

Resilience Fund Application Form

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

Project title	AF8 Programme
Date of application	19 / 05 / 2023
Details on application	
Applicant <i>[CDEM Group must endorse/sponsor all applications]</i>	Southland, CDEM Group
Sponsoring CDEM Group	Marlborough CDEM Group
Other local authorities, Groups or organisations supporting this proposal	All South Island CDEM Groups – Southland, Otago, West Coast, Marlborough, Nelson-Tasman, AF8 Programme, Resilience to Nature's Challenges, QuakeCoRE.
Project description	
Executive summary <i>[200 words maximum]</i>	
The AF8 Programme is an award-winning programme of scientific modelling, coordinated planning and community engagement designed to build collective resilience to the next Alpine Fault earthquake, across the South Island. Over the last seven years, the AF8 Programme has proven itself a critical mechanism in progressing collective action towards improving our readiness and response planning for this event. The programme provides a dedicated platform enabling informed decision-making to be translated into action, underpinned by world-leading science and a wealth of emergency management experience. AF8 continues to be an exemplar for how we work together to tackle the complexity and increasing frequency of emergency events in Aotearoa New Zealand. However, the programme has disproportional funding model relative to the national impact of an Alpine Fault earthquake, and therefore has currently an unsustainable funding model. Without central government support, the extent to which the advances and learning gained can add value to the wider New Zealand Emergency Management system and the overall resilience of New Zealand will be severely limited or lost for good. This application is to secure the funding needed to continue and enhance the AF8 Programme. This funding application is designed to secure funding for the next three years. This application is for three years work (2023-26). It will be used to fund staffing and contractors to deliver on the deliverables.	
Challenge/opportunity <i>[200 words maximum]</i>	

While it is unlikely that support for, and the momentum driven by, the AF8 Programme will reduce anytime soon; it is extremely likely that without a sustainable funding solution that includes central government support, the programme's advances and learnings are at severe risk of being diminished or, at worst, lost for good.

The advances made by the AF8 Programme thus far, and the learnings gained in the process, now offer an exemplar for how we can work together at every level, to improve our ability to prepare, respond and ultimately recover from, the increasing frequency of catastrophic-level events that Aotearoa New Zealand faces, now and in our future.

For example:

- Strengthening public, government and business awareness and increasing understanding of the Alpine Fault hazard risks and consequences to enable informed decision-making.
- Coordinating intelligence for Alpine Fault earthquake response planning and preparedness to inform planning and preparedness activities at every level – local, regional and national.
- Supporting networks for ongoing collaboration and advocating for a coordinated approach to readiness and response planning for an Alpine Fault earthquake.

Alignment with priorities and objectives of the National Disaster Resilience Strategy (NDRS) [200 words maximum]

1. Managing risks	3. Build risk awareness, risk literacy, and risk management capability, including the ability to assess and mitigate risk	AF8 Roadshow in 2023 and 2025, runs a series of public and educational workshops that informs audiences of Alpine Fault risk while also providing information to mitigate risks.
2. Effective response to and recovery from emergencies	8. Build the relationship between emergency management organisations and iwi/groups representing Māori, to ensure greater recognition, understanding, and integration of iwi/Māori perspectives and tikanga in emergency management.	Through the AF8 Roadshow and its partner networks, the AF8 Programme continues to support iwi-led preparedness initiatives across Te Waipounamu.
3. Enabling, empowering, and supporting community resilience	13. Enable and empower individuals and households' organisations and businesses to build their resilience paying particular attention to those people and groups who may be disproportionately affected by disasters.	The AF8 Roadshow covers a wide variety of the population and visits isolated communities, vulnerable rural and urban communities, iwi / Marae and low decile primary and secondary schools. The development of an NCEA Level 1 Geography Curriculum Resource designed to introduce students to the Alpine Fault hazard

		risk and other active faults in New Zealand. This resource is designed to meet the requirements of their internal assessment using an ArcGIS Online platform, to improve geospatial literacy and analysis skills at a secondary level. Skill development can be transferred through into tertiary study, building capability for our future leaders (in development 2022-24).
Alignment with Principles and Allocation Preferences <i>[200 words maximum]</i>		
Alignment with National Disaster Resilience Strategy and NEMA key focus areas	The AF8 programme aligns with many of the objectives in the NDRS we have highlighted Objectives 3, 8 and 13 in the boxes above.	
Achieving equity of outcomes for Māori	The AF8 Programme continues to support Iwi-led preparedness initiatives across Te Waipounamu.	
Outcome focused	Communicating and disseminating AF8 / Alpine Fault hazard risk and preparedness information for, Emergency Services, Partner Agencies, Local Authorities and into their organisations and communities.	
Applicable in other regions	Directly applicable to the whole of the South Island, methodology transferrable to other regions.	
Supports national consistency	Closely linked to current CATPLAN program and the upcoming New Zealand national exercise. Closely linked to ongoing inter-regional, inter-agency Alpine Fault response planning work, including rapid relief, welfare delivery and intelligence. Programme methodology transferable to other catastrophic events and hazard scenarios.	
Wider funding / resource commitment	Significant “time in kind” and technical contributions anticipated from South Island regional CDEM Groups, AF8 Programme, AF8 Science partners and Road Controlling Authorities. Emergency Management Southland run this programme on behalf of the South Island Groups and employ the programme manager, staff and run any contracts	
Builds on existing work	Builds on previous seven years of Alpine Fault preparedness work undertaken by the AF8 Programme and South Island Intelligence Common Operating Picture	
Application of outcomes/benefits to sector <i>[200 words maximum]</i>		

It is widely accepted that being prepared for the next large Alpine Fault earthquake, and the cascading hazards that will follow it, goes beyond improving our readiness and response capabilities for a single event or region. The return on investment in the programme is already visible.

For example:

- **The 2020 Southland Floods:** Community engagement and stakeholder planning carried out to prepare the region for an Alpine Fault earthquake resulted in an effective and efficient response to the 2020 Southland Floods.
- **Improved alternative communications:** West Coast Emergency Management's StarLink Kits for improved alternative communications during an Alpine Fault earthquake have already been deployed for other events, including the recent response to Cyclone Gabrielle 2023.

The funding provided by this application will enable the AF8 Programme to continue this work, share our learnings and enable others to leverage off the progress that has already been made in preparing Aotearoa New Zealand for catastrophic events.

For example:

- AF8 Consistent Messaging Guide for Catastrophic Event Public Education and Public Information Management and AF8 Public Education Toolkit to build capability for risk communication and engagement for catastrophic event planning and preparedness across the sector.
- The AF8 Programme continues to support iwi-led preparedness initiatives across Te Waipounamu. In 2023 we are working with both Te Tauihu and Te Rūnanga o Ngāi Tahu EM teams to extend Alpine Fault public education activities to Marae and whānau in their rohe.
- The potential to support the development of a South Island-wide common operating picture for use in readiness (planning tools) and response (intelligence sharing)
- A ready-made model for regional engagement and collaboration with national-level planning and exercising e.g. Workshops, Hazard Agnostic Planning to assist National Catastrophic Handbook, National Tier 4 Exercise.

Ongoing costs (post-project) and how it will be funded *[200 words maximum]*

By the end of the three years the workstreams are designed to allow local level delivery of the AF8 messaging to and by CDEM Groups and some partner agencies.

Prior to the end of the second year of this funding (Jun 2025) the AF8 Steering Group will assess the on-going scope and requirements for the AF8 Programme.

Project design

Project manager	Simon Mapp (Emergency Management Southland)
Other project members	Alice Lake-Hammond (AF8), Brian Paton, Joe Kennedy, James Thompson, Matt Alley, Claire Brown, Caroline Orchiston Neville Cook and Richard Smith including Resilience to Nature's Challenges, QuakeCoRE, Welfare Coordination Groups, Regional Lifelines Group Programme Managers and partner agencies as appropriate.

External providers/contractors	New Zealand universities and CRIs, Eagle Technology (possible)	
NEMA resource (if needed)	NEMA Planning Team. Other NEMA teams with regard to specific pieces of work eg. CATPLAN	
Deliverables [Note: payments will be made after successful completion of milestones identified]		
Key milestones	Date for completion	Cost (invoice amount)
Programme management, staff wages and associate costs.	Ongoing until Jun 2026	\$200,000 pa invoiced annually (co-funded by \$100k from South Island CDEM Groups and \$18k from QuakeCore)
Develop and co-design an AF8 Consistent Messaging Guide for Catastrophic Event Public Education and Public Information Management.	Jun 2024	As above (co-funded with support of AF8 Science partners, with their time funded by RNC and QuakeCoRE)
Maintain and coordinate the Consistent Messaging Guide, and implement refinements and updates as needed.	Ongoing until Jun 2026	As above
Strengthen the support of Iwi-led initiatives across Te Waipounamu eg. AF8 Roadshow at Marae.	Ongoing until Jun 2026	As above (co-funded with sponsorship from Toka Tū Ake EQC)
Develop and co-design an AF8 Public Education Toolkit (informed by the AF8 Consistent Messaging Guide).	Dec 2024	As above (co-funded with sponsorship from Toka Tū Ake EQC)
Maintain and coordinate the Public Education Toolkit, and implement refinements and updates as needed.	Ongoing until Jun 2026	As above
Co-design a roadmap for coordinated response planning activities with NEMA Planning Team, to guide and better connect inter-regional and national-level catastrophic event planning work, eg. Response Planning Groups joined up with	Dec 2023	As above (co-funded with “time in-kind” from partners eg. South Island CDEM Groups, Science partners and NEMA)

CATPLAN programme and National Catastrophic Handbook.		
Reinforce leadership and administration of the AF8 Response Planning Groups and the coordination of collaborative work.	Ongoing until Jun 2026	As above
Progress and develop a framework for a South Island-wide Common Operating Picture (COP) for use in readiness (planning tools) and response (intelligence sharing).	Jun 2024	As above (co-funded with "time in-kind" from partners eg. South Island CDEM Groups, Science partners and NEMA)
Develop online resources to make Alpine Fault and natural hazard risk science information directly accessible, applicable and actionable for communities, emergency managers, mana whenua and other partners. Eg. websites, StoryMaps, science writing	Ongoing until Jun 2026	As above (co-funded with sponsorship from Toka Tū Ake EQC and "time in-kind" from AF8 Science partners)
Review of the SAFER Framework with consideration of CATPLAN programme activities and outputs.	Dec 2025	As above (co-funded with "time in-kind" from partners eg. South Island CDEM Groups, Science partners and NEMA)
Delivery of fourth AF8 Roadshow in 2025.	Jun 2025	As above (co-funded with sponsorship from Toka Tū Ake EQC and "time in-kind" from AF8 Science partners)
Development and co-design of NCEA Level 1 Geography resource.	Dec 2024	As above (co-funded with sponsorship from Toka Tū Ake EQC and "time in-kind" from AF8 Science partners)
Identified risks		
Risks	Suggested mitigation / management	
Costs exceed budget estimate	Milestone cost reviews and revise scope if necessary to stay on budget.	

Project delays	Work closely with regional CDEM Groups to identify alternative approaches to still deliver the outcome		
Key staff become unavailable	Ensure the program develops a toolkit that the Groups can deliver some areas of the program and between the six groups have alternate staff that can step into the vacant roles		
Lack of commitment of council funding	The six group managers have committed to ensure funding at current levels		
The Alpine Fault ruptures before work is completed	All work undertaken in preparation will be of benefit, progressing planning and strengthening networks with partners, communities and interested parties is key to providing a coordinated response.		
Funding request and use			
CDEM Resilience Fund contribution	\$200,000 per annum		
Local authority / organisation contribution	\$100,000 per annum distributed between the South Island CDEM Groups and participation of South Island CDEM Group personnel, BAU in kind, costs not quantified at this stage.		
Other sources of funding or support	In-kind science leadership from the Resilience to Natures Challenges Rural programme, with further in-kind science support across NZ Universities and CRIs. Annual contribution from QuakeCoRE (confirmed for 2022-24). Funding from QuakeCoRE and Resilience to Nature's Challenges also enables workshops and research assistants to support programme activities. Sponsorship from Toka Tū Ake EQC (2022-25) of public education activities.		
Budget <i>[please supply spreadsheet]</i>	\$384,000		
Applies if application exceeds \$100,000 over the life of the project	Are you prepared to attend an interview in support of this application (if needed)?	Yes ☒	No ☐
Application confirmation			
Is this application from an individual or other organisation	Yes ☐	No ☒	

Does the CDEM Group support this application? <i>[sign off below confirms support]</i>	Yes ☒	No ☐
Approval of Chief Executive [Chief Executive or Head of the organisation receiving the funding]	 Name: Wilma Falconer, Chief Executive	
Approval of CEG Chair	 Name: Cameron McIntosh, CE Southland District Council	
All communications regarding the application, including approval decisions will be addressed to the Chief Executive and CEG Chair		
CDEM Group comment		

Note: Only complete forms will be considered for assessment. All completed forms and supporting documents must be emailed to NEMA at resilience.fund@nema.govt.nz

NEMA Assessment [internal use only]		
Principles	Yes	No
Local / regional focus	☐	☐
Values the role of Māori in the Emergency Management System	☐	☐
NEMA involvement required	☐	☐
Allocation Preferences		
Alignment with NDRS	☐	☐
Achieves equity of outcomes for Māori communities, marae, hapū, iwi and Māori organisations	☐	☐
Outcome focused	☐	☐
Applicable in other regions / CDEM Groups	☐	☐
Supports national consistency	☒	☐

Wider funding / resource commitment	☐	☐
Build on existing work	☐	☐
Operational expenditure (Opex)	☐	☐
Capital expenditure (Capex)	☐	☐
Other		
Application from individuals or other organisations endorsed/sponsored by CDEM Group		
NEMA Subject Matter Expert Comment	Supported ☐	Not supported ☐
NEMA Regional Emergency Management Advisor Comment	Supported ☐	Not supported ☐
NEMA Review Panel Comment	Supported ☐	Not supported ☐
NEMA Director Decision Sign-off	Approved ☐	Declined ☐
Director of Civil Defence Emergency Management		

Appendix A Report Template

CDEM Resilience Fund Project Status Report		Date: DD MMMM YY	
Project title			Project number
Project manager		Contact details	
Executive summary of status			
Progress of deliverables			
Milestones		Status (on track, delayed, etc.)	Progress this quarter and next steps

Identification of any issues (actual or potential)						
	Issue		Mitigation			
	Schedule					
	Staff resources					
	Budget					
	Dependencies					
	Stakeholders					
	Quality					
	Other					
Budget						
Activity	Expenditure to date	Budget to date	Full year budget	Budget forecast	Variance	

Comment on variance		
Confirmation		
I confirm the status report is accurately reflected and the invoice amount is correct.		
Project Manager	Chief Executive	CEG Chair
Comment by Resilience Fund Coordinator		