



CDEM Resilience Fund project application form

This form provides the minimum of information for the application; a detailed project plan should be developed to inform this application and may be attached.

Project title	Project AF8
Date of application	30 September 2017
Details on application	
Applicant	Emergency Management Southland
CDEM Group/s affected	Nelson/Tasman, Marlborough, Canterbury, West Coast, Otago, Southland
Other local authorities, Groups or organisations supporting this proposal	MCDEM, University of Canterbury, University of Otago, Victoria University and GNS science

Project description

Executive summary *[200 words maximum description.]*

This application is for the financial year 2018/19 and follows the successful applications for funding in the previous 2 years to develop Project AF8 and the South Island Alpine Fault Emergency Response (SAFER) plan.

The Alpine Fault extends 450km along the spine of the South Island and forms the boundary between the Australian and Pacific Plates. The fault has a history of generating large (magnitude 8) earthquakes at regular (300 year) intervals. The last Alpine Fault rupture was in 1717 and the probability of the next rupture happening in the next 50 years is between 30 and 50%.

To date the project has successfully brought together science and emergency management planning to identify consequences of a magnitude 8 Alpine Fault earthquake for all CDEM groups in the South Island and to identify coordinated initial response actions for CDEM groups. It has also identified many gaps in our preparation which will require further coordinated work.

Until Project AF8 was initiated in 2016, each CDEM Group worked largely in isolation preparing plans and commissioning scientific work on a relatively ad-hoc basis. The scale of an Alpine Fault event will impact all Groups and will necessitate a nationally coordinated response.

Having made such tremendous progress over the last 18 months, the aims of this application are to;

- build on the cross-regional cooperation and planning approach developed by Project AF8
- maintain the excellent working relationships between science and CDEM
- continue to work towards a Tier 4 exercise for an Alpine Fault rupture
- continue to work with scientists to generate relevant, applied research that addresses current gaps in knowledge
- implement the public education and community engagement tools developed during the first 2 years of Project AF8
- build resilience in local communities by providing clear understanding of a likely Alpine Fault rupture, supporting the general preparedness key messages and encouraging participation in local CDEM Community Response Groups
- transition into a long-term programme, by securing co-funding and developing a terms of reference for 'Programme AF8'

Challenge/opportunity [200 words maximum description.]

The opportunity to coordinate both the CDEM planning and the scientific work around the Alpine Fault under one steering group has proven to be of tremendous benefit over the first two years of Project AF8. By June 2018, Project AF8 will have achieved:

- A substantial improvement in awareness and understanding of the impact and consequences of Alpine Fault earthquakes
- A strong relationship and commitment to future collaboration between CDEM and the science community
- An understanding of the current readiness and response situation for partner agencies and at-risk communities
- The foundations for a robust initial earthquake response plan (SAFER plan)
- Improved community engagement and public education tools
- A significant gap analysis for inclusion in Group and National future work programmes
- The commencement of more detailed planning work at Group level and across regions

The challenge for year 3 onwards is to maintain the momentum, continue to coordinate our work across the South Island, influence national planning and to maintain the emphasis on preparing for an Alpine Fault rupture.

An important part of the proposed workplan is to develop a transitional pathway towards a long-term Alpine Fault programme, building on the success of Project AF8. This will involve developing the necessary co-funding streams and organisational structure, including a Steering Group and Terms of Reference for 'Programme AF8' going forward.

Projects such as DEVORA, It's our Fault and East Coast LAB have shown the benefits of a long-term commitment to address important, nationally significant hazards. We must transition from Project AF8 to a long-term Programme AF8 that builds on our foundations and keeps the Alpine Fault at the top of our priorities.

Our intention is to continue to build on these relationships into the future, which will significantly enhance the resilience of New Zealand to a future Alpine Fault event.

Alignment with identified goals and objectives identified in the CDEM sector [200 words maximum description.]

The National CDEM Strategy sets out the overall direction for CDEM in New Zealand. It has a vision: *Resilient New Zealand: communities understanding and managing their hazards.*

The National CDEM Plan aims to integrate and align agencies' CDEM planning and related operational activities at the national level.

Other CDEM regional plans have similar goals and objectives. For example, Southland CDEM Group Plan is aligned to other group plans across the country, and contains sections of particular relevance, such as;

Reduction

1.1 Improve understanding of Southland's hazardscape and associated risks and consequences

1.2 Undertake long term strategic reduction of the risks from hazards through collaborative planning with stakeholders

Readiness

2.4 Communities are made aware of the risks and understand how to mitigate and respond

Response

3.6 Enhancing the ability of the community to prepare (for) and manage emergencies

This project closely aligns with all of these plans and objectives, providing a comprehensive and coordinated platform for increasing community resilience across the 4Rs.

Recovery

4.2 Promote coordinated and standardised recovery activities amongst the partner agencies

Dissemination of benefits to sector *[200 words maximum description.]*

Project AF8 has raised awareness, improved cooperation across regional boundaries and provided the basis for informed conversations around preparing for an Alpine Fault rupture with the creation of the SAFER plan. There is a danger, that unless we continue to resource this coordination, the progress we have made will be lost. A Project AF8 Coordinator will be recruited to play the critical role of co-ordinating across CDEM, partner agencies and the science community, to channel public outreach and be the main point of contact for Alpine Fault enquiries. This individual will be well networked, have excellent communication and social skills, and have a passion for community outreach and engagement for the Alpine Fault.

As a consequence of Project AF8, the six South Island CDEM Groups are starting to think collectively, and we are changing our systems to recognise that in an emergency, events do not recognise artificial borders. Whether that is providing for displaced tourists, pre-planning for South Island wide reconnaissance flights or approving key staff to work out of their region, the benefits of Project AF8 are huge.

We have also seen a tremendous commitment from the science community to accommodate emergency management into their research plans and to tailor their approach to meet the needs of CDEM groups. The value in continuing to offer a central programme that can coordinate and prioritise our engagement with this key group of stakeholders cannot be over emphasised.

The SAFER plan needs to be embedded in all six Groups' response planning, tested during an exercise and the gaps and opportunities worked on for the future. The opportunity to secure co-funding from other sources in addition to the Resilience Fund would also provide long-term stability and give a capability that cannot be funded from the Groups alone.

Project design

Project manager	Angus McKay, Regional Manager, Emergency Management Southland
Other project members	<ol style="list-style-type: none">1. Nelson Tasman CDEM Group2. Marlborough CDEM Group3. Canterbury CDEM Group4. West Coast CDEM Group5. Otago CDEM Group6. Southland CDEM Group (Chair)7. MCDEM8. University of Otago (team leader)9. University of Canterbury10. Victoria University11. GNS Science
External providers/contractors	Universities, GNS Science, National Lifeline Utilities, EQC

Deliverables		
Milestones	Date for completion	Cost
1. Re-define Terms of Reference for Project AF8, re-establish steering group and define links with science community	July 2018	Covered by CDEM Groups
2. Appoint a new Project AF8 coordinator	August 2018	\$120,000 wages and associated support costs for year
3. Develop existing social media brand for Project AF8 and stocktake of public education and community engagement material	September 2018	As above
4. Develop the AF8 website into a central repository for Alpine Fault related science and emergency management content	December 2018	As above
5. Coordinate planning and preparation for Tier 4 Alpine Fault exercise	Ongoing until June 2019	As above
6. Coordinating Alpine Fault scenario information and scientific input to the Recovery Planning for CDEM Groups	Ongoing until June 2019	As above
7. Oversee community activities in six CDEM Group areas; including hosting meetings, public talks and special events and involving scientific community into local events / planning	Ongoing until June 2019	\$50,000 to cover at least two community meetings in each Group, travel costs for specialists, steering groups and coordinator travel and expenses around South Island.
8. Build on Community Response Planning in each Group, identifying local impacts of an Alpine Fault rupture, reinforcing the preparedness key messages and encourage participation in CDEM activities	June 2019	
9. Investigate and secure funding for longer term 'Programme AF8' – year 4 onwards	June 2019	
Identified risks		
Risks	Suggested management	
Commitment to timeframes and completion of milestones	The Steering Group will oversee all work and receive monthly reports to monitor expenditure and progress.	
The Alpine Fault ruptures before work is completed	Any preparation will be of benefit and starting the conversations with interested parties is key to networking and providing a coordinated response.	

Programme Coordinator becomes unavailable / unsuitable Late approval of project prevents completion of milestones	Work will be reviewed monthly by steering group and any deficiencies highlighted and addressed. Working closely with MCDEM to ensure quick start to project and early identification of possible underspend for carry over
Funding request and use	
CDEM resilience fund contribution	\$170,000
Local authority/organisation contribution	Administration and management by EMS. Time and commitment from other CDEM Groups Ongoing detailed planning work by CDEM Groups to meet gaps identified in SAFER plan
Other sources of funding or support	To be investigated for longer term support as a result of this application. Project AF8 has received a significant amount of co-funded and aligned support from a number of research programmes, including Resilience to Nature's Challenges and QuakeCoRE. This financial support is likely to continue, providing Project AF8 continues to exist after June 2018.
Budget <i>[Please supply spreadsheet]</i>	
Applies if application exceeds \$100,000 over the life of the project	Do you wish to attend a hearing in support of this application? Yes No <input checked="" type="checkbox"/> <input type="checkbox"/>
Application confirmation	
Approval of Chief Executive	
CDEM Group comment	
Project AF8 has been a great success and we need to build on this and develop a longer term programme of work. Fully supported.	