



bushfire&natural
HAZARDSCRC

NATURAL HAZARD EXPOSURE INFORMATION FRAMEWORK- RESEARCH UTILISATION PROJECT

AUSTRALIAN EXPOSURE INFORMATION PLATFORM

Russell Hay

Geoscience Australia, Canberra



Australian Government
Department of Industry and Science

Business
Cooperative Research
Centres Programme



Australian Government
Geoscience Australia

NATURAL HAZARD EXPOSURE INFORMATION FRAMEWORK PROJECT

Objective:

To develop a nationally consistent exposure information framework that enables more robust, reliable and operational capabilities to address disaster preparedness, planning, response and recovery for all levels of government (local, state and federal), industry and research.

Project completed in June 2017

Australian Natural Hazards Exposure Framework

Level 1

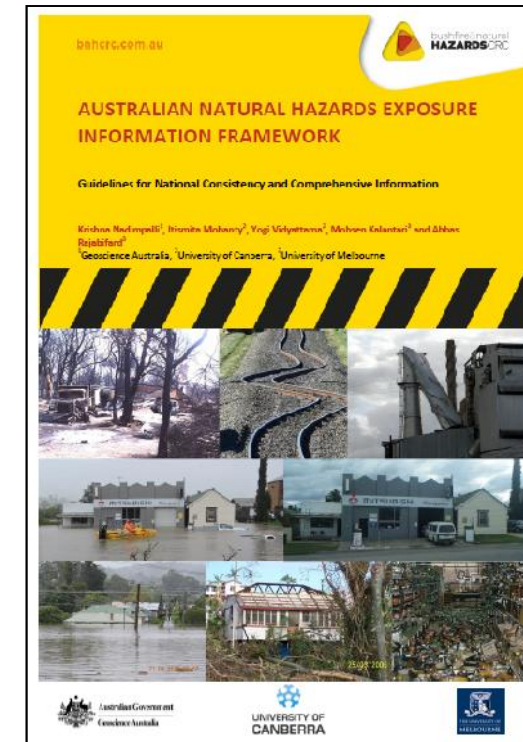
- 1) Federal & State Government Decision Making
- 2) Policy & Planning Purpose
- 3) Able to Aggregate to SA2 or larger geographic areas.

Level 2

- 1) State & Local Government & Insurance Sector Decision Making
- 2) Planning & Implementation Purpose
- 3) Able to Aggregate to Meshblocks or a building level.

Level 3

- 1) Local Government, Researchers & Insurance Sector
- 2) Response & Research Purpose
- 3) Asset level with details
- 4) Privacy & Commercial-in-Confidence.



BUILDINGS

INFRASTRUCTURE

POPULATION

BUSINESS

RESEARCH UTILISATION PROJECT

Australian Exposure Information Platform

Objective:

To align GA's National Exposure Information System (NEXIS) and spatial data capabilities with a range of key elements from the Natural Hazard Exposure Information Framework to develop a web-based tool to enable discovery and access to a broader range of exposure information on a national scale.

END USERS

Attorney-General's Department
Crisis Coordination Centre & Recovery Branch

WA Dept of Fire & Emergency Services
Intelligence & Hazard planning

Emergency Management Spatial information
Network Australia (EMSINA) jurisdictional members
(includes SES, RFS, CFA, CFS, NT PFES, DFES, QFES,
DPIPWE)

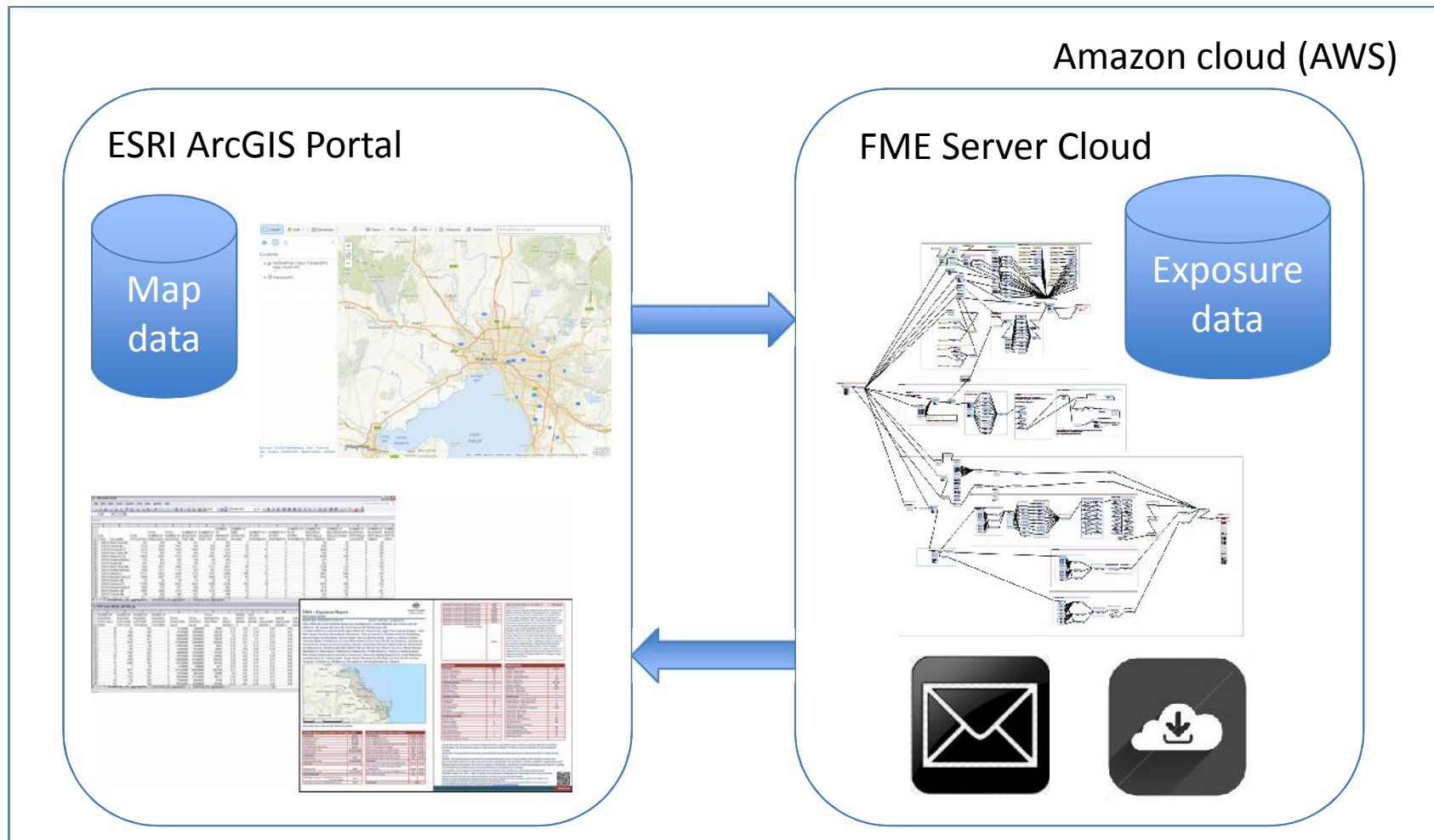
PROJECT OUTLINE

No.	Task	Status	Date
1	Project proposal		
2	Detailed project plan		
3	High level functional requirements		
4	High level solution architecture		
5	Technical specifications		
6	Pilot development and testing		
7	Platform development iteration		
8	Production deployment		

PROJECT STATUS

No.	Task	Status	Date
1	<i>Project proposal</i>	complete	31 Aug 17
2	<i>Detailed project plan</i>	draft	3 Nov 17
3	<i>High level functional requirements</i>	draft	3 Nov 17
4	High level solution architecture	draft	17 Nov 17
5	<i>Technical specifications</i>	In progress	30 Nov 17
6	<i>Pilot</i> development and <i>testing</i>	--	02 Mar 18
7	Platform development iteration	--	31 May 18
8	<i>Production deployment</i>	--	29 Jun 18

HIGH LEVEL SOLUTION ARCHITECTURE



END-USER STATEMENT

Brian Foo, Director CCC Operations,
Australian Government Crisis Coordination Centre
Attorney-General's Department

[AGD end-user statement](#)

THANKYOU

Phone: +61 2 6249 9158

Web: www.ga.gov.au

Email: Russell.Hay@ga.gov.au

Address: Cnr Jerrabomberra Avenue and Hindmarsh Drive, Symonston ACT 2609

Postal Address: GPO Box 378, Canberra ACT 2601