



(correct at 26<sup>th</sup> May 2021, subject to change)

## Tuesday 25<sup>th</sup> May 2021

### Pre-Conference Dinner

Face to Face Dinner in Brisbane and Sydney

Sponsored by BMT

## Wednesday 26<sup>th</sup> May 2021

### Session 1

10.00am-11.20am

### Session 1 – Plenary

“Sponsored by Department of Planning Industry & Environment”

10.00am	<b>MC Welcome &amp; Acknowledgment of Country</b>
10.05am	<b>Welcome from Floodplain Management Australia</b> <i>Ian Dinham, President, Floodplain Management Australia</i>
10.20am	<b>The Hon Dr Steven Miles MP,</b> <i>Queensland Deputy Premier &amp; Minister for State Development, Infrastructure, Local Government &amp; Planning</i>
10.25am	<b>The Hon Rob Stokes MP</b> <i>NSW Minister for Planning and Public Spaces</i>
10.30am	<b>Online Conference Opening Address</b> <b>Hon David Littleproud MP,</b> <i>Minister for Agriculture, Drought and Emergency Management and Deputy Leader of the National Party</i>
10.35am	<b>Department of Planning, Industry &amp; Environment Sponsor Address</b> <b>Duncan McLuckie, Principal Flood Specialist</b>
10.40am	<b>“Flood Risk Management in a Post-COVID World”</b> <b>Chad Berginnis, Association of State Floodplain Managers (ASFPM) Sponsored by HDR</b>

11.20am – 11.30am Short Break + Sponsor Videos

### Session 2

11.30am – 1.00pm

### 2A: Flood Policy, Guidance and Best Practice

### 2B: Modelling

“Sponsored by 12d Solutions”

### 2C: Emergency Preparedness, Response and Recovery

#### Chair:

**Allan Gear**

**Danny Rose**

**Sue Ribbons**

11.30am – 12.00pm	Application of Best Practice Floodplain Management from Strategic Planning to Localised Flood Mitigation: A Comparison of National and International Approaches <b>William Prentice,</b> <i>Jeremy Benn Pacific</i>	Drivers of Flooding in the Hawkesbury <b>Mark Babister,</b> <i>WMAwater</i>	How an App is Helping to Gather Local Flood Information and Intelligence <b>Jo Kegg,</b> <i>Victoria State Emergency Service</i>
12.00pm – 12.30pm	Development of National Messaging for Flood Safety <b>Mel Taylor,</b> <i>Macquarie University</i>	What is the Flood Risk? Mapping the 1%AEP Flood Depth Across SA <b>Belinda Skilton,</b> <i>Department for Environment and Water SA</i>	Building Community Awareness and Resilience: Flood Awareness, Preparedness, Response, and Recovery <b>Tahlia Rossi, Water Technology</b>
12.30pm – 1.00pm	A Risk-based Approach to Contemplating the F-word (freeboard) <b>Portia Rigby,</b> <i>Moreton Bay Regional Council</i>	Rapid Flood Risk Assessments: the High-value, Low-cost Solution <b>Camille White, North Central Catchment Management Authority</b> & <b>Andrew Northfield, HARC</b>	Going from “Prevention” to “Managing the Consequences” – Having a Consequence Management Plan <b>Fred Spain &amp; Shaun Epe,</b> <i>NSW Public Works Advisory</i>

1.00pm – 1.30pm		Lunch & Poster Presentations			
Session 3 1.30pm – 3.00pm		3A: NSW Department of Planning, Industry and Environment		3B: Data, Devices and Information Management	3C: 10 Minute Presentations - Modelling
Chair:		Gerry Gannon		Prawi Woods	Chris Irvine
1.30pm – 2.00pm		NSW Floodplain Development Manual <b>Duncan McLuckie,</b> <i>Department of Planning, Industry and Environment</i>		Smart Stormwater and Flash Flood Risk Management in the Illawarra Shoalhaven <b>Isabelle Ghetti &amp; Motiur Rahman,</b> <i>Wollongong City Council</i>	Northland Regional Council Flood Modelling Using Rain-on-Grid (Sub Grid Sampling) <b>Lachlan Inglis,</b> <i>Water Technology Pty Ltd</i>
					<b>No Presentation in this time slot</b>
2.00pm – 2.30pm		NSW Floodplain Development Manual Toolkit <b>Angela Toniato</b> <i>Department of Planning, Industry and Environment</i>		Application of Generalised Building Vulnerability Curves in Flood Prone Communities <b>Tariq Maqsood,</b> <i>RMIT University</i>	Extreme Design Hydrology - Lessons Learnt During 2020 Revisions <b>Lucas Hughes,</b> <i>Sunwater</i> <i>Young Floodplain Managers Member</i>
2.30pm – 3.00pm		Flood Damages – A New Tool for NSW <b>Rhys Thomson,</b> <i>Rhelm</i>		Leveraging The Cloud For Enhanced Communication of Flood Risk – The COVID19 Legacy <b>Cameron Druery,</b> <i>Worley</i>	Real-time Flood Models Coupled with WAZE for Live Road Closures and Traffic Routing <b>Juliette Murphy,</b> <i>FloodMapp</i> Upgrading Linear Infrastructure to Provide A Flood Resilient Future For Regional Communities <b>Samuel Drysdale,</b> <i>Kellogg Brown &amp; Root (KBR)</i> <i>Young Floodplain Managers Member</i>
3.00pm – 3.15pm		Short Break + Sponsor Videos			
Session 4 3.15pm – 3.30pm		FMA - NRMA Insurance Flood Risk Management Project of the Year Award Presentation			
Session 5 3.30pm – 4.30pm		5A: Queensland Reconstruction Authority		5B: Infrastructure Projects and Asset Management	5C: Social and Cultural Aspects
Chair:		Will Prentice		Josh Eggleton	Isabelle Testoni
3.30pm – 4.00pm		Implementation of the Brisbane River Strategic Floodplain Management Plan – a Progress Update <b>Jimmy Scott,</b> <i>Queensland Reconstruction Authority</i>		Flood Mitigation Infrastructure Landowner Consultation – Engineers Can Do the Talking <b>Ed Henty,</b> <i>Dryside Engineering</i>	Is Your Floodplain Management Strategy Working? Innovative Social Research in the Wimmera <b>Neil Dufty,</b> <i>Molino Stewart</i>
4.00pm – 4.30pm		A Framework for Flood Risk Management in Queensland <b>Charlotte Spliethoff,</b> <i>Queensland Reconstruction Authority</i>		Levees – Gate the Gap <b>Michael Anthony,</b> <i>AWMA Pty Ltd</i>	Community Flood Planning in Tasmania <b>Chris Irvine,</b> <i>State Emergency Service</i>
4.30pm		End of Day 1			

# Thursday 27<sup>th</sup> May 2021

## Session 6 Session 6 - Plenary 10.15am – 12.00pm

10.15am	<b>Welcome to Day Two</b>
10.20am	<b>Gold Sponsor “Queensland Reconstruction Authority” Address</b> <b>Jimmy Scott, QRA</b>
10.25am	<b>Australia and New Zealand Presentation Updates</b>
10.50am	<b>Silver Sponsor “Cardno” Address</b> <b>Anthony Densten, Team Leader, Coastal &amp; Flooding, Cardno</b>
10.55am	<b>“Flooding in England – Past, Present and Future”</b> <b>Wendy Brooks, National Strategy Manager, Environment Agency Sponsored by Allan &amp; Dennis</b> <b>Q&amp;A with Richard Taylor, Environment Agency, Sponsored by Allan &amp; Dennis</b>
11.35am	<b>Silver Sponsor “NSW SES” Address</b>

## 11.40am – 12.00pm Short Break + Sponsor Videos

## Session 7 7A: Bureau of Meteorology & NSW State Emergency Service 7B: Social and Cultural Aspects 7C: 10 Minute Presentations 12.00pm – 1.00pm

Chair:	Gerry Gannon	Mikayala Ward	Sharyn Westlake
12.00pm – 12.30pm	Preparedness and Response to the March 2021 Floods <b>Justin Robinson,</b> <i>Bureau of Meteorology</i> <b>Nicole Hogan,</b> <i>NSW State Emergency Service</i>	Increasing the Frequency of Flooding in Lake Gorrie: Not All Floods Need to Be Mitigated <b>Isabelle Testoni,</b> <i>Catchment Simulation Solutions</i> <i>Young Floodplain Managers Member</i>	Climate Change Flood Impacts on Planning - a Victorian Perspective <b>Ben Tate,</b> <i>Water Technology</i>
12.30pm – 1.00pm		Aboriginal Storytelling of Flooding in the Hunter Valley Catchment, NSW <b>Claire Turrell,</b> <i>NSW Government, Department of Planning Industry and Environment</i>	Short-duration, Heavy Rainfall is Intensifying (conditions May Apply) <b>Luke Osburn,</b> <i>Bureau of Meteorology</i>
			Integrating Environmental Criteria in Statutory Floodplain Management Plans to Protect Floodplain Ecology <b>Simon Hunter,</b> <i>Department of Planning, Industry and Environment</i>
			Could School Flood Education Be the Catalyst for Advancing Women in STEM? <b>Catherine Walker,</b> <i>Cardno</i> <i>Young Floodplain Managers Member</i>

## 1.00pm – 1.30pm Lunch & Poster Presentations

## Session 8 8A: Flood Stories 8B: Flood Policy, Guidance and Best Practice 8C: ARR 1.30pm – 3.00pm

Chair:	Martin Boshoff	Portia Rigby	Eoghain O’Hanlon
1.30pm – 2.00pm	Ten Years on from the 2011 Floods: is Queensland More Flood-resilient? <b>Karen McPaul,</b> <i>Queensland Reconstruction Authority</i>	Should Flood Damage Estimates Discount for Warning Time and Previous Experience? <b>Stephen Yeo</b> <i>Infrastructure NSW</i>	What Have We Learnt About Temporal Patterns and the New ARR <b>Monique Retallick,</b> <i>WMAwater</i>
2.00pm – 2.30pm	The Lockyer Valley – Knowing the Past – Protecting the Future <b>Quentin Underwood</b> <i>Lockyer Valley Regional Council</i>	Flood Resilient Building Controls – Next Generation Guidance for the Hawkesbury Nepean Floodplain <b>Louise Collier,</b> <i>Rhelm</i>	No Single Point of Interest! Application of ARR2019 Principles in Catchment-wide Analysis <b>Brian Sexton, Arup &amp; Edward Funnell, HARC</b>

2.30pm – 2.55pm	<p>The Swan and Helena River Studies Developed to inform flood Resilience</p> <p><b>Anne Kolega &amp; Carrie Dearnley,</b> <i>BMT</i></p>	<p>A Review of Australian Models to Predict Direct Tangible Flood Damages: Do We Need Better Tools?</p> <p><b>Filippo Dall'Osso,</b> <i>Molino Stewart</i> <i>Young Floodplain Managers Member</i></p>	<p>Benchmarking ARR2019 for Victoria</p> <p><b>David Stephens,</b> <i>HARC</i></p>
--------------------	---	--	--

**2.55pm – 3.00pm Short Break + Sponsor Videos**

**3.00pm FMA YFM Young Floodplain Manager of the Year Award**

**Session 9  
3.15pm – 5.00pm 9A: FMA Quarterly Meeting**

3.15pm – 5.00pm	<p>Quarterly reports from the FMA Executive Committee, updates State and Territory agencies, the latest climate outlook from the Bureau of Meteorology, plus flood risk management issues raised by Members</p>
--------------------	---

**5.00pm End of Day 2**

**Young Floodplain Manager Social Evening**  
*Sponsored by wma water*

## Friday 28<sup>th</sup> May 2021

Friday 28 <sup>th</sup> May 2021			
Session 10 10:00am – 12.00pm	10A: Environmental Aspects, Climate Change, Coastal Hazards and Adaptation	10B: Modelling	10C: Flood Stories
Chair:	Mike Edwards	Stephen Yeo	Paul Grech
10.00am – 10.30am	There's a Better Way - Integrated Catchment Planning <b>Adam Berry,</b> <i>Synergy Solutions</i>	Realising the Benefits of Alternative Flood Modelling Techniques While Managing User and Customer Risks  <b>Jean-Michel Benier,</b> <i>Melbourne Water Corporation</i>	Community Recovery on the Floodplain – The Townsville Resilience Collective <b>Alicia Palmer,</b> <i>Townsville City Council</i>
10.30am – 11.00am	Risk (reduction) Vs. (environmental) Reward: The Juxtaposition Between Detention Basin Risk Mitigation and Shortfalls in Realising Environmental Potential. A Discussion <b>Nick Lewis,</b> <i>Royal HaskoningDHV</i>	Flood Model Calibration – Impacts of Rating Curve Accuracy and Catchment Changes over Time <b>David Whyte,</b> <i>Cardno</i>	Capturing and Integrating Local Knowledge and Stories in the Condamine Floodplain Modelling <b>Martin Boshoff, AECOM Australia &amp; Laura Jarman, ARTC</b>
11.00am – 11.30am	Rehydrating the Floodplain to Save the Endangered Green and Golden Bell Frog <b>Prawi Woods,</b> <i>Catchment Simulation Solutions Young Floodplain Managers Member</i>	Flood Early Warning System for Small Rural Townships: Warning Dissemination and Communication Phase 1 <b>Graham Bebington &amp; Danielle Danielsson,</b> <i>Toowoomba Regional Council</i>	Strategic Review of the Hunter Valley Flood Mitigation Scheme <b>Claire Turrell,</b> <i>NSW Department of Planning Industry and Environment</i>
11.30am – 12.00pm	A National View of Storm Tide Flooding in Australia <b>Thomas Mortlock,</b> <i>Risk Frontiers</i>	Distinguishing between the need for Flood Impact or Flood Risk Assessment <b>Chris Thomas,</b> <i>Advisian</i>	What Happens when we Fail to Properly Conceptualise Flooding? <b>Terry Kefalianos</b> <i>Department of Water and Environment Regulation</i>
12.00pm – 12.30pm <b>Lunch &amp; Poster Presentations</b>			
Session 11 12.30pm – 2.00pm	11A: Modelling	11B: Land Use Planning	11C: 10 Minute Presentations
Chair:	Danny Rose	Allan Gear	Liz Matthews
12.30pm – 1.00pm	Testing of New HEC-RAS 6.0 Rain-On-Grid Solution <b>Mark Forest,</b> <i>HDR International Presenter</i>	Risk-based Planning – Living with Risk and Avoiding Panaceas <b>Richard Sharp,</b> <i>Water Technology</i>	The Influence of Floodplain Characteristics on Property Average Annual Flood Damage Estimates <b>Hayden Guse,</b> <i>WRM Water &amp; Environment Young Floodplain Managers Member</i> PUB Singapore Implements New Data-Driven Solution to Smart Drainage Grid System <b>Nicole Nally &amp; DJ Sethi,</b> <i>Aquatic Informatics</i>
1.00pm – 1.30pm	The Art of Roughness: AI for High-Precision Model Development <b>Jordan Maultby,</b> <i>AECOM Young Floodplain Managers Member</i>	Dilemmas of a Land-use Planner in Hawkesbury's Extreme Flood Plains <b>Sunehla Bala,</b> <i>Hawkesbury City Council</i>	UAV LiDAR Capture Utilised to Enhance and Increase Accuracy in Flood Modelling <b>Adam De Clouett, Shellharbour City Council &amp; Aonghus Stevens, Measure Australia</b>

---

Application of the Total Warning System to Flood  
**Katelyn Samson,**  
*Australian Institute for Disaster Resilience*

---

Toward Understanding Householder Flood Preparedness  
**Willow Forsyth,**  
*University of Newcastle*

---

How Effective Are Flood Emergency Plans in Practice?  
**Andrew Gissing,**  
*Risk Frontiers*

---

1.30pm – 2.00pm  
Solving the Mystery: Multiple Flood Mechanisms at Wallacia  
**Mikayla Ward,**  
*WMAwater*  
*Young Floodplain Managers Member*

If They Go in Can They Get Out?  
Georges River Evacuation Modelling  
**Steven Molino & Kelsey Sanborn,**  
*Molino Stewart*

<b>Session 12</b>		<b>Plenary</b>	
<b>2.00pm – 3.00pm</b>			
<b>2.00pm</b>	<b>Welcome to the Final Session</b>		
<b>2.05pm</b>	<b>FMA Allan Ezzy Flood Risk Manager of the Year Award Presentation</b>		
<b>2.20pm</b>	<b>“Resilience NSW: learnings and observations”</b> <b>Shane Fitzsimmons</b> <i>AFSM, Commissioner of Resilience, NSW</i>		
<b>3.00pm</b>	<b>FMA National Conference 2022 Presentation</b>		
<b>3.05pm – 3.10pm</b>		<b>Online Conference Wrap-up</b>	