



Modelling Group
WATER NEW ZEALAND



Water New Zealand Modelling Symposium

10 – 11 March 2021, Quality Hotel Elms, 456 Papanui Road, Christchurch

PROGRAMME

Day One – Wednesday 10 March

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| 8.30am | Access to Symposium opens – technology checks |
| 9.00am | Welcome and Symposium Opening – Nadia Nitsche, Chair, Modelling Group |
| 9.15am | Keynote Address – Belinda Storey, Climate Acuity |
| 10.00am | Morning Tea |
| 10.15am | Word from one of our sponsors – Hydraulic Analysis Limited |
| 10.30am | Modelling sulphide in ICM to identify corrosion potential – Manu Ward, HAL Consulting |
| 11.00am | Urban Stormwater Modelling Approach – Michael Arthur, Metis Consultants & Kirsten Henden, AWA |
| 11.30am | NRC Region-Wide River flood model – Bertrand Salmi, Water Technology |
| 12.00pm | Lunch |
| 1.00pm | Guest Speaker – Dr Emily Lane, NIWA |
| 1.30pm | An assessment of hydrological models commonly used in NZ – Etienne Gil-Goldbrough, WSP |
| 2.00pm | Noel Roberts, Technical Manager, Water New Zealand & Michael Howden, Beca, Smart Water Infrastructure Chair |
| 2.30pm | Word from one of our sponsors - TufLOW |
| 2.45pm | Afternoon Tea |
| 3.00pm | Stormwater Modelling Guidelines Workshop The Modelling SIG has been working on the development of national modelling guidance for urban stormwater modelling. The SIG sent out a survey in July 2020 to assess the need for such guidelines. 96% of respondents said that these would be helpful to them, with key benefits being consistency, efficiency, and the provision of a minimum standard for work nationally. The survey was followed up by a workshop at the Water New Zealand Conference & Expo in November 2020, which aimed to confirm the topics that should be covered, understand existing guidance used in the industry, and agree which topics are priority. |

Many thanks to our 2021 Sponsors



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| | Based on input from the survey and workshop we are now developing the scope and delivery plan. The scope will be presented at a workshop at the Water NZ Modelling Symposium in March, for feedback from practitioners. |
| 4.30pm | Close day one |

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Day Two – Thursday 11 March

| | |
|---------|---|
| 8.30am | Access to Symposium opens – technology checks |
| 9.00am | Day 2 Opening comments – Nadia Nitsche, Chair, Modelling Group |
| 9.05am | Modelling Group AGM <ul style="list-style-type: none"> Chairs Report Election of Committee Members Terms of Reference |
| 9.30am | ESSS Resilience Master Plan – Mark de Lange, WSP and Murray England, Selwyn District Council |
| 10am | Morning Tea |
| 10.15am | Guest Speaker – Michael Arthur – Metis Consultants |
| 10.45am | Spatial Patterns in HIRDS Rainfall Predictions – Cameron Oliver, BECA |
| 11.15am | Consequence Assessment of Catastrophic Water Main Failures – Jane Hancock, GHD |
| 11.45am | Cut-Down Flood Model as a tool in the Initial design of a rail project – Jennyl Estil, Aurecon Group |
| 12.15pm | Lunch |
| 1.00pm | Gillian Blythe – Water New Zealand |
| 1.45pm | Model Resolution: Lower = faster but at what cost – Haddon Smith, BECA |
| 2.15pm | The Toronto Basement Flooding Capacity Studies – Ali Paine – Stantec |
| 2.45pm | Word from one of our sponsors – Jeff Booth Consulting |
| 3.00pm | Afternoon Tea |
| 3.15pm | Improving Model Accuracy using “optical Bathymetry” Techniques – Matthew Gardner, Land River Sea |
| 3.45pm | Flood Modelling Efficiency with digital automation – Yanni Hooi, GHD |
| 4.15pm | Closing Remarks |
| 4.30pm | Close |

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