



CDEM Resilience Fund project application form

Application for CDEM Resilience Collaborative fund approval	
Project title	Regional Branded Hazard Study – East Coast LAB – Year 2
Date of application	20 April 2016
Details on application	
Applicant	Hawke’s Bay Regional Council
CDEM Group/s affected	Hawke’s Bay CDEM Group, Gisborne CDEM Group, Wellington Regional Council, Manawatu/Wanganui CDEM Group
Other local authorities, Groups or organisations supporting this proposal	GNS, NIWA, Natural Hazards Research Platform, EQC, Massey University, University of Auckland, National Aquarium of New Zealand.
Project description	
<p>Executive summary <i>[200 words maximum description.]</i></p> <p>‘East Coast LAB’ (Life at Boundary) is a multi-agency initiative, across four Group boundaries, which aims to improve the resilience of communities on the East Coast of the North Island of New Zealand, to natural hazards associated with the plate boundary and living on the coast. Objectives are:</p> <ol style="list-style-type: none"> 1) Research – Foster well-connected and coordinated research within the natural LAB to increase our understanding of the plate boundary and natural hazards. 2) Education & Engagement – Encourage communities to become engaged and participate in science so that they understand the risk associated with living at the boundary. 3) Risk Reduction – Ensure communities are aware of the hazards that affect them, know how to prepare and respond to hazard events, and in the event of a natural hazard continue to thrive. 4) Project Learnings – Consolidate project lessons and provide guidance for future New Zealand regional natural hazards branded studies. <p>We seek continued MCDEM resilience funding for this important project. The Project commenced in 2015 and has an established project steering group. Its project plan (attached) divides work into four streams with specific goals and activities. The project has very limited funding and is reliant on the second year of resilience funding to continue the employment of its ‘Community Science Coordinator’ and see the project through to its official launch.</p>	
<p>Challenge/opportunity <i>[200 words maximum description.]</i></p> <p>The East Coast of NZ faces significant tsunami risk but has little direct experience. While recent surveys show communities are now more aware of tsunami risk than a decade ago, there is a worrying confusion about different scenarios - “Distant source” vs “Local source” and how communities will be warned, which means many people will either delay or not self-evacuate. Although large tsunamis happen infrequently, when they do occur they can cause substantial fatalities and property damage in the zones at risk.</p> <p>The project seeks to benefit from international research as the US National Science Foundation has selected the Hikurangi Margin as one of three places in the world where research effort and money (near \$14m) will be spent on understanding subduction plate boundary phenomena over the next decade.</p> <p>This multi-agency research initiative provides an exceptional opportunity for community engagement as it assists Groups promote and make accessible new cutting-edge research that aims to increase understanding of the East Coast plate boundary. ‘Its our Fault’ and ‘DEVORA’ have proven effective at promoting public awareness of local natural hazard risk,</p>	

so this project builds on these initiatives, which aligns with capability development work under community resilience and public education.

The project programme will run over a 5 year period from 2016 – 2021 in line with the Geoprisms research programme as shown in the table below. Resilience funding is sought for the second year 2016/17.

Grow Concept	Develop	Implement Programme over 5 years				
2014/15	2015/16	2016/17	2017/18	2018/19	2019/2020	2020/2021
Steering Group & Project Aims established	Community Science Coordinator appointed. ECLAB Brand development, with work on creating website and centres.	East Coast LAB launched under guidance of Community Science Coordinator	East Coast LAB initiatives with emphasis on education and engagement and risk reduction	East Coast LAB initiatives with emphasis on education and engagement and risk reduction	East Coast LAB initiatives with emphasis on education and engagement and risk reduction	East Coast LAB initiatives with emphasis on education and engagement and risk reduction

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

Goal 1 – Readiness

- 1d Encouraging and enabling wider community participation in hazard risk management decisions

Goal 2 – Reduction

- 2a Improving the coordination, promotion and accessibility of CDEM research.
- 2b Developing a comprehensive understanding of New Zealand’s hazard-scape.
- 2c Encouraging all CDEM stakeholders to reduce the risks from hazards to acceptable levels.

Goal 3 – Response

- 3b, c, d & e – Enhancing the ability of CDEM Groups, emergency services, lifeline utilities and government agencies to prepare for and manage civil defence emergencies.

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

There is little guidance available to develop regional branded studies to promote public awareness of local natural hazard risk, so ‘East Coast LAB’ (Life at Boundary) will be used to develop a ‘How to guide’ for future regional branded studies in New Zealand. Already there is interest in this guide from organisations in the South Island.

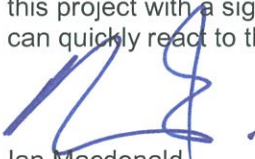
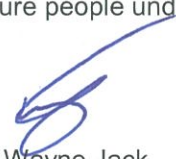
Benefits to the wider CDEM Sector include –

- Development of guidance for future regional branded studies in New Zealand which would be made available on the MCDEM website under CDEM Sector Resources.
- Strengthening of linkages between CDEM groups and other key stakeholders involved in research, education and engagement and risk reduction along the East Coast

Project design

Project manager	Lisa Pearse Chair EC LAB (HBCDEM Group)
Other project members	Kate Boersen - Community Science Coordinator David Johnston (Deputy Chairman ECLAB) (Massey University), Kevin Strongman (Gisborne CDEM Group), Ian Lowe (Manawatu/Wanganui CDEM Group), Iain Dawe (Wellington Regional Council), Richard Smith (EQC), Hannah Brackley (Natural Hazard Platform), Stephen Bannister (GNS), Rob Bell (NIWA), Paul Kench (University of Auckland), Sarah-Jayne McCurrach (MCDEM), Mike Adye (Hawke’s Bay Regional Council), Neil Fergus (Napier City Council),

	Carol Larson (National Aquarium).	
External providers/contractors	Sydaz Joinery Ltd	
Deliverables		
Milestones	Date for completion	Cost
<p>Phase 1: Map out the opportunities that existing and future science projects give this initiative, the structure for the EC Lab, its core aims and objectives and processes.</p> <ul style="list-style-type: none"> • Establish Steering Group • Develop core aims and objectives, & project brief 	Completed 2014/15	HB, Gisborne, Manawatu/Wanganui CDEM Group & Wellington Regional Council (In kind)
<p>Phase 2: Activities around both moving the science out to communities and feeding community input back into the various science partners (and projects).</p> <ul style="list-style-type: none"> • Appoint a project "Community Science Coordinator" • Develop and build PR brand & profile • Host meetings, public talks/special events and develop requirements for outreach material. • Refine & set work streams and identify funding streams for website 	Near-completed 2015/16	<p>Gisborne, Manawatu/Wanganui CDEM Groups & Wellington Regional Council (In kind)</p> <p>\$50,000</p> <p>\$50,000</p> <p>\$5,000</p> <p>HB CDEM Group project management and administration support</p>
<p>Phase 3: Develop a 'How to guide' for future regional branded studies in New Zealand.</p> <p>Phase 4: East Coast LAB launched under guidance of Community Science Coordinator</p> <ul style="list-style-type: none"> • Community Science Coordinator to oversee activities including hosting meetings, public talks/special events and develop requirements for outreach material. • Complete development and launch of 'The LAB' Education centre in Napier. • Develop appropriate education links to other centres within the Project Boundaries. 	<p>January – July 2017</p> <p>July 2016 – June 2017</p> <p>September 2016</p> <p>October – July 2017</p>	<p>\$20,000 *</p> <p>\$60,000*</p> <p>\$5,000* HB CDEM Group project management and administration support</p> <p>\$180,000</p> <p>Gisborne, Manawatu/Wanganui CDEM Groups & Wellington Regional Council (In kind)</p>
Total		\$375,000

Identified risks	
Risk	Suggested management
Scope of works has a potential to grow too big as the project grows.	Determine the core aims and objectives which are a priority to convey and to which audiences and focus on these.
Lack of support funding	Approach sponsors for on-going funding 2017 and beyond and review project objectives thereafter. The Steering Group agreed March 2016 to develop a long-term funding strategy.
Funding request and use	
CDEM resilience fund contribution (marked with * under deliverables)	2015/16: \$80,000 2016/17: \$85,000 *
Local authority contribution HBCDEM	2014/15: Initial development costs \$30,000 2016/17 – 2020/21: \$20,000 per annum over 6 years (\$120K) external budget plus on-going project
Gisborne CDEM Group Manawatu/Wanganui CDEM Group Wellington Regional Council	2014/15 – 2020/21: Management and administrative support costs.
Other sources of funding	2015/16: \$160K to be confirmed
Budget <i>[Please supply details]</i>	Employment of Community Science Coordinator \$100,000 over two years Branding/promotion and public education activities \$50,000 Host meetings, public talks/special events & develop outreach material \$15,000 over 2 years Development and publishing of 'How to guide' \$20,000 'The LAB' Education Facility \$180,000
Application confirmation	
Approval of Chief Executive	<i>E.A. Lambert</i>
CDEM Group comment	
<p><u>Comment:</u> This project is a unique blend of science with education and the development of community risk reduction strategies. This project will support the long term reduction of the impact of one of the greatest risks to the East Coast of the North Island. Tsunami risk reduction in this environment of a significant local source, requires a comprehensive approach as proposed by this project with a significant public education component to ensure people understand and can quickly react to the natural warning signs when they occur.</p>	
 Ian Macdonald Primary Group Controller Hawke's Bay CDEM Group	 Wayne Jack CEG Chairman Hawke's Bay CDEM Group