



### Bushfire 2016: Full Program

<b>Tuesday 27<sup>th</sup> September</b>			
<b>1500 - 1800</b>	<b>Registration</b> Aung San Suu Kyi Conference Centre, Union Complex Building 21C (Union Complex, Building 21C)		
<b>Wednesday 28<sup>th</sup> September</b>			
<b>0700 - 1050</b>	<b>Registration</b>		
<b>0845 -1020</b>	<b>PLENARY SESSION</b> Abel Smith Lecture Theatre, Building 23 Chair: Dr Samantha Lloyd (SEQ Fire and Biodiversity Consortium)		
<b>0845</b>	<b>Welcome to Country:</b> Shannon Ruska, Founder and Director of the Nunukul Yuggera Aboriginal Dance Troupe		
<b>0855</b>	<b>Welcome and Opening</b>		
<b>0910</b>	<b>Opening Address:</b> Professor Hugh Possingham, School of Biological Sciences, University of Queensland		
<b>0930</b>	<b>Keynote Presentation:</b> Professor Ross Bradstock, Centre for Environmental Risk Management of Bushfire, University of Wollongong <i>A tale (mostly) of one city: toward a comprehensive understanding of bushfire risks, present and future.</i>		
<b>1020 - 1050</b>	<b>Morning Tea: Union Complex, Building 21C</b> Please note: it takes approximately 5mins to walk from the Union Complex to the Prentice Building (Bld 42) and the Physiology Lecture Theatre (Bld 63).		
<b>1050 - 1300</b>	<b>THEME 1:</b> Fire and Risk	<b>THEME 2:</b> Cultural Burning and Traditional Custodian Fire Projects	<b>THEME 3:</b> Community Engagement: Building Partnerships and Facilitating Change

	<i>Bld 42 (Prentice Bld), Room 216</i> Chair: Andrew Sturgess (Qld Fire and Emergency Services)	<i>Bld 23, Abel Smith Lecture Theatre</i> Chair: Oliver Costello (University of Technology Sydney, NSW)	<i>Bld 63, Physiology Lecture Theatre, Rm 348</i> Chair: Craig Welden (SEQ Fire and Biodiversity Consortium, Qld)
	Holistic bushfire management at a continental scale: Achieving consistency & improvements <b>Cuong Tran</b> <i>Ten Rivers, Qld</i>	Cultural Pathways of Fire <b>Oliver Costello</b> <i>Co-founder of the Firesticks Initiative and Visiting Fellow, University of Technology Sydney, NSW</i>	Connecting Community and Koala using Phoenix Rapid Fire <b>Phillip Patterson</b> <i>Rural Fire Service, NSW</i>
	Wye River Learnings and Recovery <b>Justin Leonard</b> <i>CSIRO, Vic</i>	Fire Planning for the Katiti Petermann IPA : Family Fire Country <b>Jane Blackwood, Tracey Guest, Selina Kulitja Bernard Bell and Raymond James</b> <i>Central Lands Council, NT</i>	Landholders linking through Landcare for landscape fire planning in the Queensland Murray Darling Basin for carbon, production & biodiversity <b>Rhonda Toms-Morgan, Col Paton, Peter Thompson, Lynda Hardwick, Roxane Blakley and Donna Hurley</b> <i>Queensland Murray Darling Committee &amp; EcoRich Grazing, Qld</i>
	SABRE Fire - A Stochastic Simulation-based Fire Spread Decision Support System <b>Ben Twomey</b> <i>Queensland Fire &amp; Emergency Services, Qld.</i>	Cultural fire landscapes on North Stradbroke Island (Minjerribah) <b>Dave Kington, Darren Burns and Dr Paul Williams</b> <i>Queensland Parks and Wildlife Service, Quandamooka Yoolooburrabee Aboriginal Corporation and Vegetation Management Science, Qld</i>	Capacity Building in the Surat Basin <b>Murray Abel</b> <i>Powerlink, Qld</i>
	Managing ecological risks in prescribed burning <b>Wayne Kington and Adrian Pyrke</b> <i>Australian Fire and Emergency Service Authorities Council, Vic</i>	Winba = Fire: Developing a fire & seasons calendar for Wattleridge IPA <b>Michelle McKemey and Lesley Patterson</b> <i>University of New England &amp; Banbai Employment Development Aboriginal Corporation, NSW</i>	CFA Fire-Scape: Social factors in Community Fire Management <b>Mike McStephen</b> <i>Wellington Shire Council, Vic</i>

	<p>Implementing a Risk Based Approach to Fire Management in Victoria <b>Frazer Wilson</b> <i>Department of Environment, Land, Water and Planning, Vic</i></p>	<p>Minyumai Rangers use fire &amp; burning to convert a long-grazed &amp; weed dominated clearing back into coastal forested wetland vegetation <b>Daniel Gomes, Marcus Ferguson, Justin Gomes, Daniel Wilson, Belinda Gomes, Emma Wilson, Kesha Wilson and Lilly Wilson</b> <i>Minyumai Land Holding Aboriginal Corporation, NSW and Ngunya Jargoan Indigenous Protected Area, Jali Local Aboriginal Land Council, NSW</i></p>	<p>Can citizens accurately report on fuel hazard? <b>Dr Ernst Kemmerer and Mark Wisniewski</b> <i>Cradle Coast NRM, Tas</i></p>
	<p>The application of economics in US wildfire management <b>Dr Tyron Venn*, David Calkin and Matt Thompson</b> <i>University of the Sunshine Coast*, Qld and the USDA Forest Service, Rocky Mountain Research Station, USA</i></p>	<p>Fusing 'Tech' and 'TEK': Queensland's Cape, fire and forging partnerships <b>Janie White and Les Harrigan</b> <i>Queensland Parks and Wildlife Service and Rinyirru Land Trust Corporation, Qld</i></p>	<p>Building Partnerships and Facilitating Change for Improved Fire Management: The South East Queensland Fire and Biodiversity Consortium Model <b>Craig Welden</b> <i>South East Queensland Fire and Biodiversity Consortium, Qld</i></p>
<b>1300 - 1400</b>	<b>Lunch: Union Complex, Building 21C</b>		
<b>1400 - 1450</b>	<p><b>PLENARY SESSION</b> Abel Smith Lecture Theatre, Building 23 Chair: Chandra Wood (Brisbane City Council)</p>		
	<p><b>Keynote Presentation:</b> Dr Neil Burrows, Science and Conservation Division, Department of Parks and Wildlife, Western Australia <b><i>Managing Fire in the New Millennium</i></b></p>		
<b>1450 - 1550</b>	<p><b>THEME 1 continued: Fire and Risk</b>  <i>Bld 42 (Prentice Bld), Room 216</i> Chair: Cuong Tran (Ten Rivers)</p>	<p><b>THEME 2 continued: Cultural Burning and Traditional Custodian Fire Projects</b>  <i>Bld 23, Abel Smith Lecture Theatre</i> Chair: Oliver Costello (University of Technology Sydney, NSW)</p>	<p><b>THEME 4: Fire Ecology</b>  <i>Bld 63, Physiology Lecture Theatre, Rm 348</i> Chair: Dr Penny Watson (Office of Environment and Heritage)</p>

	<p>QFES Predictive Services Team: Planning, preparedness, response &amp; recovery  <b>Andrew Sturgess</b>  <i>Queensland Fire &amp; Emergency Services, Qld.</i></p>	<p>Fire management on the Western Cape: Tradition, science &amp; building economic opportunity  <b>Gavin Kendall, Eddie Kendall and Peter Barker</b>  <i>Pormpuraaw Aboriginal Shire Council &amp; Queensland Indigenous Land &amp; Sea Ranger Program, Qld</i></p>	<p>Evidence for bark thickness as a fire resistance trait from desert to savanna in fire-prone inland Australia  <b>Professor Mike Lawes and Dr Catherine Nano</b>  <i>Charles Darwin University and The Department of Land Resource Management, NT</i></p>
	<p>Investigating issues of implementing a strategic tenure-blind prescribed burning program in South Australia  <b>Tim Groves</b>  <i>Department of Environment, Water and Natural Resources, SA</i></p>	<p>People, fire and landscape in the Bunya Mountains  <b>Mick Smith</b>  <i>Bunya Murri Rangers, Qld</i></p>	<p>Tracking recovery and vital attributes of flora species after severe wildfire, Warrumbungle National Park, north-western NSW  <b>Dr Penny Watson and Dr Elizabeth Tasker</b>  <i>Office of Environment and Heritage, NSW</i></p>
	<p>Mechanical Fuel Load Reduction Trials  <b>Dr Fabiano Ximenes and John Samuel</b>  <i>Department of Primary Industry, NSW</i></p>	<p>Cultural fire management on the Sunshine Coast for the first time since traditional times  <b>Kerry Jones and Susie Chapman</b>  <i>Bunya Bunya Country Aboriginal Corporation and Healthy Waterways and Catchments, Qld</i></p>	<p>Fire effects on pollinators and pollination  <b>Julian Brown (S) and Associate Professor Alan York</b>  <i>University of Melbourne, Vic</i></p>
<b>1600 - 1630</b>	<b>Afternoon Tea: Union Complex, Building 21C</b>		
<b>1630 - 1730</b>	<p><b>THEME 1 continued:</b>  <b>Fire and Risk</b>  <i>Bld 42 (Prentice Bld), Room 216</i>  Chair: Cuong Tran (Ten Rivers)</p>	<p><b>THEME 2 continued:</b>  <b>Cultural Burning and Traditional Custodian Fire Projects</b>  <i>Bld 23, Abel Smith Lecture Theatre</i>  Chair: Oliver Costello (University of Technology Sydney, NSW)</p>	<p><b>THEME 4 continued:</b>  <b>Fire Ecology</b>  <i>Bld 63, Physiology Lecture Theatre, Rm 348</i>  Chair: Dr Penny Watson (Office of Environment and Heritage)</p>
	<p>Factors driving flammability in the mountainous forests of Victoria</p>	<p>Preliminary results from monitoring the responses of vertebrate groups to applying</p>	<p>Long-term effects of frequent fire on above-ground carbon stocks and vegetation</p>

	<b>Dr Jane Cawson, Dr Thomas Duff, Dr Trent Penman &amp; Associate Professor Kevin Tolhurst</b> <i>University of Melbourne, Vic</i>	contemporary indigenous burning practices in northern NSW IPAs <b>David Milledge</b> <i>Landmark Ecological Services, NSW</i>	structure in a wet sclerophyll forest in south-east Queensland <b>Dr Tom Lewis and Professor Chenrong Chen</b> <i>Department of Agriculture and Fisheries and Griffith University, Qld</i>
	Law for Resilience to Bushfire in peri-urban Australia: A Tasmanian Case Study <b>Joseph Wenta (S), Professor Jan McDonald &amp; Dr Jeffrey McGee</b> <i>University of Tasmania, Tas</i>	Ornithogenic fire – Birds as propagators of fire in the Australian savanna <b>Bob Gosford and Associate Professor Mark Bonta</b> <i>Ethnoornithology Research Group and Penn State University, USA</i>	Fire ecology of Brisbane’s eucalypt forests <b>Dr Paul Williams, Dave Kington, Michelle Nash, Chandra Wood and Eleanor Collins</b> <i>Vegetation Management Science, Queensland Parks and Wildlife Service and Brisbane City Council, Qld</i>
	Navigating asset protection and biodiversity conservation objectives associated with fire management in Dry Sclerophyll Forest, City of Gold Coast <b>Brooke Williams (S), Associate Professor Kerrie Wilson, Dr Luke Shoo and Dr Hawthorne Beyer</b> <i>University of Queensland, Qld</i>	The Angel in the detail - diverse burning for cultural and environmental outcomes in Australia <b>Peta-Marie Standley<sup>1</sup> and Lewis Musgrave<sup>2</sup></b> <i><sup>1</sup>James Cook University and Cape York Natural Resource Management</i> <i><sup>2</sup>Awu Laya Kuku Thaypan Green Army, Qld</i>	Vegetation boundary dynamics and relationships between fire severity and recruitment in a fire-sensitive heathland in the Gibson Desert <b>Boyd Wright</b> <i>Northern Territory Herbarium, NT</i>
<b>1745</b>	<b>TRADE DISPLAY and POSTER SESSION: Union Complex, Building 21C (Light refreshments provided)</b>		

<b>Thursday 29<sup>th</sup> September</b>	
<b>0700 - 1040</b>	<b>Registration</b> Aung San Suu Kyi Conference Centre, Union Complex Building 21C (Union Complex, Building 21C)
<b>0845 -1010</b>	<b>PLENARY SESSION</b> Abel Smith Lecture Theatre, Building 23 Chair: Dr Samantha Lloyd (SEQ Fire and Biodiversity Consortium)

<b>0845</b>	<b>Welcome and Opening</b>		
<b>0900</b>	<b>Opening Address:</b> Acting Deputy Commissioner, Peter Jeffrey, Emergency Services Volunteers, Queensland Fire and Emergency Services		
<b>0920</b>	<b>Keynote Presentation:</b> Associate Professor Alan York, School of Ecosystem and Forest Sciences, University of Melbourne <i>Fire, Landscape Pattern and Biodiversity</i>		
<b>1010 - 1040</b>	<b>Morning Tea: Union Complex, Building 21C</b> Please note: it takes approximately 5mins to walk from the Union Complex to the Prentice Building (Bld 42) and the Physiology Lecture Theatre (Bld 63).		
<b>1040 – 1250</b>	<b>THEME 5: Fire, Soil and Climate Change</b> <i>Bld 42 (Prentice Bld), Room 216</i> Chair: Dr Tom Lewis (Department of Agriculture and Fisheries)	<b>THEME 6: Maps and Models: Intelligent Fire Planning</b> <i>Bld 23, Abel Smith Lecture Theatre</i> Chair: Joshua Bull (Fireland Consultancy)	<b>THEME 7: Fire Management for Linear Infrastructure</b> <i>Bld 63, Physiology Lecture Theatre, Rm 348</i> Chair: Steve Martin (Powerlink)
	Comparing smoke pollution from prescribed and wildfires: do we have a problem? <b>Dr Owen Price, Bronwyn Horsey and Phil Purdam</b> <i>University of Wollongong and the Bureau of Meteorology, NSW</i>	Can thermal imagery help inform landscape fire management and planning? <b>Shannon Mooney and Mik Petter</b> <i>Healthy Waterways and Catchments, Qld</i>	Lines Through the Bush - Infrastructure Corridors and Fire Management: An SEQ Case Study and Factors to Consider <b>Dr Mark Shuster &amp; Paul Veivers</b> <i>Meandu Mine, Qld</i>
	Combating wetland burning – The ability of carbonate to suppress combustion of organic soils <b>Valerie Densmore</b> <i>Department of Parks and Wildlife, WA</i>	TERN: Data Infrastructure that enables fire management <b>Associate Professor Nikki Thurgate, Dr Siddeswara Guru and Professor Tim Clancy</b> <i>Terrestrial Ecosystem Research Network and the University of Queensland, Qld</i>	The Coordinated Agency Model for Improved Roadside Fire Management <b>Julian Selke and James Haig</b> <i>Department of Transport and Main Roads and Queensland Fire and Emergency Services, Qld</i>
	Interactive relationships between fire frequency, insects and elemental cycling in Peachester State Forest <b>Orpheus Butler (S), Professor Chenrong Chen, Professor Brendan Mackey, Dr Tom Lewis and Professor James J. Elser</b>	Science in practice: application of ecological metrics in strategic bushfire management planning <b>Imogen Fraser and Andrew Blackett</b> <i>Department of Environment, Land, Water and Planning, Vic</i>	Corridor fires: What's different? <b>Dr Lesie Felderhof</b> <i>Firescape Science, Qld</i>

	<i>Griffith University and the Department of Agriculture and Fisheries, Qld</i>		
	Environmental determinants of grass and shrub cover across a transitional climate region: Implications of climate change on fuel dynamics <b>Dr Rebecca Gibson and Professor Ross Bradstock</b> <i>Office of Environment and Heritage and the University of Wollongong, NSW</i>	Modelling optimal growth stage distributions for biodiversity observation and ecosystem resilience <b>Matthew Chick (S) and Associate Professor Alan York</b> <i>University of Melbourne, Vic</i>	Mahogany Glider movements near linear infrastructure <b>Ben Saal</b> <i>Powerlink, Qld</i>
	Estimating air emissions for natural fires in south east Queensland <b>Rhiannon Tooker and Robin Smit</b> <i>Department of Science, Information Technology and innovation, Qld</i>	Fire is not fire – The next generation of TERN fire remote sensing datasets <b>Stefan Maier</b> <i>Terrestrial Ecosystem Research Network and the University of Queensland and Maitec, Qld</i>	Electrical impacts of bushfires on transmission lines <b>Tony Gillespie</b> <i>Gillespie Power Consultancy, Qld</i>
	Initial findings on the Bushfire Convective Plume Experiment: Examining Pyroconvection with Portable Radar <b>Nicolas McCarthy (S)</b> <i>University of Queensland, Qld</i>	Playing with fire: The disparities with observed and model predictions of fuel loads <b>Dr Diana Virkki</b> <i>Ten Rivers, Qld</i>	The Tasmanian Bushfires of 2013 - An Environmental Response <b>Michael Emmett</b> <i>Tasnetworks, Tas</i>
<b>1250 - 1335</b>	<b>Lunch: Union Complex, Building 21C</b>		
<b>1335 - 1450</b>	<b>PLENARY SESSION</b> Abel Smith Lecture Theatre, Building 23 Panel Discussion: <b><i>Intelligent Fires - how can fire research and knowledge better connect with drip torches?</i></b> Chair: Dr Simon Heemstra (Rural Fire Service, NSW)		
<b>1450 - 1550</b>	<b>THEME 8: Fire and Land Management</b> <i>Bld 42 (Prentice Bld), Room 216</i> Chair: Michael Reif (Sunshine Coast Council)	<b>THEME 9: Fire, Threatened Species and Conservation</b> <i>Bld 23, Abel Smith Lecture Theatre</i> Chair: Dr Geoff Lundie-Jenkins (Qld Parks and Wildlife Service)	<b>THEME 10: Fires in the Past: Essential Knowledge for Management</b> <i>Bld 63, Physiology Lecture Theatre, Rm 348</i>

			Chair: Associate Professor Patrick Moss (University of Queensland)
	Reflections on the NSW Bush Fire Environmental Assessment Code since 2006: Continuing to meet the need <b>Dr Simon Heemstra and Jennie Cramp</b> <i>Rural Fire Service, NSW</i>	Fire management for conservation: Outcomes of AWC's fire programs across northern Australia <b>Dr John Kanowski</b> <i>Australian Wildlife Conservancy, Qld</i>	Late Quaternary fire regimes of Moon Point, Fraser Island <b>Philip Stewart (S) and Associate Professor Patrick Moss</b> <i>University of Queensland, Qld</i>
	National Burning Project <b>Deborah Sparkes and Greg Esnouf</b> <i>Australian Fire and Emergency Service Authorities Council, Vic</i>	How long is too long: The response of woody plants to inter-fire intervals in grassy forests of the Border Ranges, NSW <b>Dr Elizabeth Tasker and Dr Penny Watson</b> <i>Office of Environment and Heritage, NSW</i>	Satellite imagery interpretation of current & past fire history information in the Upper Maranoa area of southern inland Queensland <b>Peter Thompson and Rhonda Toms-Morgan</b> <i>Queensland Murray Darling Committee, Qld</i>
	Using prescribed burns to achieve biodiversity outcomes through weed management <b>Dr Kirsten Abley and Anthony Abley</b> <i>Department of Environment, Water &amp; Natural resources, SA</i>	Planning, Implementing and evaluating fire management- Recurrent issues and responses in a range of environments <b>Murray Haseler</b> <i>Bush Heritage Trust, Qld</i>	The influence of time since last fire on the soil seedbank and woody understorey of temperate eucalypt forests <b>Helen Vickers (S), Dr Craig Nitschke, Dr Thomas Duff and Dr Sabine Kasel</b> <i>University of Melbourne, Vic</i>
<b>1550 - 1620</b>	<b>Afternoon Tea: Union Complex, Building 21C</b>		
<b>1620 - 1735</b>	<b>THEME 8 continued: Fire and Land Management</b> <i>Bld 42 (Prentice Bld), Room 216</i> Chair: Michael Reif (Sunshine Coast Council)	<b>THEME 9 continued: Fire, Threatened Species &amp; Conservation</b> <i>Bld 23, Abel Smith Lecture Theatre</i> Chair: Dr Geoff Lundie-Jenkins (Qld Parks and Wildlife Service)	<b>THEME 10 continued: Fire in the Past: Essential Knowledge for Management</b> <i>Bld 63, Physiology Lecture Theatre, Rm 348</i> Chair: Associate Professor Patrick Moss (University of Queensland)
	Ecological ignitions: Suggestions on how to ignite ecologically beneficial fire in subtropical and tropical eucalypt forests <b>Dr Paul Williams</b> <i>Vegetation Management Science, Qld</i>	Managing fire to help prevent the extinction of the Coastal Emu: A successful collaboration between Hotspots and a more traditional NRM project <b>Mark Graham</b>	A late Quaternary fire history of the Kimberley region, northwest Australia: new records from the Northern Kimberley Bioregion



		<i>Nature Conservation Council of NSW, NSW</i>	<b>Emily Field (S), Associate Professor Patrick Moss and Professor Hamish McGowan</b> <i>University of Queensland, Qld</i>
	Red Hot Tips: Building capability & capacity of private landholders to conduct planned burning <b>Leanne Sherriff &amp; Justin Cashion</b> <i>Macquarie Franklin &amp; Ground Proof Mapping, Tas</i>	Relative effects of fire on fauna in fragmented grazing landscapes <b>Dr Teresa Eyre</b> <i>Queensland Herbarium, Qld</i>	Fires in the past: An overview of late Quaternary burning patterns for eastern Australia <b>Associate Professor Patrick Moss</b> <i>University of Queensland, Qld</i>
	Fire behaviour in buffel grass dominated mine site rehabilitation in central Queensland, Australia <b>Dr Phill McKenna &amp; Dr Peter Erskine</b> <i>University of Queensland, Qld</i>	Overcoming critical ecological thresholds in fire-excluded ecosystems: Restoration of an endangered heathland in rapid transition to forest <b>Andy Baker</b> <i>Southern Cross University, NSW</i>	A 150-year fire history of mulga dominated vegetation in semiarid Queensland, Australia <b>Dr Bradd Witt, Dr Jennifer Silcock and Dr Rod Fensham</b> <i>The University of Queensland and Queensland Herbarium, Qld</i>
	The effect of fire and rainfall in gross primary productivity in northern Australian savannas <b>Barbara Bernal (S), Dr Andrew Edwards and Professor Lindsay Hutley</b> <i>Charles Darwin University, NT</i>	Burning an endangered species: importance of understanding habitat dynamics for Northern Eastern Bristlebird conservation <b>Zoë Stone(S), Associate Professor Martine Maron and Dr Elizabeth Tasker</b> <i>The University of Queensland, Qld and the NSW Office of Environment and Heritage, NSW</i>	<b>Group Discussion</b> Fires in the Past: Essential Knowledge for Management
<b>1740 - 1755</b>	<b>CLOSING SESSION</b> Abel Smith Lecture Theatre, Bld 23 Chairs: Dr Samantha Lloyd and Craig Welden (SEQ Fire and Biodiversity Consortium)		
<b>1800</b>	<b>Bar open to purchase pre dinner drinks</b>		
<b>1815</b>	<b>Bushfire 2016 Dinner: Union Complex, Building 21C</b>		

<b>Friday 30<sup>th</sup> September</b>	
<b>0620 - 1700</b>	<b>Field Trip 1: North Stradbroke Island</b>
<b>0800 - 1600</b>	<b>Field Trip 2: Sunshine Coast</b>
<b>Notes:</b> The program may still undergo minor changes. <b>(S)</b> = Student Presentation <b>Grey shaded presentations are ten minutes long with three minutes for questions</b>	

**We would like to say an enormous thank you to all our wonderful sponsors for partnering with us on Bushfire 2016!**