year before an infinitely more than the year before that. It is a case of growing and a case of building a coalition of the engaged people and I think it is really about hearing both what the community will be interested in and attending and what they will get value out of. But it needs to be met with people that are willing to contribute some of their time to help to arrange these things.

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| | <p>One thing we did talk about was potentially, is there value in us producing a newsletter, to share what is going on in digital communication and I think one of the things we probably struggled with someone that is really keen to work in that communications space. Sharing more updates, sharing material on linkedin. This would a very valuable contribution to the group.</p> |
| <p>2.</p> | <p>Election of new committee Nominees received</p> <ul style="list-style-type: none"> • Joe Xie, Hastings District Council • David Wyllie, Tonkin & Taylor • Chris Miller, Hynds • Michael Howden, Taumata Arowai <p>All accepted into the committee</p> <p>Stepping down</p> <ul style="list-style-type: none"> • Andrew Deutsche, Watercare <p>Nominees introduced themselves</p> <ul style="list-style-type: none"> • David Wyllie, Tonkin & Taylor – Technical Director for Digital Innovation. David has been involved data around the water industry and innovation for that last 35 years. Has been involved with most of the items listed on the Workplan. Really keen to see if we can start sharing more of what we are doing. David is a fan of helping the water sector to get more from its data. There is a huge amount that they have now. There are better ways in capturing data and there is a huge amount of insight we can bring to the table which is what he is trying to do for clients but really keen to see this spread across the whole industry. And getting data standards in place makes it easier for everyone. • Joe Xie – Hastings District Council – 3 Waters Modelling & Data Analyst. Joe has been in this role for the last 10 months previous to this he was an engineer with Whakatane District Council. Joe is keen on the data management feeds into modelling. So in the next three to five years I’m passionate on how we move our model to a real time model on the IoT solutions and automation on updating our hydraulic model as well. So very keen to explore the smart solution for the group and the wider community. • Michael Howden, Taumata Arowai – Data and Insights Manager Michael is hoping to provide a link between where the regulator is going and how the regulator will be engaging with the sector. Also a channel to hear back from the sector to share information. Really to be that conduit is how I see things going. This is where I hope to add value and I certainly have a lot of ideas of where we could go but keen to see a community off practice starting to develop to help move us forward. • Chris Miller, Hynds Smarter Water – Commercial and Sales Manager I have been involved in the water industry for over 30 years. Hynds as the wider group has a massive passion for environmentally sustainable solutions for our 3 waters infrastructure. The development of Hynds Smarter Water three years ago was based on the concept we have a lot of infrastructure that doesn’t provide us with a lot of information, and we don’t have a lot of ability to measure or manager that infrastructure. So Hynds Smarter Water is key in the Hynds Group to dealing with IoT development of products in New |

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| | <p>Zealand, designed manufactured and built in New Zealand to suit our infrastructure. So we have a huge amount of contact with customers and their needs and requirements and we build to those. One of the things I would like to do with any level of engagement with SWIG is that we do have all that customer engagement we can bring that connection to the group in any form that is required but I would also like to be part of the journey we are on to make sure that what we produce is sustainable, realistic and reliable. One of the challenges we have had significantly overtime with equipment coming into this space is that it belongs in other industries and cobbling it into our infrastructure to get the right results hasn't got us there. So when we talk about standards, expectations it needs to be base on New Zealand's three waters infrastructure not somebody else's idea what we should do necessarily. Particularly with the regularity authority Taumata Arowai coming on board to give us more universal guidance. I think that is an important aspect for us to be able to work together from a manufacturing and production point of view, customer engagement as well as the regularity authority and various council entities that have to deliver on it. Chris is happy to help in anyway shape or form that the group will allow.</p> <p>The committee going forward:</p> <ul style="list-style-type: none">  Rachael Casey, Waipa District Council  Michael Howden, Taumata Arowai  Nasrine Tomasi, Mott MacDonald  Carl Eden, Idexx Laboratories  Hugh Blake-Manson, Waugh Infrastructure Management  Bruce Franks, Arthur D Riley  Andy Gaul, Nelmac  Iain Partington, GHD  Chris Miller, Hynds  Joe Xie, Hastings District Council  David Wyllie, Tonkin + Taylor  Lesley Smith, Noel Roberts, Katrina Guy, Water New Zealand <p>At the next committee meeting the election of the Chair and Deputy Chair will take place.</p> |
| 3. | <p>Potential Workplan for 2022</p> <ul style="list-style-type: none"> • More engagement with WSAA <ul style="list-style-type: none"> ○ Greg Preston has been talking to Greg Ryan and is volved in a couple of their groups and will be happy to report back through the SWIG • IoT journey • Engaging with 3 waters • Newsletter • Closer link to DIA transformation group • Melbourne water webinar • More engagement with IPEWA |
| 4. | <p>AOB</p> <ul style="list-style-type: none"> • Greg Preston asked if any council members here that maybe they would like to join the asset data quality project. Please contact Greg Preston or Rachael Casey. This is the codes of practice the BIP are producing. In terms of a data quality dashboard that we have been engaging with. We have presented on this last year and happy to do that again for next year's workplan. 28 councils |

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| | <p>are in the pipe portal and 11 have data quality matrix that BIP have developed for them. Includes Waikato, Wellington Water and Southland District Council.</p> <ul style="list-style-type: none">• LinkedIn https://www.linkedin.com/groups/10430128/ |
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AGM Closed 10am