

Day 2: 14 November 2018

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| 08:30am | <i>Registration (Tea & Coffee available)</i> | | | |
| 09:00am | Welcome & logistics | <i>Trudy Green, Partnerships and Communications Manager, eWater</i> | | |
| 09:05am | Keynote Presentation | <i>Bruce Rhodes, Manager of Water Resources Management, Melbourne Water</i> <i>Melbourne Water System Strategy and how modelling from the local to regional scale is supporting the adaptive management of the water supply network, and explore future opportunities including big data and integration with WSUD.</i> | | |
| 09:35am | Launch of MUSIC X | <i>Dr Ashis Dey & Jason Smith, eWater</i> | | |
| Peninsula Room | | Board Room | | |
| 9:50am | River Basin Planning & Management | Modelling environmental flow demands in Source Speaker: Jacqui Lloyd, Vic DELWP | Bulk & Urban water management | Headworks optimisation for water security of the Metropolitan Adelaide Water Supply System Speaker: Marc Jericho, SA Water |
| 10:10am | River Basin Planning & Management | Modelling translucent flow rule in Source Speaker: Tahir Hameed, WaterNSW | Bulk & Urban water management | Pushing the boundaries: using Source to advance planning and policy in western Sydney Speaker: Stephanie Kermode, Sydney Water & Andrew Herron, Eco Logical Australia |
| 10:30am | Morning tea | | | |
| 10:50am | River Basin Planning & Management | Modelling environmental water delivery and management in the Source Murray Model Speakers: Samuel Pettett & William Lugg, MDBA | Bulk & Urban water management | Urban Developer plugin for forecasting demand and tools to support best practice modelling in Source. Speaker: Dr Udaya Kularathna, Melbourne Water |
| 11:10am | River Basin Planning & Management | Simulating resources ownership in Source Speaker: Ashok Raut, WaterNSW | Bulk & Urban water management | Building a water decision support system for the ACT Speaker: Dr Danswell Starrs, ACT Healthy Waterways, Environment, Planning and Sustainable Development Directorate |
| 11:30am | River Basin Planning & Management | Modelling demands in Goulburn Irrigation District Using Source "Irrigator" Model Speaker: Khalif Jusuf, Vic DELWP | Bulk & Urban water management | MUSIC's step towards supercomputing and big data – an approach to urban water Speaker: Robert Catchlove, Wave Consulting |
| 11:50am | River Basin Planning & Management | Leveraging expertise to build a better Murrumbidgee Model Speaker: Fangfang Zhao, NSW DOI Water | Bulk & Urban water management | Advancing the data - new rainfall and other data MUSIC modelling Speaker: Dr Dale Browne, E2Designlab |

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| 12:10pm | River Basin Planning & Management | Building Source model for the Belubula Regulated River System to support WRP Speaker: Dr Dushmatta Dutta, NSW DOI | Bulk & Urban water management | Lessons learnt from modelling end of pipe bioretention systems in MUSIC Speaker: Gayani Chandrasena, SMEC |
| 12:30pm | Lunch | | | |
| 1:20pm | River Basin Planning & Management | Using eWater Source for real time river and storage operations in NSW Speaker: Jason Martin, WaterNSW | Bulk & Urban water management | Updating MUSIC guidance for QLD Speaker: Glenn Browning, Water by Design |
| 1:40pm | River Basin Planning & Management | Development of a model for the Donnelly River Basin: iterative calibration of farm dam models and optimisation using custom objective functions Speaker: Katherine Szabo, HARC & Simone McCallum, WA DWER | Bulk & Urban water management | Gross and Plastic pollution Speaker: Andy Hornbuckle, SPEL Environmental |
| 2:00pm | River Basin Planning & Management | Enhancing dynamic sediment modelling in Source: updates to the dSedNet plug-in Speaker: Tony Weber, CSIRO/Alluvium | Bulk & Urban water management | WSUD in the 'real world' - a compilation of condition ratings for over 1400 stormwater control measures in Australia Speaker: Brad Dalrymple, BMTGlobal |
| 2:20pm | Data & model integration | Modelling 100 years of flood closures for the Bruce Highway at hourly time step in Source Speaker: Dr Phillip Jordan, HARC | Bulk & Urban water management | Should Music be used to forecast the maintenance requirements of gross pollutant traps, or is there a better way? Speaker: Ben Penhallurick, RenewSolutions |
| 2:40pm | River Basin Planning & Management | Using Source to determine dam height and infrastructure size. Speaker: Martin Loipersberger, Power & Water Corporation NT | Bulk & Urban water management | Stormwater pollution 101 - the need to reduce the impacts of contaminated stormwater using scientifically valid train approaches. Speaker: Craig Rothleitner, UST |
| 3:00pm | Afternoon tea | | | |
| 3:20pm | River Basin Planning & Management | Practical approaches to estimating uncertainty in hydrological predictions Speaker: Dr David McInerney, University of Adelaide | Discussion session | MUSIC Technical Panel: Future directions for MUSIC X |
| 3:40pm | Source international | Water resources of the Ayeyarwady Basin, Myanmar Speakers: Dr Geoff Adams and Juanita Moolman, eWater | | |
| 4:00pm | Conference Closing, Dr Robert Carr, eWater CEO | | | |