



bushfire&natural
HAZARDSCRC

CAPABILITY NEEDS FOR EMERGENCY & DISASTER MANAGEMENT ORGANISATIONS (D8)

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An Australian Government Initiative



Queensland University
of Technology

PROJECT TEAM

QUT

1. Dr Paul Barnes **Project Leader**
2. Professor Ashantha Goonetilleke
3. Post-Doctoral Fellow (TBC)
4. Research Assistant (TBC)
5. 2 X PhD Students (TBC)

END-USERS:

(LEU) **NSW SES** - Keith FitzGerald

VIC CFA - Alen Slijepcevic

Qld Reconstruction Authority - Brendan Moon

Volunteering Qld - Julie Molloy

Qld Fire & Emergency Services - John Cawcutt & Janet Richardson

SA MFS - Roy Thompson

Melbourne Met Fire Brigade - Darren Davies

Attorney Generals - Leigh Crutchley

Inspectorate General - EmergMgt (QLD) - Rowena Richardson

Tas SES - Andrea Heath

NSW RFS - Phil Robeson

SA Dept Communities & Social- Ross Pagram

Observers:

Mike Wouters (DWNR Fire Mgt); Monique Blason (SA Water); Karin Geraghty (DEWNR)

PROBLEM STATEMENT

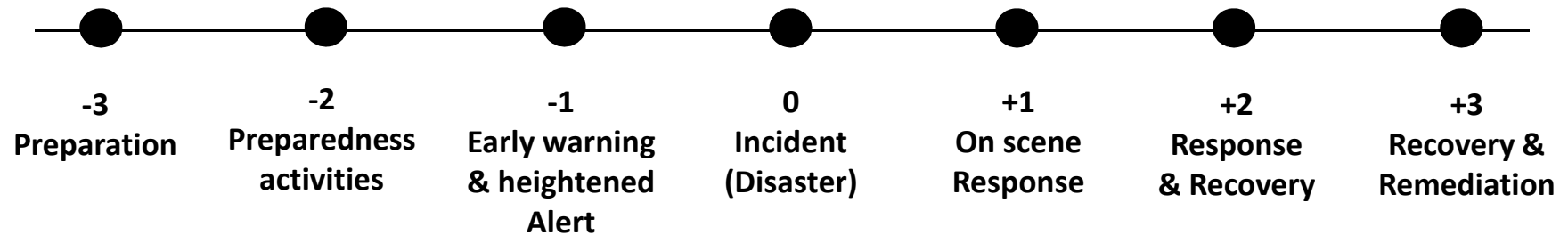
What capabilities are needed by first and second response agencies and allied organisations, individually and in inter-operable contexts, to effectively meet complex emergency and disaster situations at local, State and State levels - into the future?

OBJECTIVES

1. Co-discover varieties of capability needed by first and second responders, and allied organisations, individually and from an inter-operational context to match current and future (all-hazards) disaster contexts.
2. Detail suitable means for agencies to determine their own needs and planning requirements for achieving agile PPRR & remediation capabilities into the future.

Capability Gap Analysis

Incident/disasters (contexts) assessed against 'full-spectrum' Scenarios (-3 to +3)
Which when compared to pre-defined capability goals for each generic capability allowing identification of capability deficits and the detailing options for filling the gap.



Ideal Capability

Actual Capability

Options for addressing gaps

EXPECTED OUTCOMES

1. The transfer of skills in applying futures & scenario-based planning that informs decisions supporting preparedness & prevention efforts and response & recovery from the consequences of disasters and related incidents that impact human services and essential infrastructure systems.
2. Processes to better identify future capability and capacity needed by first and second responders, and allied organisations, to address current and future disaster contexts: including disruptions caused by climate variability and geo-political unrest.
3. Means to describe escalating scales of capability, capacity and interoperability (as Maturity Models) to assist planning for and achievement of agile emergency & disaster management at Local, State and Federal levels.