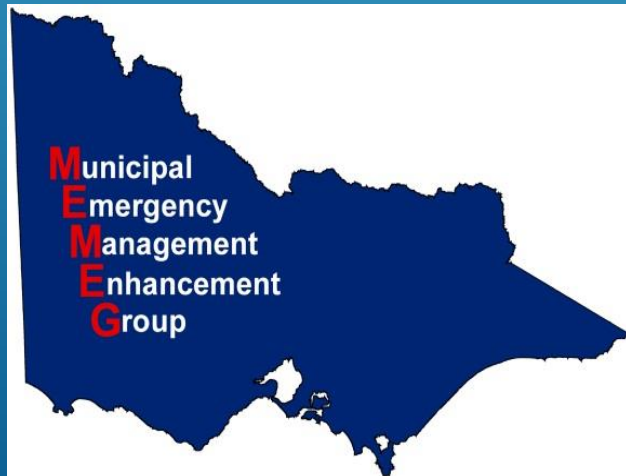


# WELCOME TO THE STATE MEMEG FORUM 2018

ROYAL AUSTRALASIAN COLLEGE OF SURGEONS  
250 SPRING STREET  
EAST MELBOURNE

Thursday 23 August 2018





# HELEN NAPIER STATE MEMEG CHAIR

Welcome and introduction



# THE FUTURE OF MEMEG WORKSHOP

SESSION 1:

Facilitator: Tracey Koper



MORNING TEA

MORNING TEA BREAK



# THE FUTURE OF MEMEG WORKSHOP

SESSION 2:

Facilitator: Tracey Koper



LUNCH

LUNCH BREAK



# EXERCISE CASE STUDIES

SESSION 3:

Presenters:

Lisa Travers & Kirsty  
Bromfield

**EXERCISE IRON HORSE -**  
North West Collaboration





# 2018 Regional NWMR Collaboration Exercise

## EXERCISE IRON HORSE

10 September 2018

 [www.twitter.](https://www.twitter.com/)





# Sharing our Exercise Iron Horse experience...

## What are we going to cover today?

- Focus on the exercise planning and management covering:
  - Why we decided to do things differently – identified benefits
  - How it was different from previous exercises planned
  - Did these changes contribute to a successful exercise
  - What would we do differently next time

10 September 2018





# What did we do?

## Planned and held a regional exercise - Exercise Iron Horse

- Held on Monday 14 May 2018 at Laverton Community Hub
- Multi-agency, functional ERC activation exercise
- Scenario – freight train derailment in Laverton resulting in possible rupture of a pressurised container carriage of anhydrous ammonia affecting a residential area of over 900 dwellings and a shopping precinct
- Designed to provide to a 'back to basics' learning experience of new and inexperienced ERC staff. Providing a safe learning environment for staff to increase their knowledge and confidence of their roles and responsibilities.

10 September 2018





## Exercise Aim

- To practice the activation, set up and running of a regional ERC and participation of resources from NWMR EM Collaboration, in accordance to NWMR ERC Standard Operating Guidelines.

## Exercise Objectives

- To test the activation process for emergency relief
- Practice receiving impacted persons
- Practice management of precinct field operations
- Practice management of information updates
- Practice provision of logistical services to support ERC operations
- Practice administrative communication and coordination processes
- Increase the confidence of NWMR staff to accept and undertake a role in an ERC.

10 September 2018











This year we decided to  
do a few things differently  
with the exercise planning  
– these became the

**key** to a  
**successful**  
**exercise**



# Why did we do things differently?

- Reliance on the same people to deliver the exercise annually
- Broaden and diversify the representation – there could be hidden skills in our midst
- Collaboration Strategic Planning Day highlighted the need to share knowledge and skills
- Staff voiced a desire to develop their exercise planning skills and capabilities
- Share workload across the region
- Improve the process for capturing observations and learnings from a large exercise to enhance training, processes and documentation
- To break out of the mould that ‘we do this every year – it’s in our business plan’



The **PLANNING** is as important as the exercise to build regional capacity and capability in local government emergency management!

10 September 2018







10 September 2018





# How did we do our planning differently?



## The First Step.... Building our Planning Team

- Developed a Planning Structure that facilitated collaborative participation
- Encouraged the initial planning team to recruit far and wide.
- 14 recruits for the Planning Team - 60% not involved in a NWMR Collaboration exercise in the past
- Agencies were invited to participate in the Planning Team
- New agency players – Ambulance Victoria

10 September 2018





# Exercise Iron Horse

## PLANNING TEAM

Planning Control and Coordination, Planning Structure, Aims and Objectives Structure, Development of Concept Document/Exercise Plan (including scenario), Schedule and Time Line Management

### Exercise Writing Team

Developing the schedule  
General Idea Mapping  
Special Injects

### Community Participation Team

Recruiting community participants and non-EM Council Staff  
Developed Role Player Roles  
Developed guidance notes on role expectations for evaluation  
Management of Green Room  
Role play coordination on the day  
Wellbeing of role players  
Analysed Role Play Evaluation

### Roster Coordination Team

Built ERC staff roster  
Mentor recruitment  
Invitations to staff to participate  
Equitable spread of participation across the collaboration  
Management of Red Room

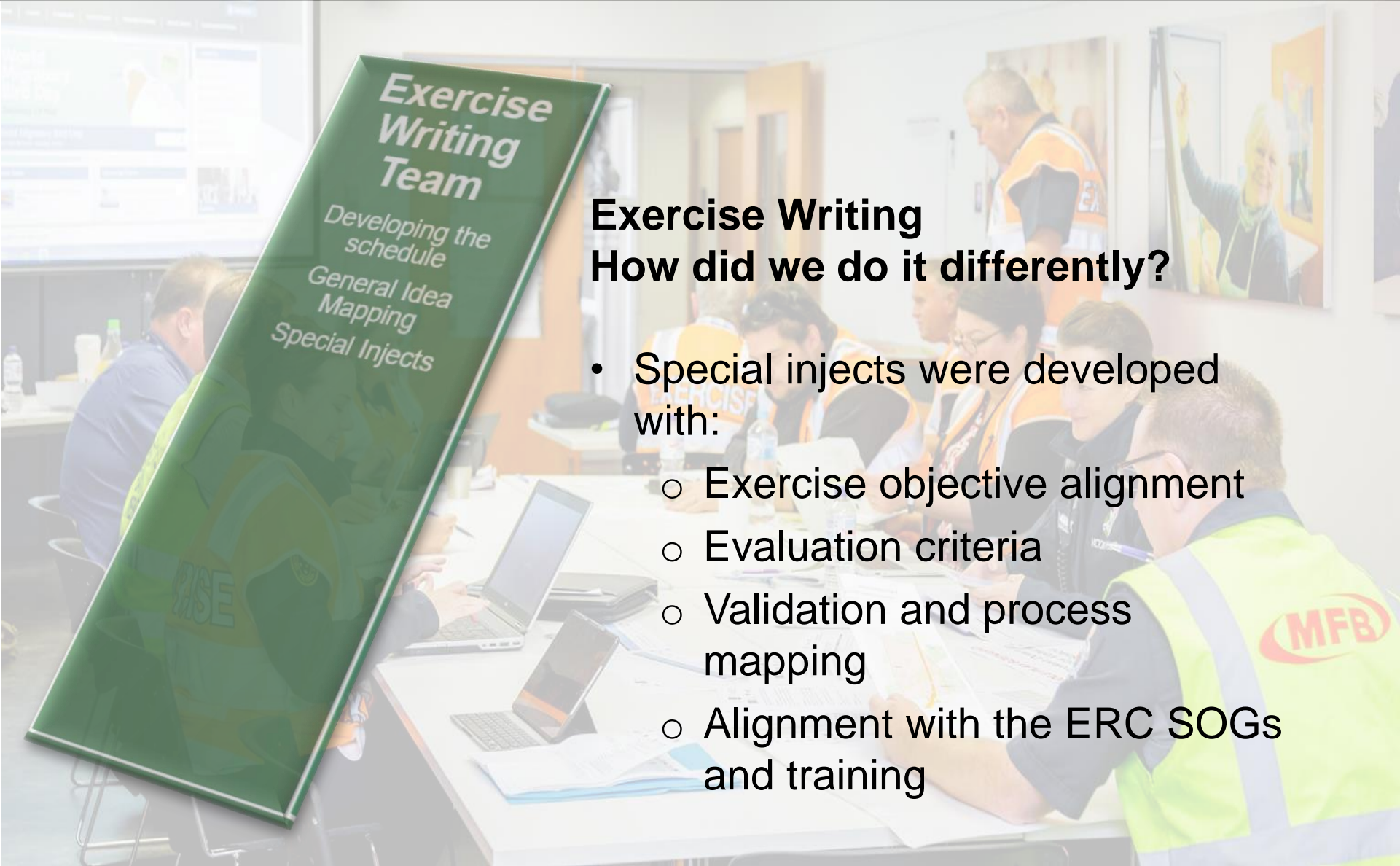
### Logistics Team

Catering  
Equipment  
Parking  
ERC Kits  
Localised Animal Management  
Preparedness

### Evaluation Team

Evaluation Plan  
Templates  
Briefing Notes  
Recruitment of Evaluators  
Coordination and briefing of evaluators  
Analysis of evaluation and ERC  
Pre and Post Surveys





## Exercise Writing How did we do it differently?

- Special injects were developed with:
  - Exercise objective alignment
  - Evaluation criteria
  - Validation and process mapping
  - Alignment with the ERC SOGs and training

10 September 2018





## Community Participation and Role Play

### What did we do differently?

- Recruited non-EM Council staff as role players
- Developed detailed Role Player Guidance Note Lanyards including what role players should expect and when the role play should conclude
- The Role Player lanyards included specific evaluation questions relevant to that role play

10 September 2018







## Exercise Evaluation What did we do differently?

- Enhanced alignment of Evaluation Plan with exercise objectives

### Evaluation methods:

- Special inject evaluation
- Pre and post ERC staff surveys
- Role players evaluation

### Exercise Evaluation Report

- Exercise Improvement Implementation Plan
- Recommendations allocated to Working Groups





10 September 2018





# How do we know these planning changes led to success?

- The exercise ran smoothly and hit the mark with the 'back to basics' participants providing the learning experience they needed
- Commitment was maintained during the planning phase as team members felt their input was valued and the time commitment was achievable
- Skills and knowledge have been transferred between councils and agencies building capacity and capability in the region
- Positive anecdotal feedback from ERC staff, agencies and role players
- Maintained momentum and engagement of ERC staff and an increased interest in ERC role recruitment
- Identified a number of learnings in the Evaluation Report
- Special inject evaluation provided a full understanding of what had happened to allow the process to be fully assessed and improvements identified



10 September 2018

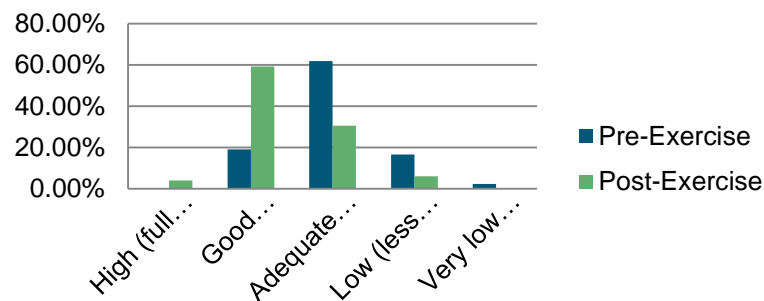




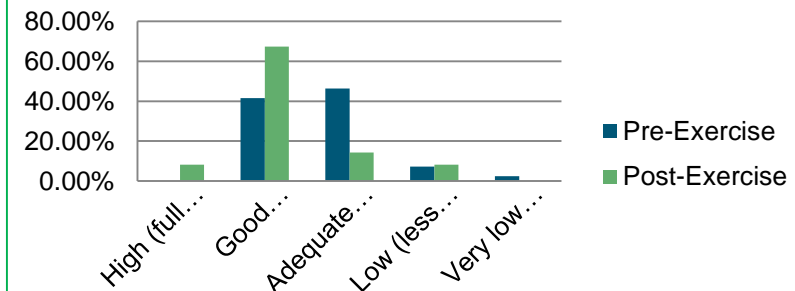
# How do we know these planning changes led to success?

- Increase in confidence and knowledge of ERC staff
  - Knowledge of role in ERC increased by 210%
  - 63% increase in staff who were confident to take on a role in an ERC during and emergency.

## How would you rate your knowledge of your role in an ERC?



## Rate your confidence to work in an ERC during an emergency event:





# What improvements could we make for future exercise planning?

## Role Play Coordination

- Stagger role play arrival times to reduce waiting times

## EXCON and Exercise Coordination

- Provide individual briefings for critical EXCON roles to ensure roles and responsibilities understood (Mentor, Inject Coordinator...)
- Activate and exercise the MECC as part of the exercise – a planning decision was taken to not activate the MECC for Iron Horse
- Plan for the consequences of maintaining an operation centre whilst running an exercise
- Provide a dedicated 'graffiti wall monitor'

10 September 2018





**If you takeaway one thing from today...**



10 September 2018





# EXERCISE CASE STUDIES

## SESSION 3:

**EXERCISE ORWELL** - Animal  
Management

Dianna Blake - Wimmera  
Emergency Animal  
Welfare Support Plan 2017



10 May, 2018

# Exercise Orwell



Based on an emergency event affecting our partner councils and the activation of the Wimmera Emergency Animal Welfare Support Plan 2017



# Partner Councils

Collaboration in Emergency  
Management planning  
through shared MERP  
funding and the Wimmera  
Emergency Management  
Resource Sharing Program  
(2012 – 2020)





# Emergency Animal Welfare Support Plan

endorsed by all partner councils in July 2017

- Identified as one of several plans suitable for integration across the four Partner Councils
- Objectives of the plan are to:
  - Ensure animal welfare support is considered and need assessed before, during and after an emergency
  - Prescribe the resources that are available locally and externally that may support the plan
  - Outline the municipal coordination arrangements for animal welfare support
  - Provide advice to the community on animal welfare support before, during and after an emergency



# Exercise Orwell - Objectives

---

- Ascertain the current level of preparedness across the Partner Councils in relation to the plan
- Evaluate the activation and escalation of the plan by a Partner Council, DEDJTR or Control Agency
- Validate the current collaborative arrangements for the coordinated delivery of emergency animal welfare support services in accordance with the plan
- Ascertain the capacity and capability across the Partner Councils to manage recovery, and coordinate an integrated approach to community communication



# Exercise Orwell - Structure

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- Designed and delivered by Kirkham-Smith Consultants, in collaboration with the Wimmera Emergency Management Team



- Hybrid syndicate-discussion exercise undertaken in between presentations by guest speakers
- Demonstrated Crisisworks and EM-COP



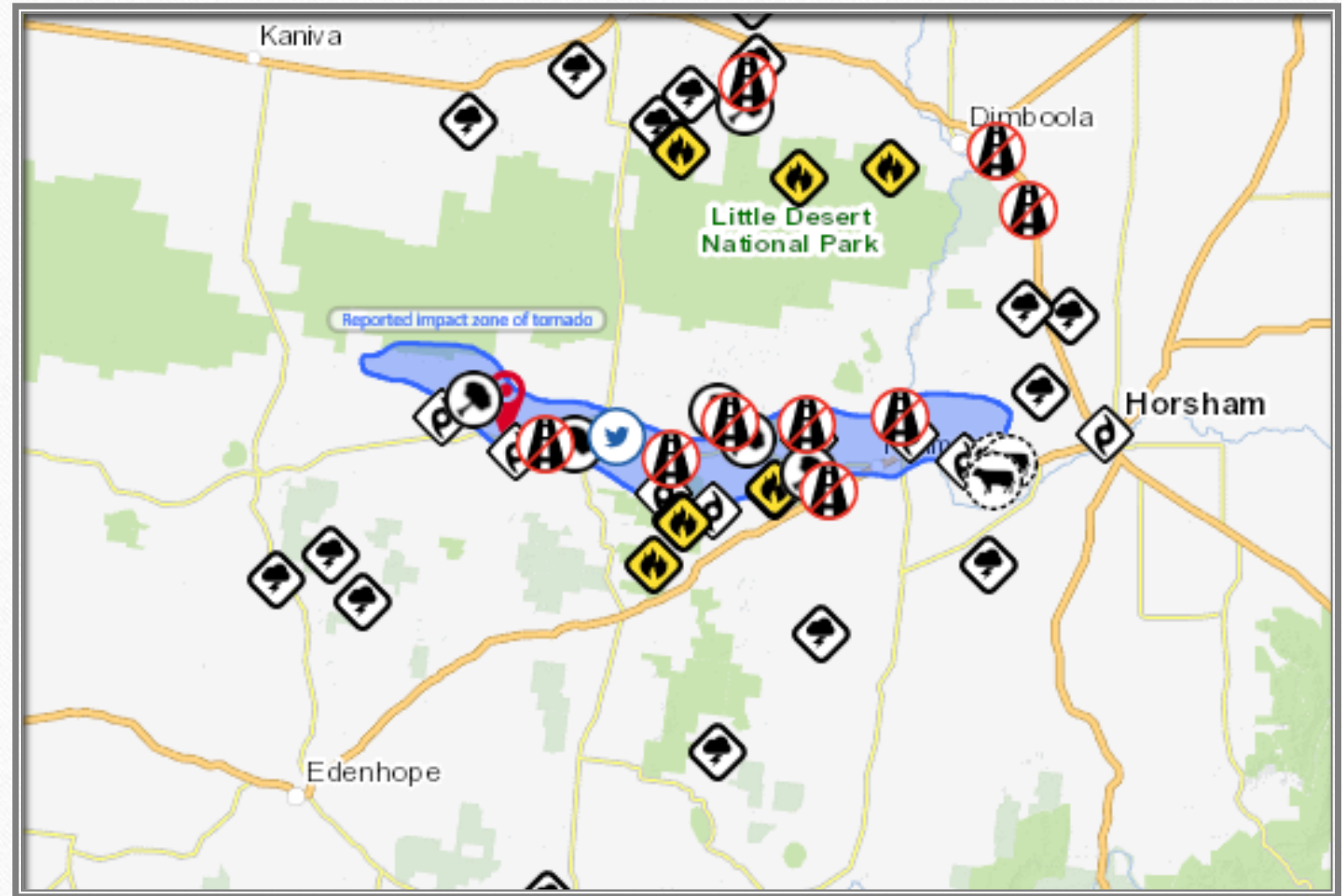
# Guest Speakers

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- **Cherie Graham**  
Chief Emergency Officer, Moorabool Shire  
**Scotsburn Animal Recovery**
- **Paul Beltz**  
Senior Veterinary Officer SW, DEDJTR  
**Victorian Emergency Animal Welfare Plan**
- **Ryan Straub**  
Environment Protection Authority  
**EPAs role in EM**
- **Andrew McBride**  
Livestock Divisional Manager, Luv-a-Duck  
**Operations & Disaster Management**



- Use of EM-COP for situational awareness
- Use of Crisisworks for SMS messaging to EMT
- 35 participants; 4 LGA's; 7 Agencies





# Did we meet the objectives?

---

- Partner Councils were found to be reasonably prepared in relation to the plan - areas for improvement were identified
- Partner Councils were able to activate and escalate the plan – potential for improvement in the escalation process and chain of command understanding
- Current collaborative arrangements were demonstrated – further opportunities to enhance these were identified
- While all Partner Councils demonstrated a good knowledge of community communication, more work can be done in developing templates. Similarly, management of donations and volunteers needs further definition



# Recommendations for Partner Councils

---

1. Pre-identify deceased animal disposal sites to facilitate the application for Section 30A approval with the EPA
2. Undertake further awareness training of the chain of command specifically for emergency animal welfare activities to ensure consistent understanding and application of the response structure and associated responsibilities at State, Regional and Local level
3. Confirm the need for, and availability of, potential human and physical resources that could be shared among Councils for the provision of emergency animal welfare support



# Recommendations for Partner Councils

---

4. Undertake further training in EMLO roles, and use of Crisisworks as a tool to coordinate local operational requirements, relief and recovery services for emergency animal welfare services
5. Appendix H: Animal Processing Procedure be reviewed to reflect the tools used by Council Rangers and Partner Councils application of Crisisworks during emergency events



# Participant Feedback Report

---

Utilised **SurveyMonkey** with 6 questions – 13 respondents

- “Really enjoyed the day, never been so engaged in a training exercise”
- “The presentations and format were excellent. It was a great mix that kept you engaged with expert advice at hand”
- “The presentations helped develop the setting of the exercise and provide some perspective of the issues that need to be considered”
- “One of the best exercises I have ever been involved with”



# EXERCISE CASE STUDIES

SESSION 3:

**EXERCISE POLDARK –**

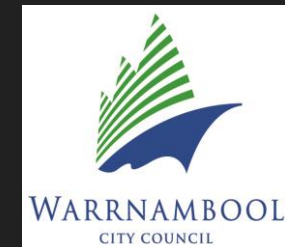
Sue Rondeau and Mat  
Deans

Moyne / Warrnambool



# Exercise Poldark

Multi agency field exercise





# Exercise overview

- Over 120 personnel and volunteers
- 20 community volunteers
- Observers area
  - Pre activation scenario video
  - 2 x screen live video feed
- Multi - Agency representation included CFA, VicSES, VicPol, AV, DHHS, VCCEM, Southwest Healthcare
- Conducted in real time





# Exercise overview

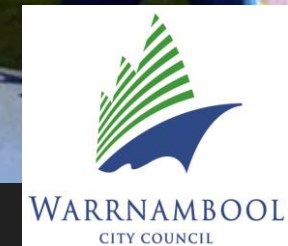
- Cross Council
- Media
- Hot Debrief on the night & AAR
- Survey monkey distributed to all participants





# Purpose

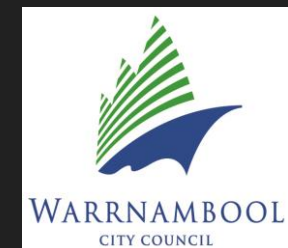
- Test operational & incident management levels
- Test capability and capacity of Council & agencies
- Test response & relief agencies
- Test MEMPlan & Warrnambool Regional Airport Emergency Management Plan
- Work together & develop relationships





# Background

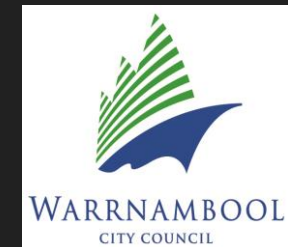
- Joint Warrnambool City Council and Moyne Shire Council MEMPC
- Exercise Sub-Committee
  - Membership includes CFA, AV, VicSES, FFM, VicPol, DHHS & Wannon Water & Council
- Function of the Sub-Committee
  - Exercise and test the MEMPlan





# Exercise

- Mat & Sue wrote, coordinated and directed the exercise
- Used Sub-Committee to validate exercise scope
- Developed a Participants Kit
  - Exercise Aim & Objectives
  - Exercise Rules & Safety Information
- Used agency comms to activate and respond services
- Developed role players scripts
- Developed a presentation to set the scene





# Exercise Team

- Director
- Deputy Director
- Safety Officer
- Site Access Officer
- IT Coordinator
- Roving camera operators
- ARO
- Catering





# Challenges

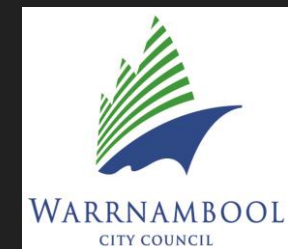
- Operational airport
- HEMS 4 on site
- Weather
- Drones prohibited





# Outcomes

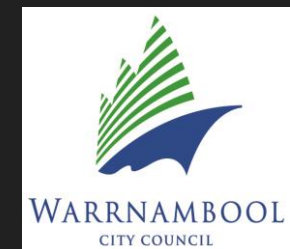
- Increased community awareness of planning & preparing in EM
- Built relationships between agencies
- Identified gaps in Warrnambool Regional Airport EM Plan
- Recovery acknowledged as a key component immediately following any emergency
- Agencies learnt about each others capabilities





# Outcomes

- Exercise was rated by all participants as overwhelmingly successful and generated a commitment to exercise regularly
- Highly Commended at the LGPro Awards for Excellence.







EMERGENCY  
MANAGEMENT  
EXERCISE  
IN PROGRESS



WARRNAMBOOL  
REGIONAL AIRPORT



**QUESTIONS**



# EXERCISE CASE STUDIES

SESSION 3:

Presenter:

Mike McStephen

Wellington Shire Council

**EXERCISE ERC ACTIVATION**



# Emergency Relief Centre Exercise

**Mike McStephen**

Emergency Management Fire Coordinator

**MEMEG Forum, Aug 23, 2018**



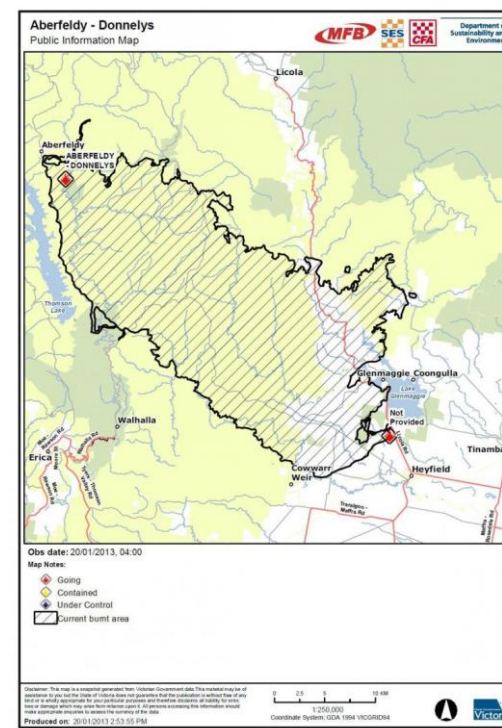
**WELLINGTON**  
SHIRE COUNCIL  
*The Heart of Gippsland*



# ERC Exercise

## Emergency Relief Centres

- Why we ran it
- What we planned
- What happened
- What came out of it





# Why we ran it

Quiet years

Staff changes

Equipment changes

Skills maintenance

Re-engage staff

## IMPORTANT INFORMATION

Some Roads, Tracks and Visitor Sites in this area may be

### Closed

for repair due to FIRE and FLOOD damage

During the 2006/2007-fire season, more than one million hectares of the Victorian High Country was burnt. In the interest of public safety, the Department of Sustainability and Environment, Parks Victoria and Local Government have closed a number of roads & tracks, camping & visitor sites and other amenities in this area.



Some roads and tracks need to remain closed as

- dangerous sections require repair
- original routes need to be restored
- burning material under a road may result in the road collapsing
- blocked culverts may lead to flooding



Water in streams and rivers may be unusable as

- silt and ash has been washed into rivers
- decomposing fish/wildlife will contaminate waterways
- unstable banks may make collecting water hazardous



Camping areas and visitor sites may be closed as

- trees may be internally weakened by fire
- tree roots may have been burnt underground cut by heavy machinery
- burnt trees may drop limbs
- toilets and other facilities have been burnt

For further information call  
The Department of Sustainability and Environment on 13 61 86 Or Parks Victoria on 13 19 63





# What we planned

An emergency to trigger an ERC establishment

Narrow focus

- Trigger
- Set up
- Register with Red Cross
- Close down
- Debrief
- Back to work

Communication difficulties in processing evacuees





# What we planned

“Register with Red Cross”

WAIAG:

Wellington Access and Inclusion  
Advisory Group

Assist Council

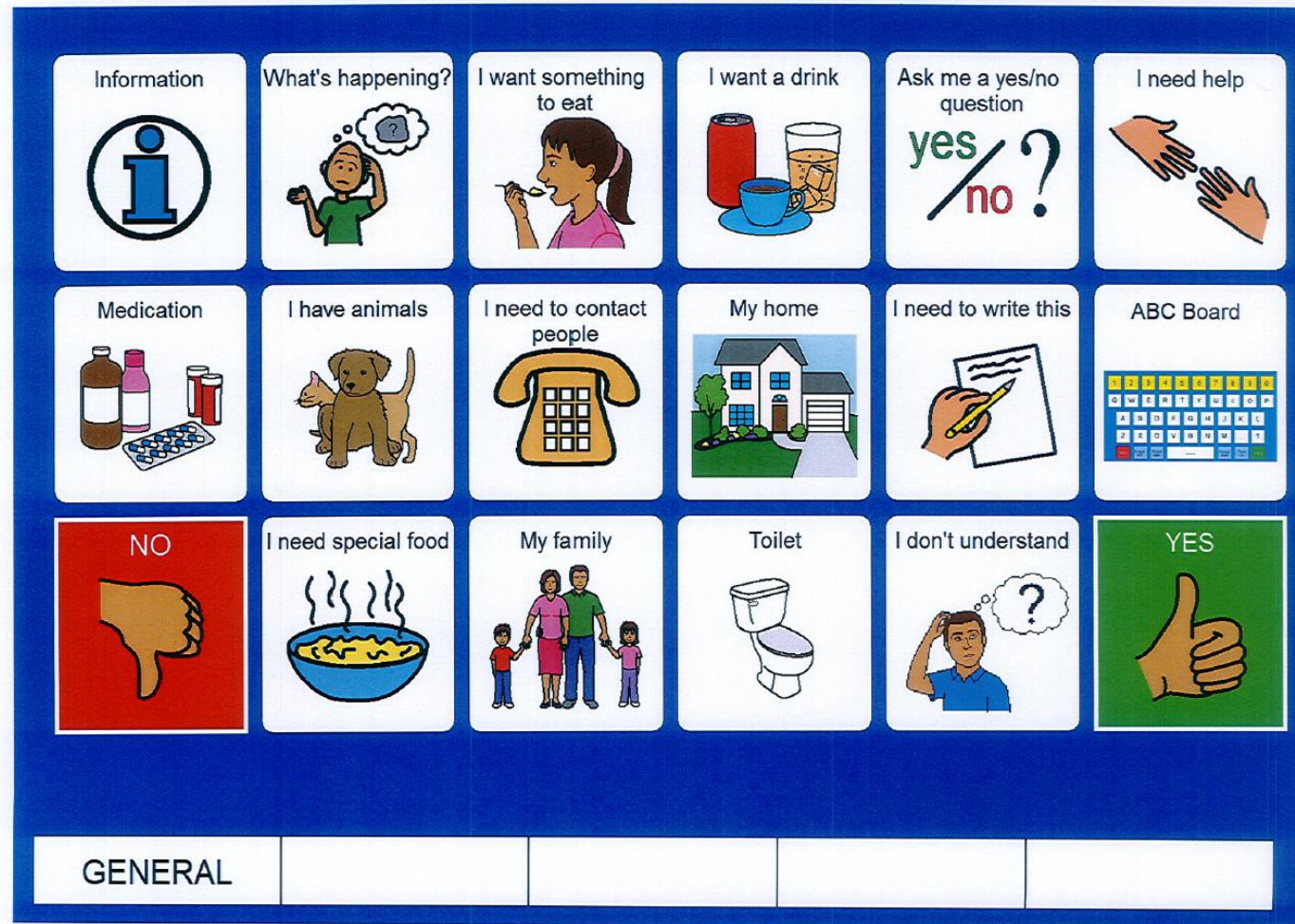
- Advice and advocacy on access and inclusion matters
- Identify and address access issues





# What we planned

## Communication Boards



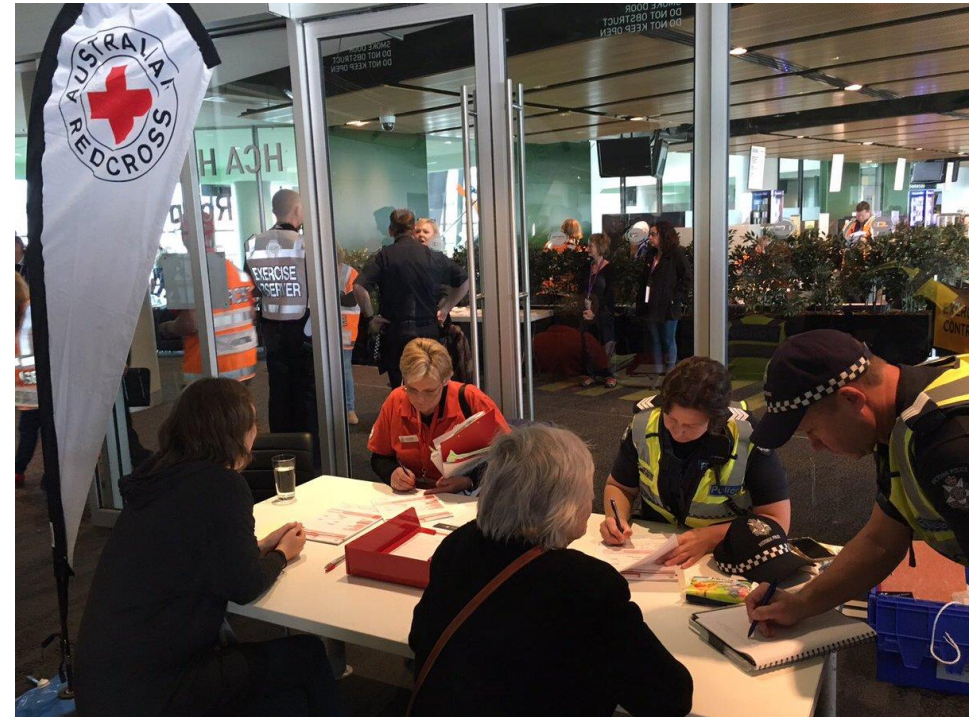


# What happened

ERC: Sale Baptist Church

1. Wellington ERC staff deployed
2. Red Cross volunteers arrived
3. WAIAG “evacuees” arrived

- Very slow to register
- Queues started to form



**Register. Find. Reunite.**



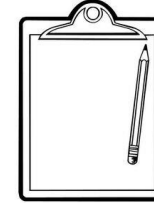
# Lessons identified

Debrief of all participants

9 lessons identified

#2: Slow registration – both staff and evacuees

- Training for ERC staff in interacting with people with special needs.
- Resources produced to support ERC activities





# Personal Information Card

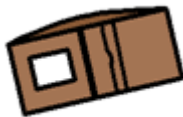
**About Me** is a personal information card to help you communicate in an emergency.

**CAN**  
Communication  
Access Network

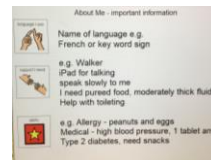
**scope**



It is the size of a credit card.



It fits in your purse, wallet, or pocket.







It has information on both sides.






# What information is on it?

About Me - personal identification card

|  |  |
|--|--|
| <br>name      | First name Surname Gender M/F/O<br>Date of Birth |
| <br>address   | Number Street<br>Town VIC 3850                   |
| <br>contact 1 | Emergency Contact name surname<br>Phone number   |
| <br>contact 2 | Emergency Contact name surname<br>Phone number   |

About Me - important information

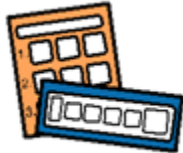
|   |   |
|---|---|
| <br>language I use | Name of language e.g.<br>French or key word sign<br><br>e.g. Walker   |
| <br>support I need | iPad for talking<br>speak slowly to me<br>I need pureed food, moderately thick fluids<br>Help with toileting  |
| <br>alerts       | e.g. Allergy - peanuts and eggs<br>Medical - high blood pressure, 1 tablet am<br>Type 2 diabetes, need snacks |



# How do we make a card?



It is on Boardmaker – a program that is on a Wellington Shire library computer



We have made an outline or template



Open the file, add your information



Print



Trim and laminate



# ERC “Evacuees” Support Team



**Leanne Wishart, Rural Access Coordinator**  
**[Leanne.Wishart@wellington.vic.gov.au](mailto:Leanne.Wishart@wellington.vic.gov.au)**



**Sheryl McHugh, Vulnerable Persons Officer**  
**[Sheryl.McHugh@wellington.vic.gov.au](mailto:Sheryl.McHugh@wellington.vic.gov.au)**



**Jocelyn Collins, Regional Communication  
Service. Scope Community Services**  
**[JCollins@scopeaust.org.au](mailto:JCollins@scopeaust.org.au)**





# Questions?

[Mike.McStephen@wellington.vic.gov.au](mailto:Mike.McStephen@wellington.vic.gov.au)

*The Heart of Gippsland*



# EXERCISE CASE STUDIES & LEARNINGS

SESSION 3:

**Learnings from Barwon  
South West**

Presenters: Sharna  
Whitehand, Sue Rondeau,  
Jarrod Woff & Matt  
Chamberlain



**MEMEG**  
23 August 2018



# **South West Complex Fires**

## **23 August 2018**



# MEMEG

23 August 2018



Initial Fire

Clean Up

Peat Fires

Recovery

Learnings



# MEMEG

23 August 2018



- Severe Day
- ICC/RCC
- Wind/Power/Fire/Smoke
- Intel problematic
- 10 Relief Centres
- Penshurst Hospital Relocation
- Terang Aged Care Relocated
- Trauma





# MEMEG

23 August 2018



- 15,000 hectares
- 26 homes
- 63 sheds/outbuildings
- 2,995 cattle and sheep
- 2,895 km fencing
- Cobden Health Relocated
- Schools relocated
- CHAC



# MEMEG

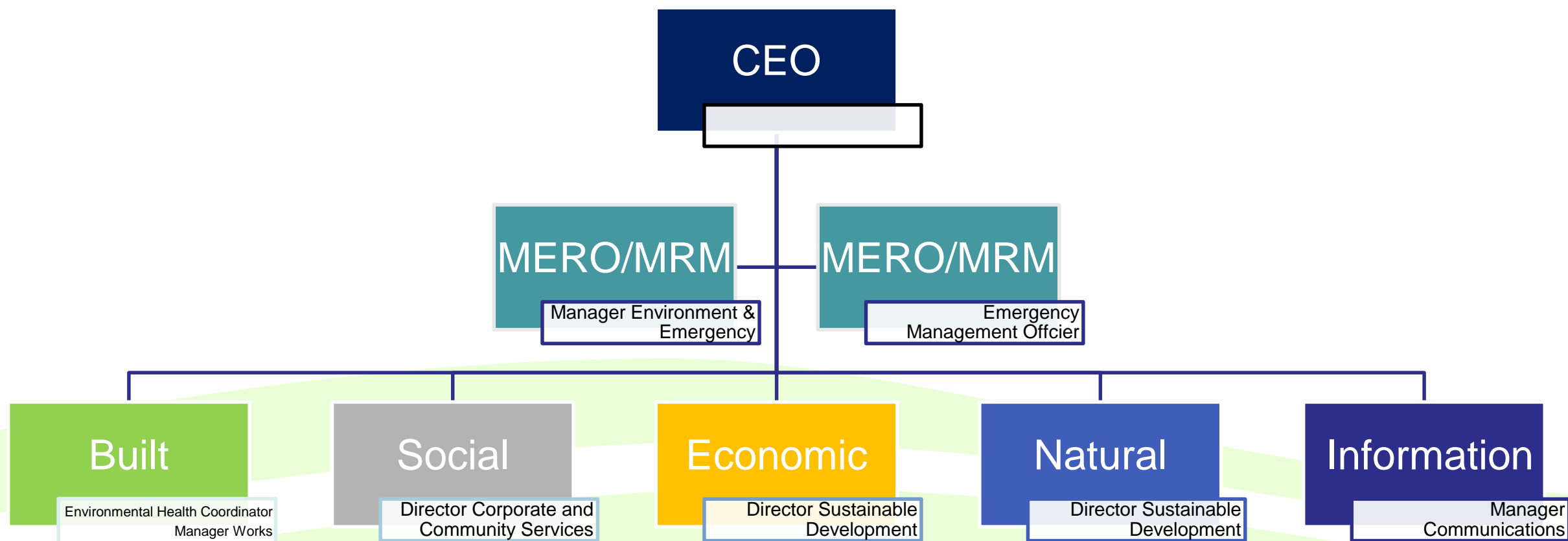
23 August 2018





# MEMEG

23 August 2018





# MEMEG

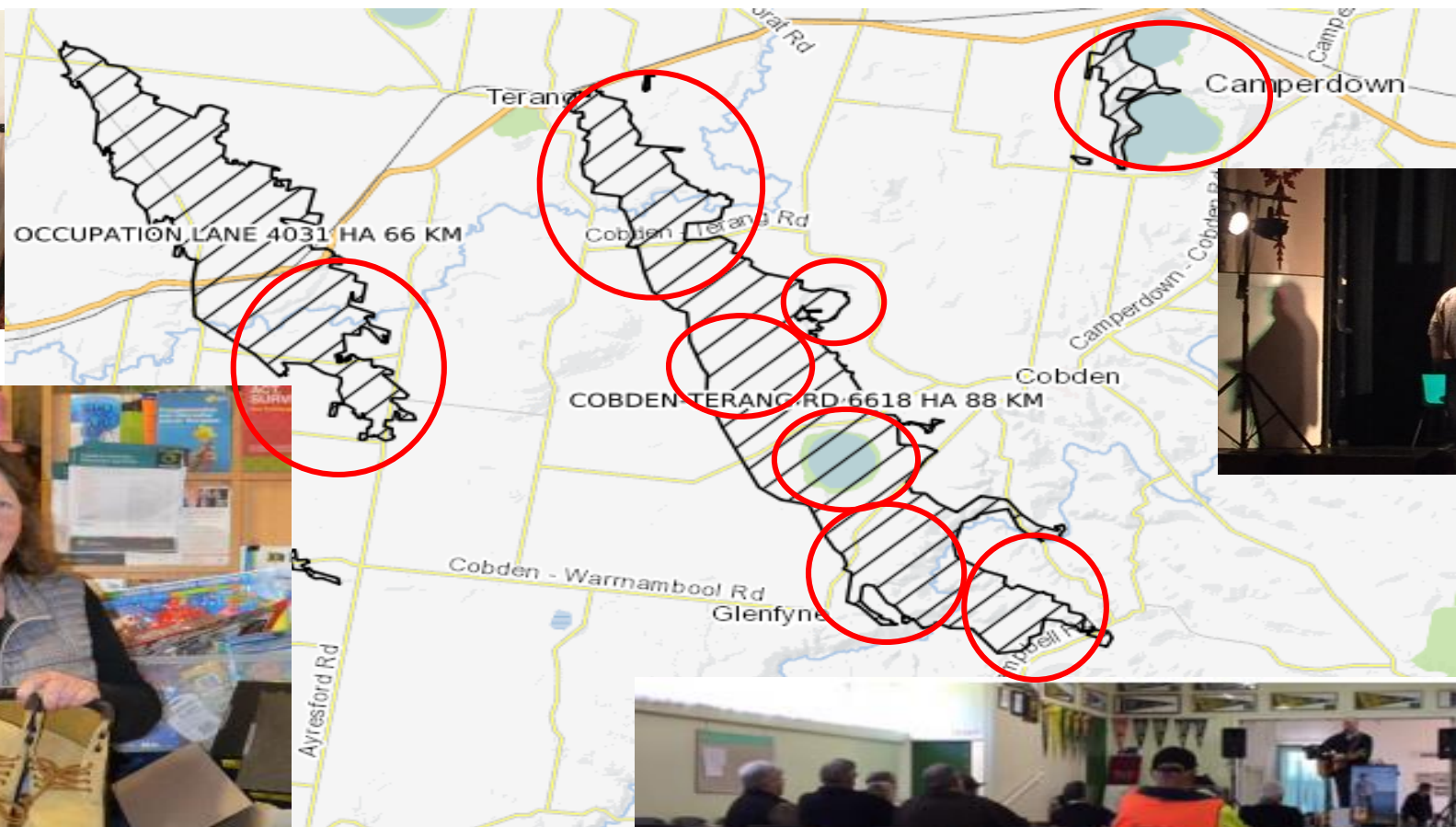
23 August 2018





# MEMEG

23 August 2018





## Corangamite Shire Reflections

- 2 weeks grace with BAU
- No wrong doors – all councils agreed to offer same services
- Chain of Command
- Staffing – resourcing – accommodation
- MERO/MRM
- Willingness of staff to pitch in
- Resilience – community expectations
- ERC vs NSP
- Recovery funding



# MOYNE SHIRE COMMUNITY LED RECOVERY

---





# Fires

Gazette Fire



2018 South West Fires- 1200hrs 25 Apr - A3P - 1:300,000



Garvoc Fire



Southern Grampians  
SHIRE COUNCIL



MOYNE  
SHIRE



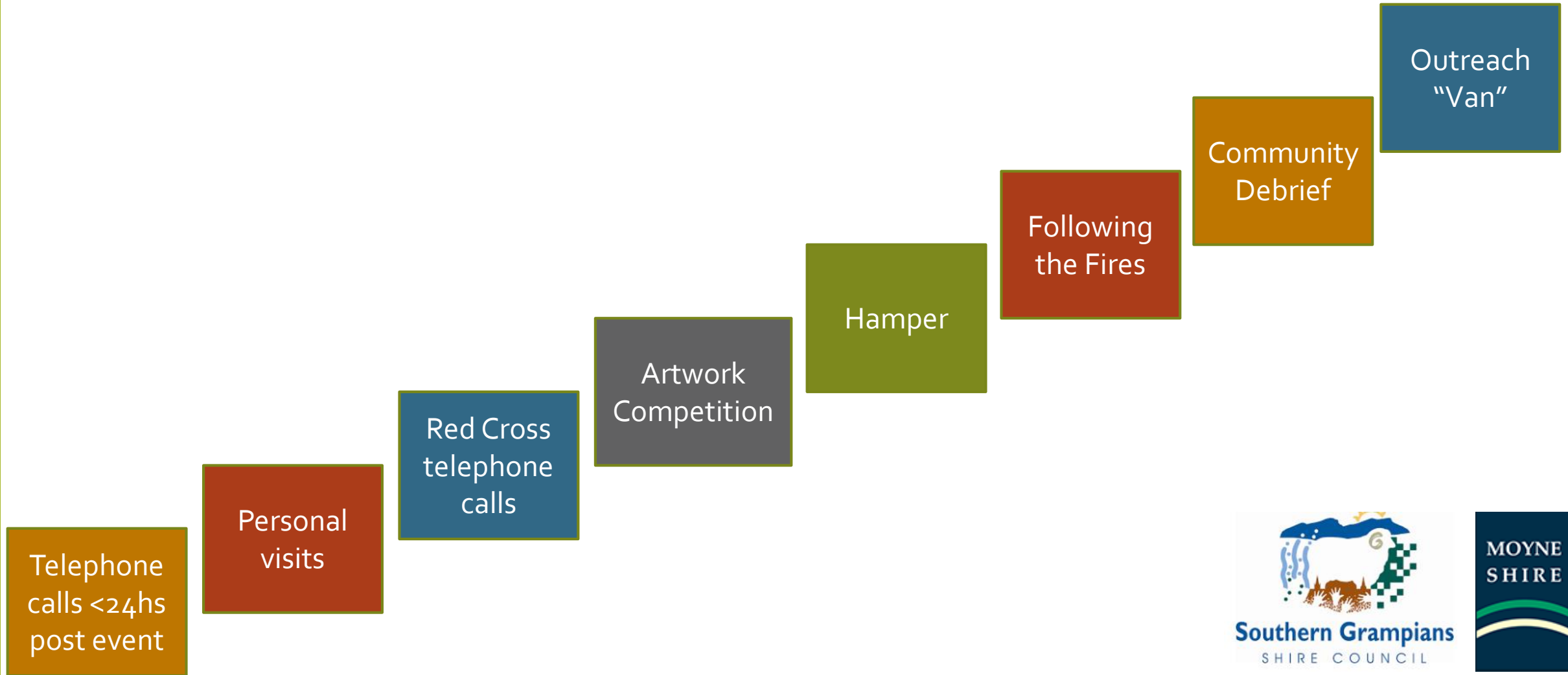
# Challenges with Recovery

- Funding
- Emergency vs directly fire affected communities
- Mix of lifestyle and primary procedure properties impacted
- Community divisions
- Lack of agency knowledge of their role in Recovery
- Fire crossed borders
- Filtering bad advice
- Pushing back to State and Region
- Female leader
- Distance



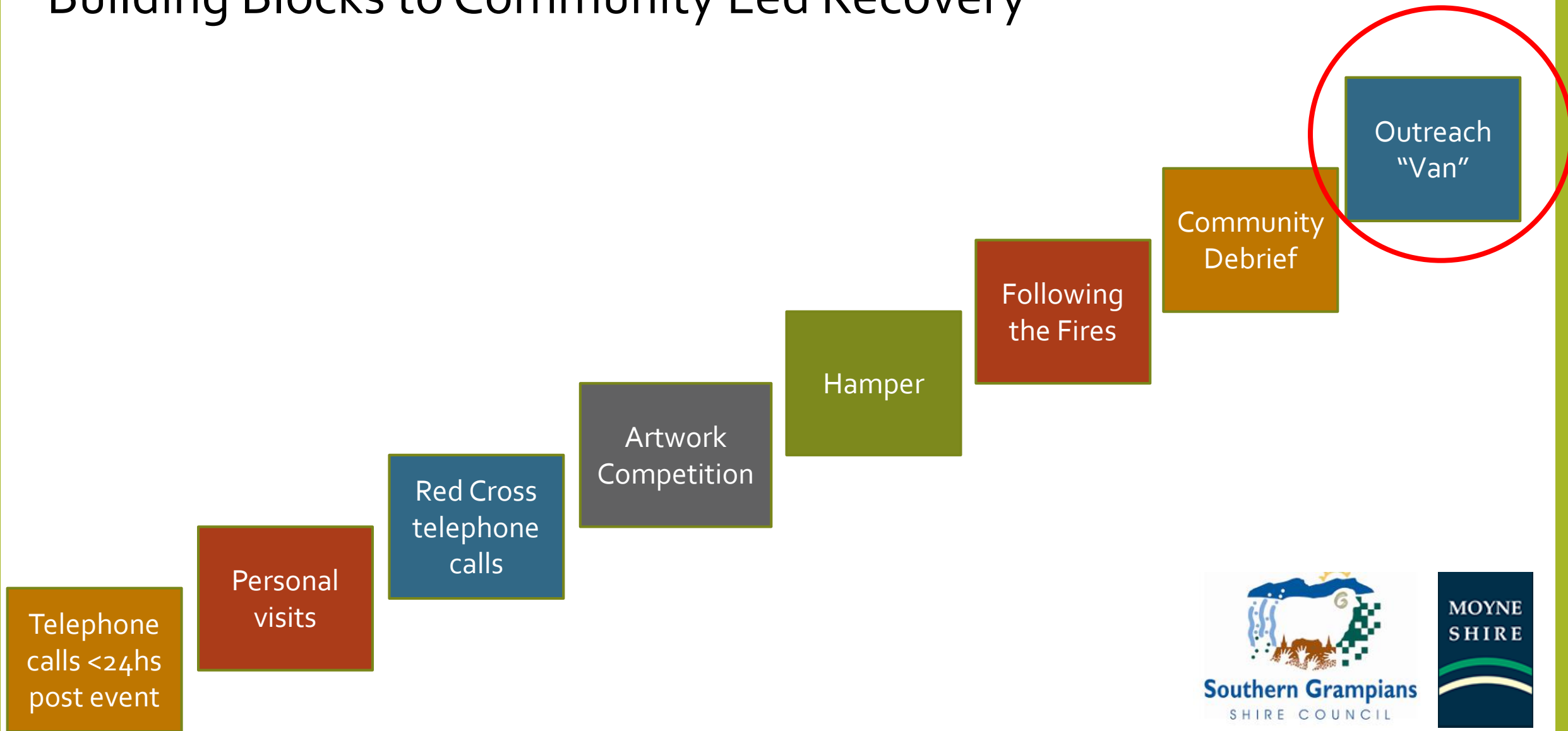


# Building Blocks to Community Led Recovery





# Building Blocks to Community Led Recovery





# Outreach Strategy “Van....tastic”

How did we get here?





## Stats

17 days



206



40+ Connections



100+ Linkages









“The van is enabling the community to talk with each other, building relationships where none existed before. And moving the community into not only the “new normal” but into renewal.”

Angus McGillivery  
Fire Affected Farmer - Garvoc





# Learnings

- Some days you will cry
- Magic will happen before your eyes
- Conversations will continue
- Relationships will be stronger
- New connections will be made
- You need to be flexible, adaptive, supportive, creative and have a vision
- Have Council support and a great team
- Build Trust – Listen and Care





This model can be used following any emergency in any State or Country





# REMEMBER

Real people are  
involved in  
emergencies





# REMEMBER

Real people are  
involved in  
emergencies





# Regional Reflections

- Farmers Support Program
- Community activated relief centres
- CHAC at Relief Centre
- RJPIC
- Crisisworks - Case Management
- 2 IA Portal
- Donations
- NDRRA - TA 1/11/18
- Council Collaboration
- Support in Schools
- Community Debriefs
- Communities Pace - Resilient Recovery
- Trees, trees, trees, trees



# QUESTIONS

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# STATE UPDATE

SESSION 4:

**Upcoming Reviews –**  
Workshop

Presenter: Julie Hoy (IGEM)



# STATE UPDATE

SESSION 4:

## **Impact Assessment Update**

Presenters: Fyowna Norton  
& Danny Rey-Conde  
(EMV)





# Understanding the Impacts of Emergencies on Communities

**State MEMEG 23 August 2018**

Fyowna Norton  
A/General Manager, Relief and Recovery

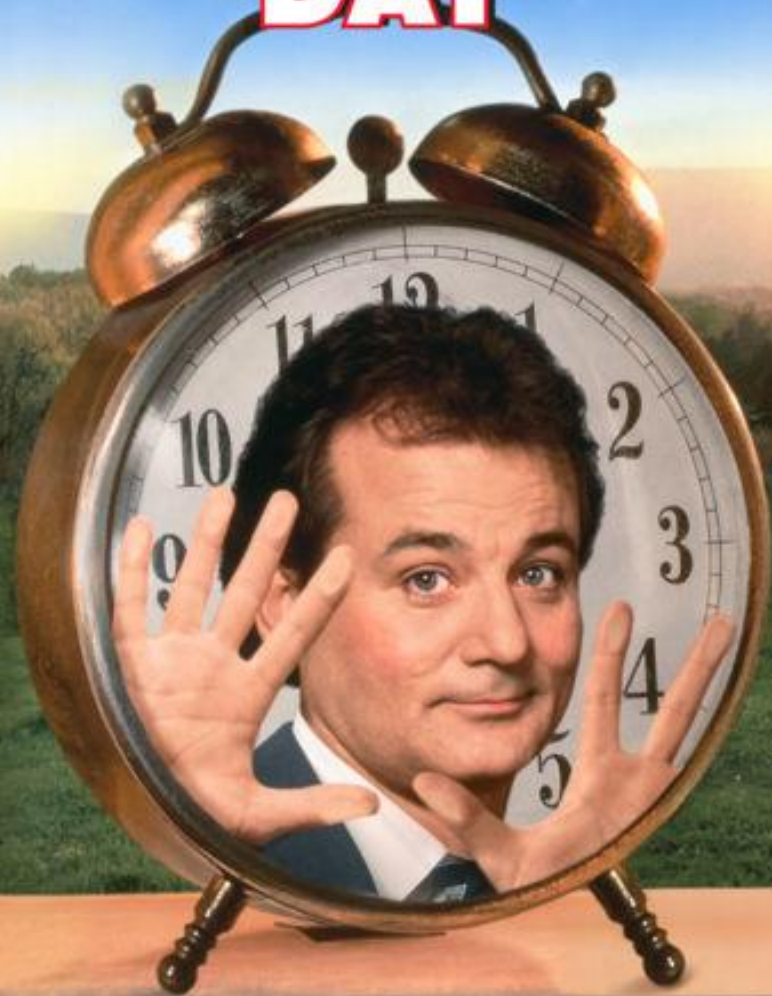
**Working in conjunction  
with Communities,  
Government, Agencies  
and Business**







BILL MURRAY  
**GROUNDHOG  
DAY**









## Action 24. Review the impact assessment system to:

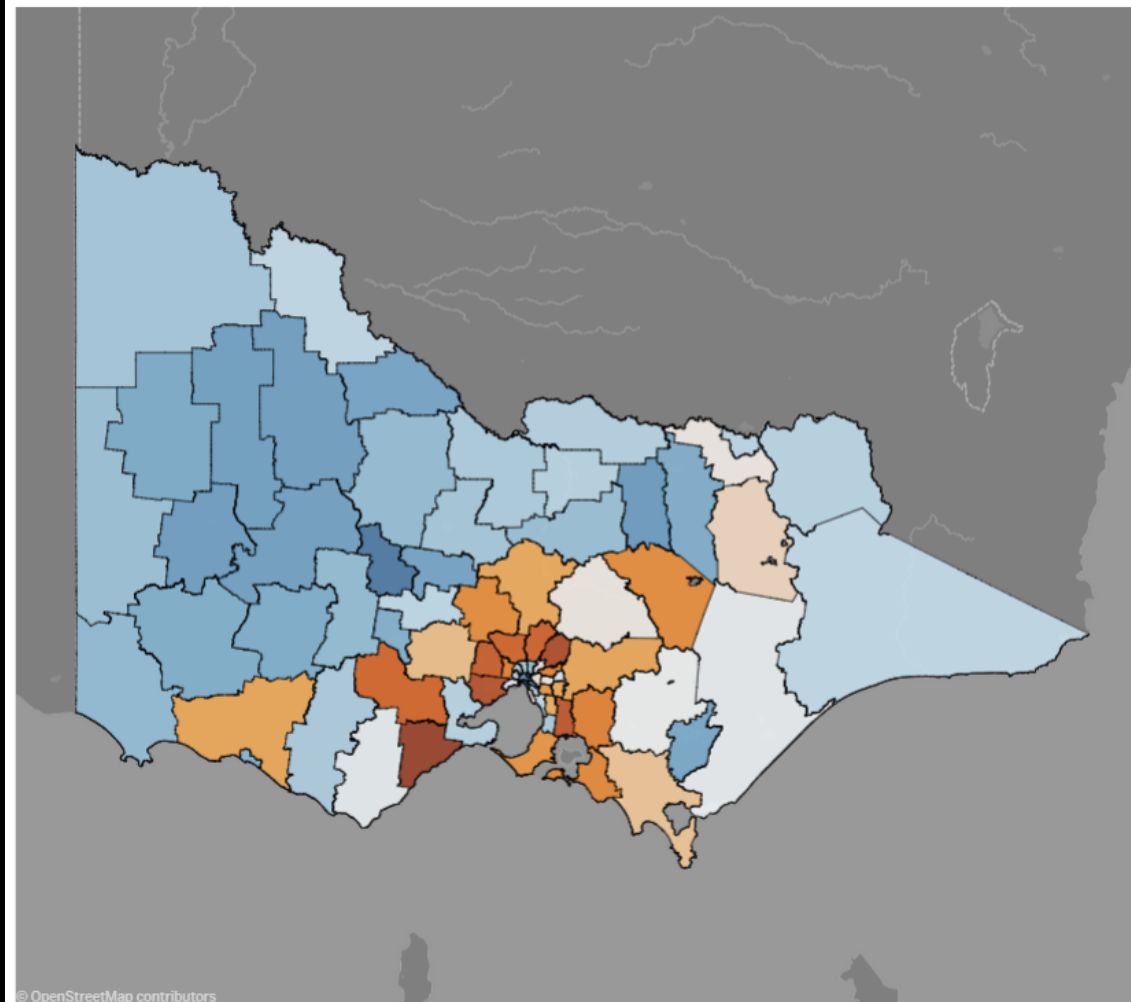
- Identify agency responsibilities, information required and data collection, and
- Develop procedures and protocols to support the collation, analysis, sharing and distribution of collected data (consider a common information management system).







Select a Community Type: Local Government Area  
 Select one or more Community Groups: (All)  
 Select one or more Communities: (All)  
 Select one or more Indicators: (All)  
 Select a Census Year: 2016



© OpenStreetMap contributors

Details are shown for Social Character > Household composition > % Lone person households.

% Lone person households is calculated using Number of households with only one person aged 15 years or over and Number of households from Australian Bureau of Statistics Census Data Packs 2016.

Spatial data for Government Region, Local Government Area, Postcode and Suburb geographies are obtained from DELWP's VICMAP products, last refreshed on 15-July-2017. Spatial data for ABS Statistical areas are obtained from ABS publication 1270.0.55.001 - Australian Statistical Geography Standard (ASGS): Volume 1 - Main Structure and Greater Capital City Statistical Areas, July 2011.

|                    |      |
|--------------------|------|
| Alpine             | 20.6 |
| Ararat             | 25.3 |
| Ballarat           | 25.2 |
| Banyule            | 21.1 |
| Bass Coast         | 16.8 |
| Baw Baw            | 21.4 |
| Bayside            | 20.8 |
| Benalla            | 26.5 |
| Boroondara         | 20.9 |
| Brimbank           | 16.4 |
| Buloke             | 26.3 |
| Campaspe           | 23.2 |
| Cardinia           | 16.5 |
| Casey              | 13.8 |
| Central Goldfields | 28.7 |
| Colac Otway        | 21.5 |
| Corangamite        | 23.3 |
| Darebin            | 24.1 |
| East Gippsland     | 22.4 |
| Frankston          | 23.4 |
| Gannawarra         | 25.9 |
| Glen Eira          | 22.9 |
| Glenelg            | 24.4 |
| Golden Plains      | 15.0 |
| Greater Bendigo    | 23.6 |
| Greater Dandenong  | 18.6 |
| Greater Geelong    | 22.8 |
| Greater Shepparton | 22.8 |
| Hepburn            | 22.5 |
| Hindmarsh          | 25.5 |
| Hobsons Bay        | 21.8 |
| Horsham            | 26.4 |
| Hume               | 14.8 |
| Indigo             | 21.2 |
| Kingston           | 22.5 |
| Knox               | 18.4 |
| Latrobe            | 25.7 |
| Loddon             | 24.3 |
| Macedon Ranges     | 17.0 |
| Manningham         | 16.4 |
| Mansfield          | 17.0 |
| Maribymong         | 22.7 |
| Maroondah          | 21.7 |
| Melbourne          | 27.2 |
| Melton             | 14.4 |

Click to select a Measure

- ☐ % People arrived in Australia in last ten years
- ☐ % People speaking English not well or not at all
- ☐ % People needing assistance with a core activity
- ☐ % One parent families
- ☐ % Families with children
- ☐ % Families without children
- ☒ % Lone person households
- ☐ % Group households
- ☐ Sex ratio
- ☐ % People aged over 75
- ☐ % People aged under 15
- ☐ Median age of people
- ☐ Median rent (weekly)
- ☐ Median household income to mortgage differential (weekly)
- ☐ % Dwellings without a motor vehicle
- ☐ Median family income (weekly)
- ☐ % People with low income
- ☐ % People with high income
- ☐ Population growth or decline



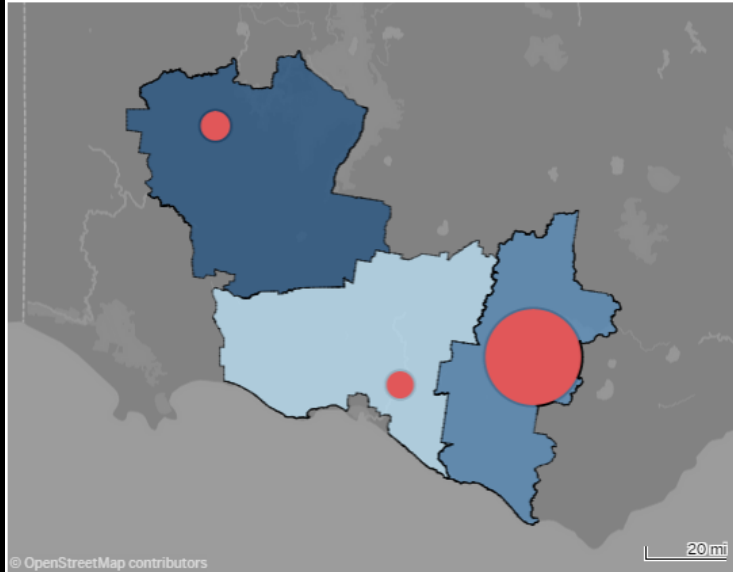


## Secondary Incident Impact - Local Area Information

| Incident                            | Impact Assessment | Incident Type | Impacted Region   | Impacted LGA | Reporting Agency | Incident Date            |
|-------------------------------------|-------------------|---------------|-------------------|--------------|------------------|--------------------------|
| 2018-03-18 - Barwon SouthWest Fires | (All)             | (All)         | Barwon South West | (All)        | (All)            | 02/12/2017<br>18/03/2018 |

## Impacted Local Government Areas

| Secondary Incident Impact (Select a metric (bubble)) | Resilience Indicator (Select an indicator (colour fill)) |
|--|--|
| Total Residences > Total Residences (Destroyed)      | % People with low income                                 |



## Resilience Indicators

|  |  |               |  |                                     |                    |
|--|--|---------------|--|-------------------------------------|--------------------|
|  | % People arrived in Australia in last ten years  | 1.9% (11.1%)  |  | Total Population                    | 48,489 (5,926,626) |
|  | % People speaking English not well or not at all | 0.2% (4.5%)   |  | % People aged over 75               | 9.5% (7.0%)        |
|  | % People needing assistance with a core activity | 5.3% (5.2%)   |  | % People aged under 15              | 1.9% (18.2%)       |
|  | % One parent families                            | 12.9% (15.3%) |  | Sex ratio                           | 99 (96)            |
|  | % Families with children                         | 46.4% (52.2%) |  | % People with low income            | 60.8% (57.4%)      |
|  | % Families without children                      | 57.5% (50.5%) |  | % People with high income           | 3.3% (6.2%)        |
|  | % Lone person households                         | 22.2% (20.7%) |  | % Dwellings without a motor vehicle | 3.2% (6.6%)        |
|  | % Group households                               | 1.7% (3.8%)   |  | Population growth or decline        | -0.4% (10.7%)      |

## Secondary Incident Impact (Collected at State Level)

|   |  |  |  |   |   |   |
|---|--|--|--|---|---|---|
| 0   | 0  | 9  | \$93,000   | 0   | 31                                      | \$3,200,000                             |
| Water and wastewater > Water Loss or Damage to Infrastructure | Water and wastewater > Sewage Loss or Damage to Infrastructure | Community facilities > Community facilities (Crown Land reserve, CoM operated) damaged | Community facilities > Community facilities (Crown Land reserve, CoM operated) damaged | Water > Ground water monitoring bores damaged | Water > CMA Waterways - erosion impacts | Water > CMA Waterways - erosion impacts |
| 0   | 20   |  |  |   |   |   |
| Water > Groundwater monitoring units (telemetry) damaged      | Wildlife > Wildlife Assessed                                   |  |  |   |   |   |

## Secondary Incident Impact (Collected at LGA Level)

|   |   |   |   |  |   |   |
|---|---|---|---|--|---|---|
| 2,000   | \$0   | 1   | 8   | 45 km  | 2   | 4 km  |
| Telecommunications > Customers Impacted                                     | Telecommunications > Loss or Damage to Infrastructure                         | Council EPAs > Bridges damaged  | Council EPAs > Roads damaged  | Council EPAs > Roads damaged (distance)                | Council EPAs > Road Reserves                  | Council EPAs > Road Reserves (distance)         |
| 0   | 0 km  | 5   | 3   | \$0  | \$0   | \$0   |
| Councils > Trails/walkways (damaged)  | Councils > Trails/walkways (distance)   | Early childhood development facilities > Facilities (Disrupted)               | Schools > Facilities (Services relocated)                                 | LGA NDFA > Advance Amount (Paid)                       | LGA NDFA > Advance Amount (Requested)         | LGA NDFA > Claim (Amount Paid)                  |
| \$0   | \$0   | \$1,000,000   | 1   | 4  | 0   | \$0   |
| LGA NDFA > Claim (Amount Claimed)   | LGA NDFA > Claim (Denied)   | LGA NDFA > Estimate of Damage   | Primary Residences > Primary Residences (Damaged)                         | Primary Residences > Primary Residences (Destroyed)    | Railway bridges > Bridges (Affected)          | Railway bridges > Bridges (Lost Value)          |
| 3 km  | \$812,665   | 0   | \$0   | \$557,087  | 1   | 3   |
| Railway track > Track (Distance Affected)                                   | Railway track > Track (Lost Value)  | State-controlled (arterial) bridges > Bridges (Damaged)                       | State-controlled (arterial) bridges > Road Bridges (Lost Value)           | State-controlled (arterial) roads > Roads (Lost Value) | Total Residences > Total Residences (Damaged) | Total Residences > Total Residences (Destroyed) |
| \$0   | \$0   | 0   | \$0   | 268  | 185   | 13,493 ha                                       |
| Business buildings (excl. farming) > Damaged loss value (excl. agriculture) | Business buildings (excl. farming) > Destroyed loss value (excl. agriculture) | Business buildings (excl. farming) > Destroyed loss count (excl. agriculture) | Business buildings (excl. farming) > Destroyed loss value (excl. farming) | Agriculture > Properties within affected area          | Agriculture > Properties directly impacted    | Agriculture > Area affected (total)             |

|   |   |  |   |   |   |  |
|---|---|--|---|---|---|--|
| 30,364 ha   | 2,777   | 54,627   | \$1,556,654   | 91  | \$9,100,000   | 2,876 km   |
| Agriculture > Total farm area surveyed                                  | Livestock > Number lost by Type                           | Livestock > Animals (agricultural) (number prior)                    | Livestock > Loss Value by Type                          | Farm Infrastructure > Agricultural Infrastructure (number lost) | Farm Infrastructure > Agriculture Infrastructure (loss value) | Other > Fencing (loss summary)                           |
| \$23,008,000  | 10,793 t  | \$2,064,850  | 1 t   | \$210   | 598 ha  | 27 ha  |
| Other > Fencing (loss value)  | Other > Hay/Silage (loss summary)                         | Other > Hay/Silage (loss value)                                      | Other > Stored grain (loss summary)                     | Other > Stored grain (loss value)                               | Plantation/Specialty > Plantation timber (loss summary)       | Plantation/Specialty > Wood (Left)                       |
| \$2,990,000   | 57 km2  | \$1,345,140  | \$0   | \$0   | \$0   | 6,569  |
| Plantation/Specialty > Wood (loss value)                                | Pasture > Pasture (loss summary)                          | Pasture > Pasture (loss value)                                       | Business > Damage non-building                          | Business > Loss (excl. farming) non-building (items)            | Business > Loss value (non-building) - Financial loss         | Business > Businesses in affected area                   |
| 0   | \$0   | 0  | 0   | \$0   | 0   | \$0  |
| Business > Businesses in affected area (closed)                         | Business > Businesses in affected area (financial losses) | Business > Industry in affected area                                 | Community facilities > Facilities Damaged               | Community facilities > Facilities Damaged (Loss Value)          | Community facilities > Facilities Destroyed                   | Community facilities > Facilities Destroyed (Loss value) |
| 3   | \$0   | 3  | 0   | 0   | 285   | \$322,110  |
| Cultural Heritage Sites > Cultural heritage sites affected - non marine | CMA NDFA > Advance amount paid                            | Interim accommodation > Accommodation provided (temporary tenancies) | Recovery centres > Recovery centres operated by Council | Relief centres > Relief centres operated by Council             | PHAP payments > Relief Payments                               | PHAP payments > Relief Payment (value)                   |
| 8   | \$30,000  |  |   |   |   |  |
| PHAP payments > Re-Establishment Payments                               | PHAP payments > Re-Establishment Payment (value)          |  |   |   |   |  |



# Observations and Insights



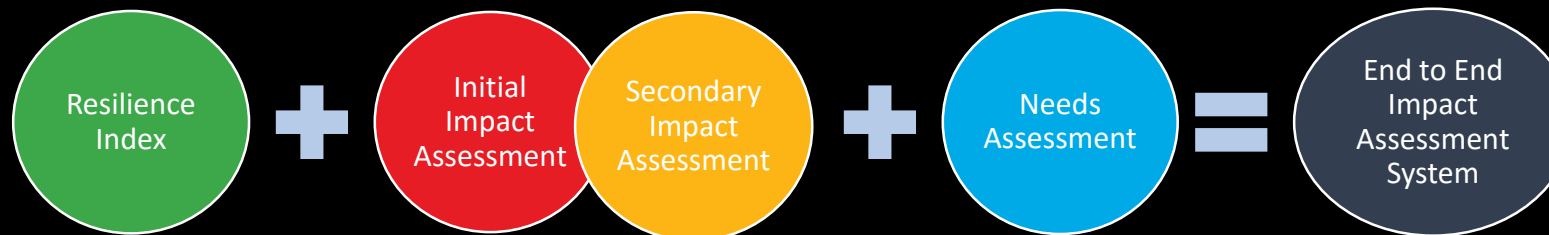
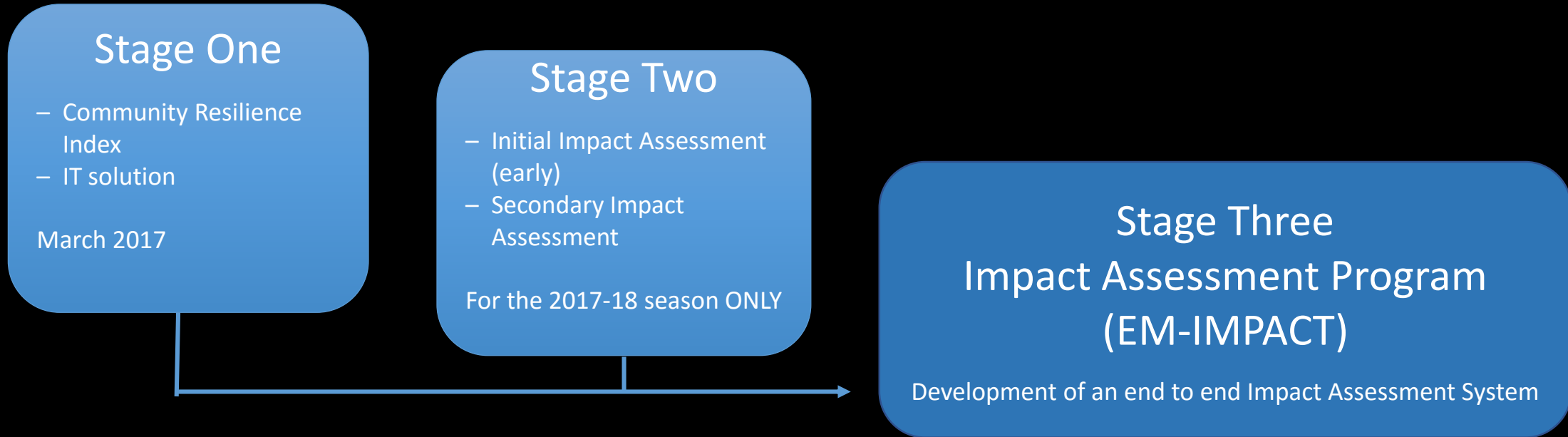
A ROLAND EMMERICH FILM

# THE DAY AFTER TOMORROW





# Understanding the Impacts of Emergencies on People & Communities





Impact Assessment:

Is Proportional

Measures the changing resilience of communities over time

Is Publically available



Shared Vision  
“Safer and more resilient communities”



Thank you

[emv.vic.gov.au](http://emv.vic.gov.au)



# STATE UPDATE

SESSION 4:

## **LGV & EMV Update – Capability & Capacity Project**

Presenters: Dan Harper  
(LGV) & Steve Muncaster  
(EMV)



# Councils and Emergencies

State MEMEG 2018

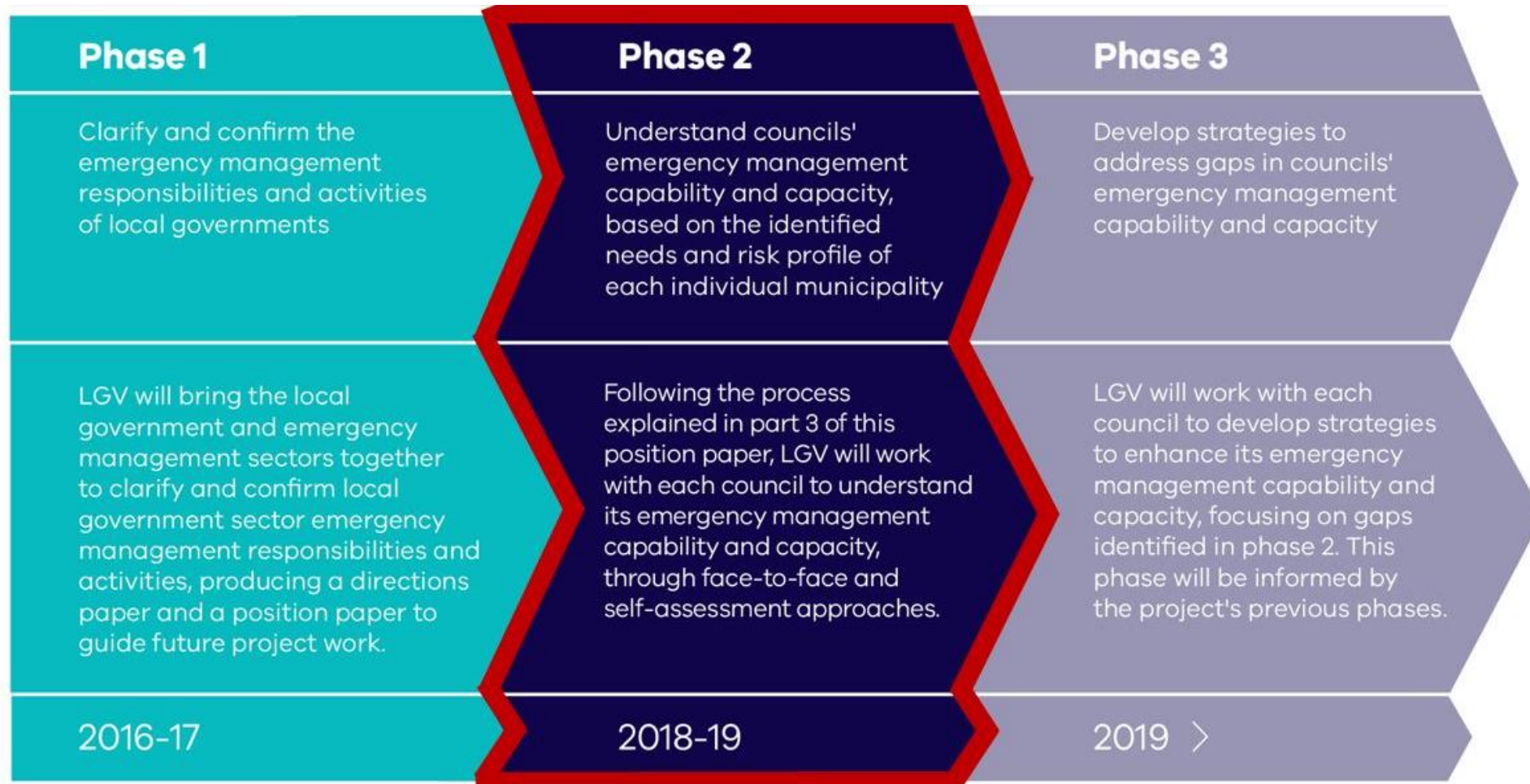


Dan Harper  
Senior Manager Sector  
Capability & Resilience  
23 August 2018



Environment,  
Land, Water  
and Planning





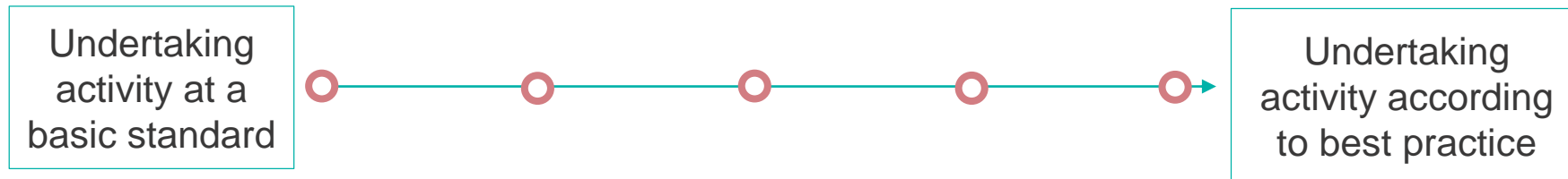


- Considers core capability elements of People, Resources, Governance, Systems and Processes
- Utilises the responsibilities and activities as outlined in the *Position Paper* as the baseline for the assessment
- Focusses on organisational capability and capacity and not individuals
- Acknowledges the size and complexity of individual councils
- Acknowledges the risk profile, local arrangements and the identified needs of each individual municipality
- Utilises a combination of self-assessment and face-to-face assessment approaches
- Aligns and provides outputs to inform broader work in the emergency management sector



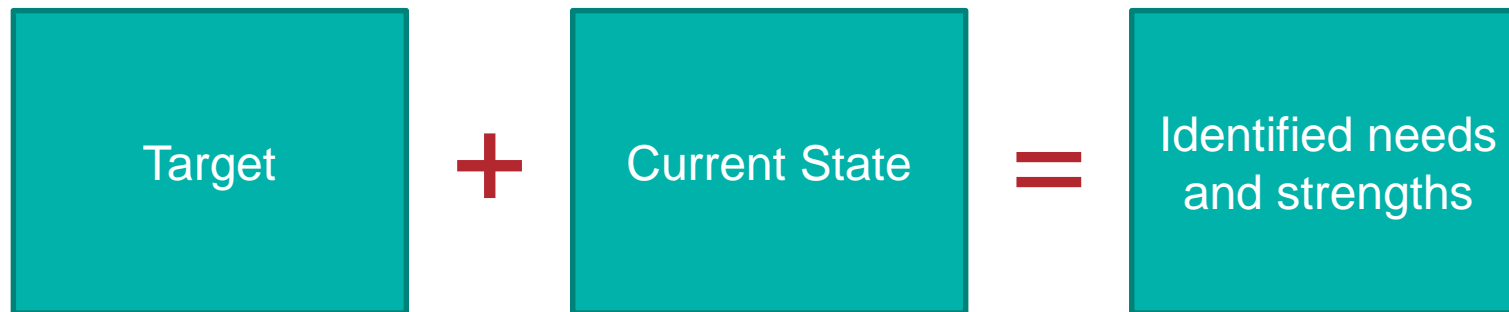
## Maturity Model

Identifies the point along a continuum where council is currently operating and where a council considers it should be operating for emergency management responsibilities or activities.



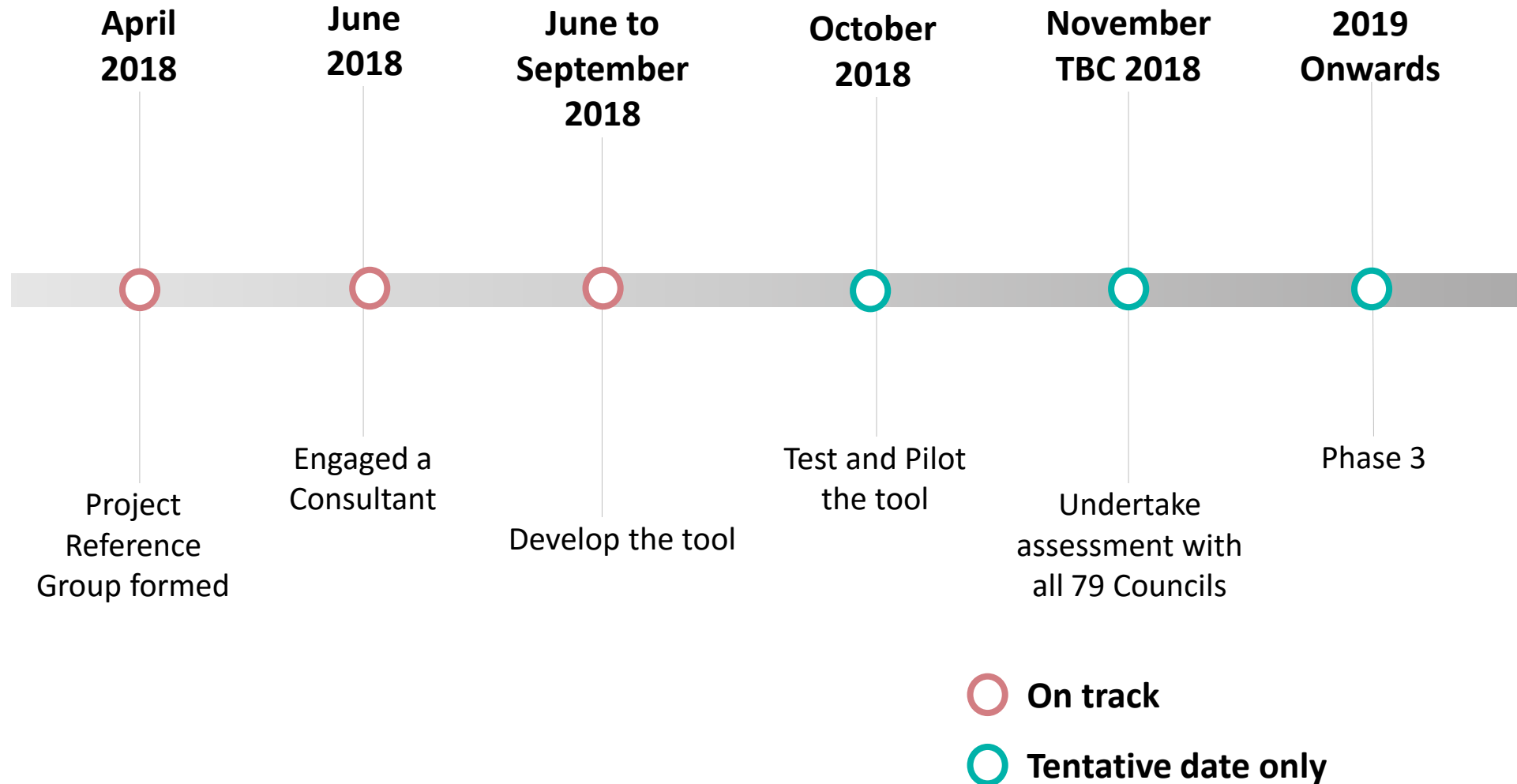


How will councils identify their capacity and capability?





# Key Dates – Looking Forward



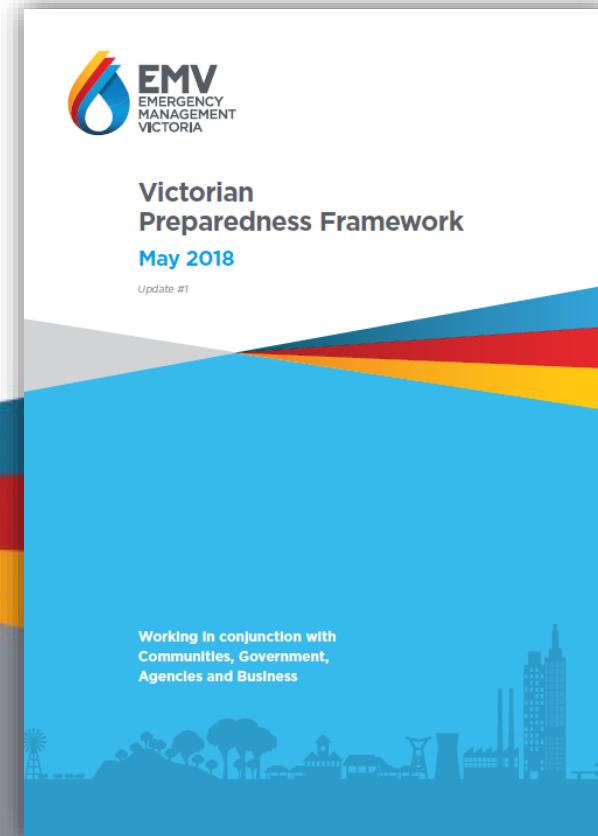


# Victorian Preparedness Framework

State MEMEG Forum, 23 August 2018

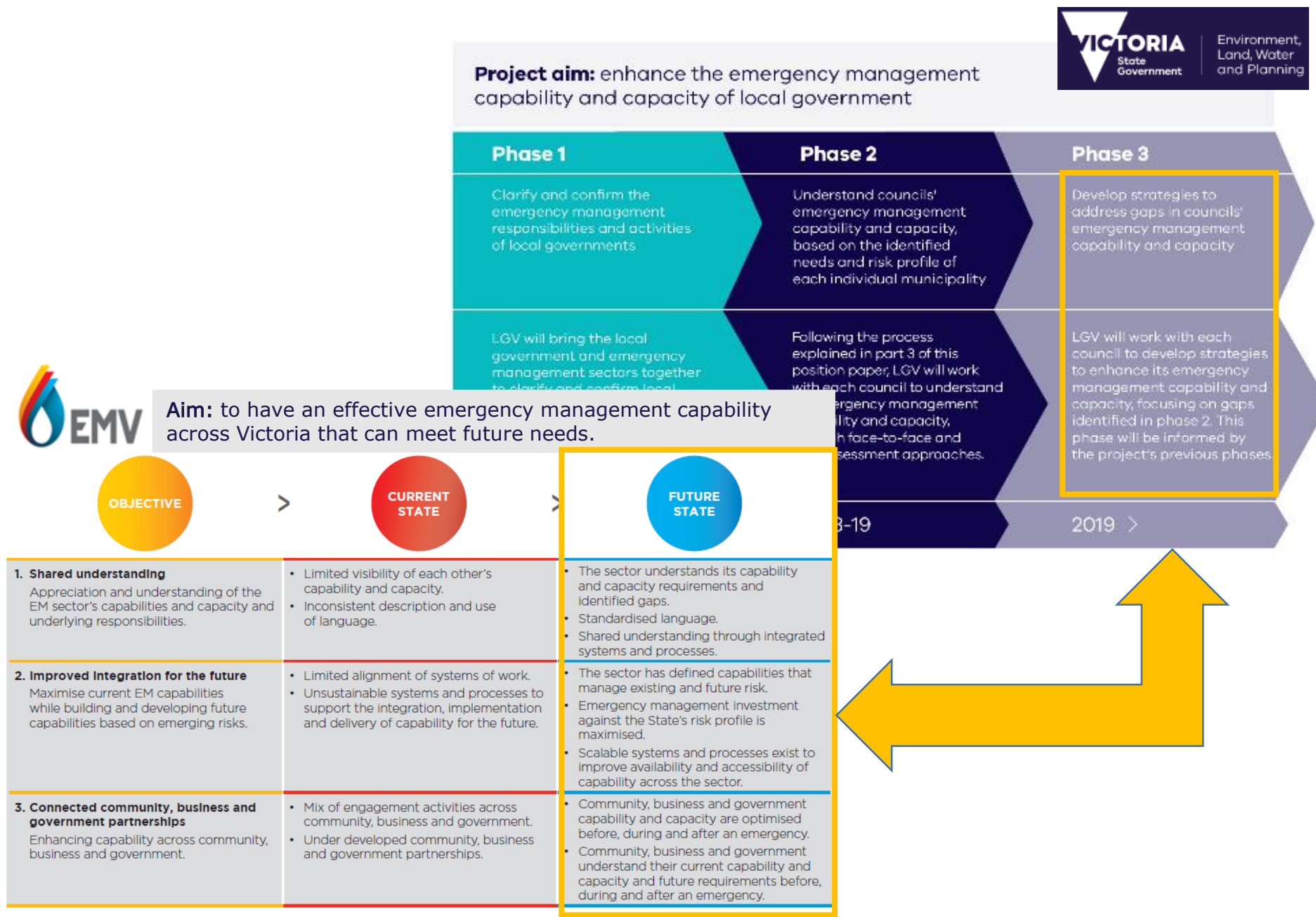
Steve Muncaster  
Manager, Capability and  
Response Performance  
Emergency Management  
Victoria

Working in conjunction  
with Communities,  
Government, Agencies  
and Business





# What's in this for Local Government ?





# Victorian Preparedness Framework

## Core capabilities

| BEFORE, DURING AND AFTER              |  |
|---------------------------------------|--|
| Planning                              |  |
| Community Information and Warnings    |  |
| Operational Management                |  |
| Intelligence and Information Sharing  |  |
| Public Order and Community Safety     |  |
| Building Community Resilience         |  |
| BEFORE AND DURING                     |  |
| Fire Management and Suppression       |  |
| DURING AND AFTER                      |  |
| Fatality Management                   |  |
| Critical Transport                    |  |
| Logistics and Supply Chain Management |  |
| Impact Assessment                     |  |
| DURING                                | AFTER  |
| Search and Rescue                     | Economic Recovery                            |
| Health Protection                     | Natural and Cultural Heritage Rehabilitation |
| Health Emergency Response             | Built Recovery                               |
| Relief Assistance                     | Social Recovery                              |
| Environmental Response                | Assurance and Learning                       |

## Capability elements

|            |
|------------|
| People     |
| Resources  |
| Governance |
| Systems    |
| Processes  |

Working in conjunction with Communities,  
Government, Agencies and Business.





# Capability assessment

## Estimate capability requirements based on targets - Capability Assessment





# What's next ?

---

## 2018-19 Assessment 1

1. Impact Assessment (pilot) **EMV**
2. Operational Management **SES**
3. Fatality Management **VIFM**
4. Relief Assistance **DHHS**
5. Environmental Response **DEDJTR (Ag Vic)**
6. Intelligence and Information Sharing **EMV**
7. Logistics and Supply Chain Management **DELWP**
8. Health Emergency Response **Ambulance Vic**

## 2019-20 Assessment 2

9. Public Order and Community Safety **VicPol**
10. Fire Management and Suppression **CFA**
11. Community Information and Warnings **EMV**
12. Critical Transport **DEDJTR**
13. Social Recovery **DHHS**
14. Building Community Resilience **EMV**

## 2020-21 Assessment 3

15. Search and Rescue **MFB**
16. Economic Recovery **DEDJTR**
17. Assurance and Learning **EMV**
18. Planning **EMV**
19. Natural and Cultural Heritage Rehabilitation **DELWP**
20. Health Protection **DHHS**
21. Built Recovery **LGV**



# Shared Vision “Safer and more resilient communities”



## Questions?

Steve Muncaster e: [steve.muncaster@emv.vic.gov.au](mailto:steve.muncaster@emv.vic.gov.au)

Alyssa Harry e: [alyssa.harry@emv.vic.gov.au](mailto:alyssa.harry@emv.vic.gov.au)



# FORUM CLOSE

Thanks for your participation.  
Have a safe trip home.

Several thin, parallel white lines of varying lengths and orientations are positioned in the bottom right corner of the slide, creating a modern, abstract graphic element.