



Modelling Group  
WATER NEW ZEALAND



# Water New Zealand Modelling Symposium

16 – 17 March 2022, Online

## FINAL PROGRAMME

### Day One – Wednesday 16 March

<b>8.30am</b>	<i>Access to Symposium opens – technology checks</i>
<b>8.45am</b>	Mihi – Peter Jackson
<b>9.00am</b>	Welcome – <i>Fiona Macdonald, Chair, Modelling Group</i>
<b>9.10am</b>	Symposium Opening – Gillian Blythe, CE Water New Zealand
<b>9.20am</b>	<b>Dr Judy Lawrence, Senior Research Fellow School of Geography, Environment &amp; Earth Sciences, VUW – Cascading impacts of climate change on infrastructures</b>
<b>10.05am</b>	Morning tea
<b>10.15am</b>	Word from our sponsor – Mott MacDonald
<b>10.20am</b>	Calibration using SCADA – Ali Paine, Stantec
<b>10.50am</b>	Quiz question
<b>10.55am</b>	Streamlining Minimum Floor Level Advice – Ivan Kholodov, Wellington Water
<b>11.25am</b>	Quiz question
<b>11.30am</b>	<b>David Ward, WSL – Perspective on the last 22 years</b>
<b>12.00pm</b>	Word from one of our sponsors – Hydraulic Analysis Ltd
<b>12.05pm</b>	Lunch
<b>12.50pm</b>	The Importance of sensitivity tests – Andrew Sherson, Stantec
<b>1.20pm</b>	Quiz question
<b>1.25pm</b>	Rainwater Tank Calculator Tool to optimise rainwater tank size – Wui-Shen Tay, Auckland Council
<b>1.55pm</b>	Quiz question
<b>2.00pm</b>	Flood Forecasting using Machine Learning – Nasrine Tomasi, Mott MacDonald
<b>2.30pm</b>	Afternoon tea
<b>2.45pm</b>	Dynamic Modelling of Hydrogen Sulphide in Auckland's Sewer System, Marion Foglia & Kalyan Chakravarthy, DHI Group
<b>3.15pm</b>	Virtual Site Visit - MetService
<b>4.15pm</b>	Closing remarks
<b>5.00pm</b>	Regional networking to be advised closer to time



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### Day Two – Thursday 17 March

8.45am	Access to Symposium – technology checks
9.00am	Day 2 Opening comments – Fiona Macdonald, Chair, Modelling Group
9.05am	Modelling Group AGM <ul style="list-style-type: none"> <li>Chairs Report</li> <li>Election of Committee Members</li> </ul>
9.30am	<b>Michael Howden, Data &amp; Insights Manager, Taumata Arowai</b>
10.15am	Morning Tea
10.30am	Assessing Flood Impacts – Flood hazard and how to use it – Michael Arthur, Metis Consulting
11.00am	Quiz question
11.05am	Validation of the Waikato R2R InfoWorks Model: A crucial tool for improving Auckland's drought resilience – Brendon Harkness, Watercare & Kirwin Tan, GHD
11.35am	<b>Rob Blakemore, Wellington Water - Capturing Our Water Supply Sources Before It's Too Late</b>
12.15pm	Word from one of our sponsors – Jeff Booth
12.20pm	Lunch
12.50pm	Communicating flood hazard mapping with the public – is it worth the effort? Alistair Osborne & Nadia Nitsche, Wellington Water
1.20pm	Quiz question
1.25pm	Word from sponsor – Tonkin & Taylor
1.30pm	The Modelling Factory – Production line to the future – Nathan Donald, Watercare & Thomas Haarhoff, Mott MacDonald
2.00pm	Regionwide Flood Modelling for Rural Auckland – Cheryl Bai, Auckland Council
2.30pm	Afternoon tea
2.45pm	Updating models – Paraparaumu Beach case study, Carl Johnson & Rathika Jebamony - AWA
3.15pm	Quiz questions recap & Rewards
3.30pm	Closing remarks

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MOTT  
MACDONALD

Tonkin+Taylor

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