

Modelling Committee



Wioletta Gilfoyle, Chair

Principal Three Waters Consultant, Tonkin + Taylor Ltd

Experienced three waters infrastructure planning and modelling engineer with a demonstrated history of working in the civil engineering industry in Poland, UK and New Zealand. Skilled in network modelling and concept design, flood risk management, network asset surveying, water engineering and environmental awareness. Strong engineering professional with a master's degree focused on water supply, wastewater treatment and waste disposal from University of Zielona Gora, Poland. Chartered Water and Environmental Manager.



Alistair Osborne, Deputy Chair

Senior Hydraulic Modeller, Wellington Water

Ali grew up experiencing the monsoons in Bangladesh and India. It instilled in him a love of rain and flooding. He is currently living his best life (or one version of it) as a stormwater modeller at Wellington Water.



Fiona Macdonald

Principal – Flood Risk, Auckland Council

Fiona has 18 years of experience working in water modelling and planning, gained in NZ, Canada, and the UK. In her current role at Auckland Council, she focuses on understanding regional flood risk now and in the future, for which models are an invaluable tool.



René van Lierop

Associate – Land & Water, Aurecon Group

René is a senior member of Aurecon's Land & Water team in Wellington. For over 25 years, René has specialised in numerical modelling, water infrastructure design and erosion protection. Originally from the Netherlands, he is used to deal with flood risk management and finding workable solutions.

He enjoys the outdoors, cycling, cooking, beer brewing and a good glass of wine.



Mike Dunstone
Senior Water Network Planner, Watercare



Peter Kinley
NZ Water Lead, Arup

I come from a civil engineering background and have over 20 years' experience in Infrastructure Planning.

I started in the trenches, literally, as a labourer installing water mains on the Hibiscus Coast. Since then, I have worked for clients and consultants.



Cheryl Bai
Principal – Hydraulic Modelling Delivery, Auckland Council



Elliot Egan
Senior 3 Waters Engineer, Hydraulic Analysis Ltd

Elliot is a 3-waters infrastructure engineer with a range of experience within the 3-Waters industry. Specialising in planning, hydraulic modelling, asset management, and project management. He has experience in key roles across both private and Local Government in NZ.



Kirsten Henden
Senior Stormwater Modeller, WSP

Kirsten has over 7 years' experience in stormwater urban catchment modelling and has been involved in many highly detailed model builds and optioneering studies around New Zealand. In her current role at WSP, she splits her time between team leading and modelling and loves the variety and challenges that come with both.



Paul Haddon
Principal Hydraulic Engineer, Mott MacDonald

A Technical Director with over 15 years of experience in hydraulic modelling and water network planning in the UK and New Zealand.

Specialising in water supply network analysis and design, leading a hydraulic modelling team through modelling projects and planning studies for public and private clients across New Zealand and Australia.



Ajay Desai
Principal Three Waters Engineer, Watres Consulting

Ajay is a Chartered Professional Engineer with specialised skills in design and modelling of three waters-related infrastructure. He has global experience working on three-waters projects in New Zealand, the United Kingdom, and the United Arab Emirates. He has been instrumental in preparing numerous catchment scale hydraulic models, detailed design of networks and preparing integrated catchment management plans and infrastructure reports for private clients as well as for district and regional councils.