



# AGENDA

## Research Advisory Forum

Indian Ocean Marine Research Centre

University of Western Australia

Auditorium

### Main Room Presentations

Day 1 - Wednesday 5 April 2017

| Time    | Activity / Speaker                                                               | Title                                                                                                                                 |
|---------|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| 8:30am  | <b>Registrations and Welcome tea &amp; coffee</b>                                |                                                                                                                                       |
| 9:00am  | Introduction                                                                     | Dr Richard Thornton, CEO<br>Dr Laurie Hammond, Chair<br>Dr Michael Rumsewicz, Research Director<br>David Bruce, Communication Manager |
| 9:30am  | <b>Introduction to new projects for 2017-2021</b>                                |                                                                                                                                       |
|         | Andrew Gissing                                                                   | Catastrophic and cascading events: planning and capability                                                                            |
|         | Alan March                                                                       | Urban planning for natural hazard mitigation                                                                                          |
|         | Phil Morley                                                                      | Factors affecting long term community recovery                                                                                        |
|         | Bruce Rasmussen /<br>Celeste Young                                               | Diversity: building strength and capacity                                                                                             |
|         | Jessica Weir                                                                     | Hazards, culture and Indigenous communities                                                                                           |
|         | Melanie Taylor /<br>Katharine Haynes                                             | Flood risk communication                                                                                                              |
|         | UWA                                                                              | <i>beyondblue's</i> national mental health and wellbeing study of police and emergency services                                       |
|         | Harald Richter                                                                   | Forecasting impact of severe weather                                                                                                  |
| 11:00am | <b>Morning tea &amp; coffee</b> - Interaction Space, ground floor                |                                                                                                                                       |
| 11:30am | Chris Bearman                                                                    | Practical decision tools for improved decision-making in complex, time-constrained and multi-team environments                        |
| 12:00pm | Vivienne Tippet                                                                  | Connecting communities and resilience: a multi-hazard study of preparedness, response and recovery communications                     |
| 12:30pm | Kevin Ronan                                                                      | Child-centred disaster risk reduction                                                                                                 |
| 1:00pm  | <b>Lunch Break</b> - Interaction Space, ground floor                             |                                                                                                                                       |
| 2:00pm  | Miles Crawford<br>Andrew Clarke                                                  | Three minute thesis presentations                                                                                                     |
| 2:15pm  | Melanie Taylor                                                                   | Managing animals in disasters: improving preparedness, response, and resilience through individual and organisational collaboration   |
| 2:40pm  | Illy McNeill                                                                     | Improving the role of hazard communications in increasing residents' preparedness and response planning                               |
| 3:05pm  | <b>Afternoon tea &amp; coffee</b> - Interaction Space, ground floor              |                                                                                                                                       |
| 3:30pm  | David Pannell                                                                    | Economics of natural hazards                                                                                                          |
| 4:00pm  | Holger Maier                                                                     | Decision support system for assessment of policy and planning investment options for optimal natural hazard mitigation                |
| 4:30pm  | Mehmet Ulubasoglu                                                                | Pre-disaster multi-hazard damage and economic loss estimation model                                                                   |
| 5:00pm  | Steve Dovers                                                                     | Policies, institutions and governance of natural hazards                                                                              |
| 5:30pm  | <b>Finish for the day</b>                                                        |                                                                                                                                       |
| 6:00pm  | <b>Cocktail function</b> - The University Club, ground floor balcony and terrace |                                                                                                                                       |



# AGENDA

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## Main Room Presentations Day 2 - Thursday 6 April 2017

| Time    | Activity / Speaker                                                | Title                                                                                                                                |
|---------|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| 7:30am  | Registrations                                                     |                                                                                                                                      |
| 8:00am  | Jeremy Russell-Smith                                              | Scoping remote north Australian community resilience and developing governance models through action research                        |
| 8:30am  | Stephen Sutton                                                    | Northern Australian bushfire and natural hazard training                                                                             |
| 9:00am  | Melissa Parsons                                                   | The Australian natural disaster resilience index: A system for assessing the resilience of Australian communities to natural hazards |
| 9:30am  | Katharine Haynes                                                  | An analysis of building losses and human fatalities from natural disasters                                                           |
| 10:00am | Thomas Loridan                                                    | Using realistic disaster scenario analysis to understand natural hazard impacts and emergency management requirements                |
| 10:30am | <b>Morning tea &amp; coffee</b> - Interaction Space, ground floor |                                                                                                                                      |
| 11:00am | Bill Calcutt<br>Charles Newland                                   | Three minute thesis presentations                                                                                                    |
| 11:15am | Blythe McLennan                                                   | Out of uniform: building community resilience through non-traditional emergency volunteering                                         |
| 11:45pm | Yoke Berry                                                        | Improving the retention and engagement of volunteers in emergency service agencies                                                   |
| 12:15pm | Jessica Weir                                                      | Scientific diversity, scientific uncertainty and risk mitigation policy and planning                                                 |
| 12:45pm | Roger Jones                                                       | Mapping and understanding bushfire and natural hazard vulnerability and risks at the institutional scale                             |
| 1:15pm  | <b>Lunch and close</b> - Interaction Space, ground floor          |                                                                                                                                      |



**Breakout rooms used for Cluster and Project level technical discussions**

**Day 1 - Wednesday 5 April 2017**

| <b>Time</b>    | <b>Level 5 Boardroom (18)<br/>Room 1</b>                                                                                                                            | <b>Level 2 Meeting Room (14)<br/>Room 2</b>                                                                                           | <b>Level 1 Boardroom (14)<br/>Room 3</b>                                                                                        |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>8:30am</b>  | <b>Registrations and Welcome tea &amp; coffee</b>                                                                                                                   |                                                                                                                                       |                                                                                                                                 |
| <b>9:00am</b>  | Introduction in Auditorium<br>Dr Richard Thornton, CEO<br>Dr Laurie Hammond, Chair<br>Dr Michael Rumsewicz, Research Director<br>David Bruce, Communication Manager |                                                                                                                                       |                                                                                                                                 |
| <b>9:30am</b>  | Introduction to new projects for 2017 - 2021 in Auditorium                                                                                                          |                                                                                                                                       |                                                                                                                                 |
| <b>11:00am</b> | <b>Morning tea &amp; coffee</b>                                                                                                                                     |                                                                                                                                       |                                                                                                                                 |
| <b>11:30am</b> |                                                                                                                                                                     | Hazards, culture and Indigenous communities<br>Jessica Weir (NEW PROJECT)                                                             | Emergency management capability<br>Chris Bearman                                                                                |
| <b>1:00pm</b>  | <b>Lunch break</b>                                                                                                                                                  |                                                                                                                                       |                                                                                                                                 |
| <b>2:00pm</b>  | Three minute thesis presentations in Auditorium                                                                                                                     |                                                                                                                                       |                                                                                                                                 |
| <b>2:15pm</b>  | Enabling sustainable emergency volunteering: Blythe McLennan and Patrick Dunlop                                                                                     | Scoping remote north Australian community resilience and developing governance models through action research<br>Jeremy Russell-Smith | Practical decision tools for improved decision-making in complex, time-constrained and multi-team environments<br>Chris Bearman |
| <b>3:05pm</b>  | <b>Afternoon tea &amp; coffee</b>                                                                                                                                   |                                                                                                                                       |                                                                                                                                 |
| <b>3:30pm</b>  | Out of uniform: building community resilience through non-traditional emergency volunteering<br>Blythe McLennan                                                     | Factors affecting long term community recovery<br>Phil Morley (NEW PROJECT)                                                           | Diversity: building strength and capacity<br>Celeste Young / Bruce Rasmussen (NEW PROJECT)                                      |
| <b>4:30pm</b>  | Improving the retention and engagement of volunteers in emergency service agencies<br>Yoke Berry                                                                    | Flood risk communication<br>Melanie Taylor (NEW PROJECT)                                                                              | Catastrophic and cascading events: planning and capability<br>Andrew Gissing (NEW PROJECT)                                      |
| <b>5:30pm</b>  | <b>Finish for the day</b>                                                                                                                                           |                                                                                                                                       |                                                                                                                                 |
| <b>6:00pm</b>  | <b>Cocktail function - The University Club, ground floor balcony and terrace</b>                                                                                    |                                                                                                                                       |                                                                                                                                 |



**Breakout rooms used for Cluster and Project level technical discussions**

**Day 2 - Thursday 6 April 2017**

| Time           | Level 5 Boardroom (18)<br>Room 1                                                                                                       | Level 2 Meeting Room<br>(14)<br>Room 2                                                                                                                                | Level 1 Boardroom (14)<br>Room 3                                                                                                                  | CSIRO Level 4 Meeting Room<br>(14)<br>{Only 8am-12:30pm}<br>Room 4                                                                                                                                                                                                                    |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>7:30am</b>  | <b>Registrations</b>                                                                                                                   |                                                                                                                                                                       |                                                                                                                                                   |                                                                                                                                                                                                                                                                                       |
| <b>8:00am</b>  | Economics and strategic decisions cluster                                                                                              |                                                                                                                                                                       | Communications and warnings cluster                                                                                                               | Emergency management cluster                                                                                                                                                                                                                                                          |
| <b>8:30am</b>  | Decision support system for assessment of policy and planning investment options for optimal natural hazard mitigation<br>Holger Maier |                                                                                                                                                                       | Managing animals in disasters: improving preparedness, response, and resilience through individual and organisational collaboration<br>Mel Taylor | Diversity: building strength and capacity<br>Celeste Young / Bruce Rasmussen (NEW PROJECT)<br><br>Catastrophic and cascading events: planning and capability<br>Andrew Gissing (NEW PROJECT)<br><br>Enabling sustainable emergency volunteering<br>Blythe McLennan and Patrick Dunlop |
| <b>9:30am</b>  | Urban planning for natural hazard mitigation<br>Alan March (NEW PROJECT)                                                               |                                                                                                                                                                       | Connecting communities and resilience: A multi-hazard study of preparedness, response and recovery communications<br>Vivienne Tippett             | Diversity: building strength and capacity<br>Celeste Young / Bruce Rasmussen (NEW PROJECT)<br><br>Catastrophic and cascading events: planning and capability<br>Andrew Gissing (NEW PROJECT)<br><br>Enabling sustainable emergency volunteering: Blythe McLennan and Patrick Dunlop   |
| <b>10:30am</b> | <b>Morning tea &amp; coffee</b>                                                                                                        |                                                                                                                                                                       |                                                                                                                                                   |                                                                                                                                                                                                                                                                                       |
| <b>11:00am</b> | Three minute thesis presentations in the Auditorium                                                                                    |                                                                                                                                                                       |                                                                                                                                                   |                                                                                                                                                                                                                                                                                       |
| <b>11:15am</b> | Economics of natural hazards<br>David Pannell                                                                                          | Northern Australian bushfire and natural hazard training<br>Steve Sutton                                                                                              | Child-centred disaster risk reduction<br>Kevin Ronan                                                                                              | Forecasting impact of severe weather<br>Harald Richter / Jane Sexton (NEW PROJECT)                                                                                                                                                                                                    |
| <b>12:15pm</b> | Pre-disaster multi-hazard damage and economic loss estimation model<br>Mehmet Ulubasoglu                                               | The Australian Natural Disaster Resilience Index: a system for assessing the resilience of Australian communities to natural hazards<br>Phil Morley / Melissa Parsons | Improving the role of hazard communications in increasing residents' preparedness and response planning<br>Illy McNeill / Jen Boldero             |                                                                                                                                                                                                                                                                                       |
| <b>1:15pm</b>  | <b>Lunch and Close</b>                                                                                                                 |                                                                                                                                                                       |                                                                                                                                                   |                                                                                                                                                                                                                                                                                       |