

Loc	Vision of a Resilient Nation	component
OD	Maori principles and values are integrally woven into the National approach to DRR /DRM	Cultural
OD	Culture of resilience is embedded - well connected robust systems, shared and agreed views, trust	Cultural
OD	preparedness through networks - government to individual	Cultural
OD	sense of belonging and need for people to participate	Cultural
OD	behaviourally - its about us not me	Cultural
OD	Understanding and supporting different approaches to express views / opinions	Cultural
OD	resilience is an embedded social value	Cultural
OD	culture of shared values	Cultural
OD	trust supportive shared views - less me and more us	Cultural
OD	know your neighbours / joined up communities	Cultural
OD	better understanding of cost benefit	Economic
OD	businesses are incentivised to institute a range of resilience measures that benefit themselves and communities	Economic
OD	flood plains are used for recreation and not building or intensive agriculture	Environmental
OD	better connections to the environment - urban geog & design taking better care of the environment	Environmental
OD	increased environmental conciousness	Environmental
OD	clustering by functions rather than organisations - i.e. central and local government	Governance
OD	Risk awareness across all levels to inform decision making	Governance
OD	effective and responsible leadership	Governance
OD	transparency / good governance	Governance
OD	Institutions are strong, inclusive, adaptive, collaborative with clear understanding of role	Governance
OD	low social and economic inequality - unequal societies are not resilient	Governance
OD	role of government in resilience investment is understood	Governance
OD	Good information for decision making	Governance
OD	There are platforms for DRR at a local, regional and national level	Governance
OD	improved global connection	Governance
OD	Strengthening international relationships - mutual aid / support	Governance
OD	Local water tanks home/neighbours national initiative	Infrastructure
OD	Building resilinece - seismic strengthening	Infrastructure
OD	Local authority asset renewal programmes are prioritised by risk	Infrastructure
OD	technology that is available, robust, sustainable - all have 'back up systems' and understand limitations	Infrastructure
OD	Strong data information infrastructure - good back up / security systems	Infrastructure
OD	Not reliant on technology / power i.e. no single points of failure	Infrastructure
OD	proven, reliable and accessible infrastructure and networks	Infrastructure
OD	Solar energy - self sufficiency	Infrastructure
OD	Self reliant communities through technology - building networks and relationships	Social
OD	community participation	Social
OD	more self sufficient families and communities (ie growing vegetables)	Social
OD	making use of the re-purpose / sharing movement	Social
OD	we need to be more self sufficient with greater diversity to help each other - village mentality / distributed cells	Social
OD	A range of mechanisms promote the cohesiveness and connectedness of communities	Social
OD	real community engagement, not simply virtual social media links	Social
OD	education	Social
OD	You can see and feel adaption to a changing situation (& reduces vulnerability)	
OD	Learning from others - national perspective	
OD	intelligent conversations around risk	
OD	conditions set for individual and community resilience	
OD	ability to transition to a new normal rapidly	
OD	shared, trusted environment - have trust in responders	
OD	efficient use of resources - sharing equipment, transport, matching supply with demand (ie AirBnB)	
OD	faster response of government because of better access to data	
OD	access to info to inform decision making	
OD	future focus planning	
OD	increased personal responsibility for resilience - health and finances	
TGA	Understanding and inclusiveness across cultures	
TGA	understand how the world works	
TGA	Its just the way we do things around here	
TGA	more incentive to retrofit/create buildings to be safer - safer buildings and built environment	
TGA	social connectedness - networks - understandign our communities	
TGA	unified, culturally diverse communities are integrated	
TGA	affordable housing for all	
TGA	multipurpose buildings - identify disaster centres before built and incentivise builders to accommodate	
TGA	resourced, connected, less siloed, grounded, sound foundations	
TGA	sharing knowledge - coordination	
TGA	look after self - self aware society	
TGA	vulnerable communities are no longer considered vulnerable	
TGA	international systems for alerting and informing people	
TGA	clean water	
TGA	fresh air	

TGA more courageous political decisions required especially for low recurrence interval events
TGA minimum standards of living so people have the capacity to be resilient
TGA good volunteer base - good attitude and culture backed up by strong permanent teams
TGA smart technologies
TGA resilience training at community level.
TGA networked resources (fonterra) rather than more
TGA creativity and flexibility
TGA knowledge of and acceptance of the risk
TGA self preparedness / common sense
TGA we are not using practical lessons from events - help communities to implement
TGA a clear vision of the advantage of spending time in emergency preparedness
TGA additional capacity to respond to emergencies
TGA what can I do to help myself
TGA strong economic backbone
TGA establish relationships in communities before needed - eg neighbourhood watch
TGA foster innovation
TGA understanding consequences of disasters
TGA greater acceptance of risks - engaged in understanding solutions / advice
TGA adaptive governance acceptance of public empowerment
TGA teaching self and community responsibility
TGA positive behaviours - compassionate, collaborative, inclusive, optimistic, sharing, giving
TGA economic resiliency
TGA spread the risk of our primary industries - diversify
TGA low unemployment
TGA keeping enough of our resources for ourselves first (eg water, oil)
TGA increased reskilling of our workforce
TGA give people a chance to do things their way
TGA filters checks and balances on decision making
TGA water availability - allocation, public water provision, affordable and efficient
TGA resources are treasured 'Te Ao Maori'
TGA having the capability to bounce back
TGA trust and confidence
TGA people having sense of belonging
TGA connectivity and embracing technology
TGA greater flexibility of working options
TGA food security - local production/ community gardens / secure transport routes for food delivery
TGA empowering existing preparedness and sustainability
TGA empowering leadership / strong leadership
TGA decision making long term benefits
TGA centralised policy approach to high risk communities
TGA funding
TGA connectivity of services
TGA turnaround for community size - encourage growth
TGA strong police and military - law and order
TGA efficient sustainable transport choices
TGA environment sustainability
TGA communication, coordination, collaboration, community
TGA how can we design infrastructure to "fail safely"
TGA access to the same information
TGA less reliance on 'centralised' infrastructure
TGA cost efficient and cost effective recovery
TGA self sufficiency - look after yourselves
TGA land use reduces our exposure over the long term
TGA well informed individuals, families, communities about risks and response to an event
TGA educated nation on resilience (daily life)
TGA networked community connected by social interaction - neighbourhood that know each other
TGA high level of problem solving skills
TGA harness and enable community action rather than direct and control
TGA community takes responsibility for resilience
TGA accepting the greater good
TGA communities willing to plan to reduce risks
TGA adaptability to change and then drive forward
TGA behaviours - trust cooperation networking tolerance sharing and caring
TGA whole of government will be visible and key partners in the strategy
TGA shared responsibility - not nec equal responsibility
TGA multiple connections
TGA confident empowered individuals
TGA financially strong with appropriate infrastructure to respond and recover
TGA not need support

TGA shared sense of purpose within social networks
TGA hazard approach consistent across all legislation
TGA connectedness as a nation - sense of community
TGA diverse choice of housing
TGA longer term focus
TGA people are open to change and work together
TGA adaptable infrastructure with ability to connect and transform (eg sewer pipes used for power line)
TGA local leadership - community planning
TGA strong national approach to assessing and then managing risks
TGA awareness of global changes
TGA use social media to sell the resilience message
TGA conversations about the cost of 'being saved by big brother' vs being more self sufficient
TGA high level of collaboration
TGA healthier community
TGA higher employment rates
TGA a resilient citizen feels valued, connected and secure
TGA plans and implementation - mustnt alienate the community
TGA connected, inclusive, strong whanau / community
TGA education and awareness - give people mechanisms to make correct decisions
TGA government and authorities have the ability to make a difference and are trusted to do so
TGA leveraging of disaster
TGA informed community lead pre event infrastructure investment
TGA diverse ranges of solutions
TGA strong supportive neighbourhoods
TGA more self sufficient communities
TGA agencies that work together - share information resources etc
TGA open to learn from cultural resilient success stories.
WTG Increased reliance on and required resilience of electricity to keep data and coms going - smart networks
WTG renewable energy across the country
WTG connected by technology
WTG distributed / diverse population and economy - build out not up
WTG resilient people understand dependencies and interdependencies
WTG community leadership is well organised and distributed
WTG safe buildings - before and after events - community spaces
WTG engaged people and organisations
WTG diversity will be part of the community - social, cultural, infrastructure
WTG buildilgn individual resilience - making the sum of the parts a resilient system
WTG information sharing, accountability, responsibility
WTG individual / family preparedness
WTG resilient individuals
WTG identified community risk appetite
WTG people educated - no barriers to getting education - flexible ways / methods of education
WTG no one disadvantaged due to disruptions - consideration of thos that are and that become vulnerable
WTG infrastructure that's able to cope / continue functioning to a degree that maintains continuity of society
WTG resilience is delivering today on tomorrows recovery plan
WTG understand the land / waterways / sea level rise before development
WTG effective planning, awareness and communication
WTG mental health system is effective and promotes individual resiliency - coping mechanisms
WTG resilient individuals would be self sufficient, informed and equipped to make decisions that required less support

WTG a network of networks - connectedness (social economic infrastructure)
WTG adapt to change - different sectors deal with change at different rates
WTG greater community connections - tools to get to know your neighbours
WTG improved decision makign on response events (eg tsunami evacuation)
WTG leaders and community have a shared vision for a resilient future
WTG making wellington water supply more resilient
WTG reform and incentivise the insurance industry - quick assessments
WTG know your neighbours - being able to support and help one another
WTG a buildilgn code that is more risk based
WTG awareness of natural environment
WTG better understandign of infrastructure and how it works
WTG building and infrastructure are more resilient to shocks and stresses
WTG people / communities / orgs have plans, shared sense of ownership in their community
WTG healthy - individuals, economic impact - less dependancy
WTG resilient infrastructure - that meets the nees of a growing and changing community
WTG structures designed to withstand known & identified hazards and risks
WTG everybody has a part to plan starting with individuals
WTG sense of community - connected, shared vision, supportive, resourceful and sustainable
WTG clear appetite and expectation for what might happen - informs decisions / people

WTG well educated society about resilience
WTG more diverse and information based economy
WTG ability of a resource in one area to be transferred instantly to another area with all information needed to transition

WTG upfront investment mitigating risk and consequences
WTG greater lifeline functional redundancy - theres a back up
WTG transform data into information via spatial data infrastructure
WTG authoritative, trusted information - single authoritative voice - topic specific
WTG connected communities - both physical and virtual
WTG more self sufficiency - food water shelter energy
WTG more public awareness of available resources
WTG environmental resilience
WTG resilience as a way of life
WTG people understand risk and behaviours are adapted - towns not on floodplains
WTG understand current levels of risk
WTG not building in hazard zones - mitigation of known risks
WTG distributed networks (power water comms roading waste)
WTG integrating resilience into urban design philosophy
WTG multi skilled population
WTG all ages engaged especially the young who need to drive the change
WTG youth lead revolution - changing political structures
WTG resilience is well defined, socialise from the earliest age. - front and foremost of our decision making
WTG higher levels of individual and household preparedness to survive for 7 days
WTG reduction in poverty
WTG awareness of impacts and how to respond
WTG affordable housing
WTG resilience is a social norm
WTG communities organisation and people acting on knowledge
WTG psychological well being
WTG government strategists raised awareness of maori still living in life 1.0 mode
WTG strong community networks
WTG economic incentives for being more resilient
WTG strong communities in which everyone know and talks to their neighbour
WTG impact on NZ economy given majority is SME's - what happens / how to support especially if nationwide event
WTG alignment with international standards / frameworks re resilience - e.g. insulated homes
WTG clear climate change response
WTG iterative ongoing processes
WTG future proof infrastructure
WTG investment decision (ideally) increasing resilience and reducing risk
WTG a national resilience strategy should be in place
WTG well insured (self or market) - informed decisions, readily available, affordable
WTG the Prince of Wales reservoir has been built
WTG resilience should be a way of life for all families / businesses etc.
CHCH Sustainable and resilient decision making and investment
CHCH Social and economic diversity
CHCH Resilient Infrastructure
CHCH Shared values
CHCH Understanding of real leadership for addressing real problems
CHCH Supporting resilience: Governance. Enabling structures. Social and ethical responsibility of institutions and people. Fun (visible value). Transparency and fair distribution of value
CHCH Behaviours: Sharing, volunteering, community, social and ethical and moral, friendly, breaks down barriers, inclusive, supportive, generous
CHCH What would it feel like? Empowering, warm and fuzzy, inclusive, safe, satisfying, effective, connected
CHCH Connectedness - vertical and horizontal networks. Less of a gap between top and bottom. High level empowering communities.
CHCH Self-awareness with appreciation of others
CHCH Adaptive systems and processes
CHCH Openness and transparency
CHCH Security
CHCH Communication. People hearing info in their language of choice (basic human right)
CHCH Trust: In leadership, in the process and between government and community
CHCH Better hazard identification, widespread public knowledge of hazards, simple and effective plans to cope
CHCH Proactive resourcing and investment in future
CHCH More recognition of the importance of social capital and its role in inherent resilience including in crises
CHCH Flexibility and willingness to adapt
CHCH Community participation
CHCH Resilience part of normal conversation/daily life
CHCH Leadership and governance
CHCH Equity: Health and wealth educated people
CHCH Sustainable and resilient decision making and investment

CHCH Citizens not consumers
CHCH Trust and confidence
CHCH Coordination, reassurance, confidence and support
CHCH Ability to cope as near normal and to rebound better
CHCH Shared understanding of vulnerabilities, responsibilities and adaptabilities
CHCH Equal access to health and education services/resources for a health life
CHCH Shared understanding of resilience
CHCH Inclusive society
CHCH Equitable responsibility, support and management across all levels of government
CHCH Social connectedness
CHCH Pragmatic and effective leadership, clear and timely communications
CHCH Inter-agency collaboration
CHCH Able to adapt to change
CHCH Inclusive
CHCH Prosperous people
CHCH Fearless
CHCH Acceptance and action. Community driven mitigation from knowledge of risk
CHCH Community driven - part of process - needs heard and acted on by agencies
CHCH Reliable and meaningful social contract. Confidence in social safety nets.
CHCH Connectedness and relationships.
CHCH Diverse economy
CHCH Community leadership in risk awareness
CHCH People driven by purpose. Organisations exist to better enable collective purpose
CHCH Education. Legislation/robust government framework to enable reaction to the unexpected
CHCH Adaptation. Use lessons learned from local and international events/sources
CHCH All people able to meet their basic needs and participate
CHCH Holistic accountability of institutions
CHCH Participatory democracy
CHCH Integrated education. Learning environment and sharing between generations.
CHCH Vertically integrated
CHCH Enabling emergent leaders and organisations
CHCH Personal and community responsibility
CHCH World peace
CHCH Community connectedness
CHCH Sense of community, thriving communities, embrace organic development
CHCH Self reliance
CHCH Know your neighbour, random acts of assistance, knowing what resources are available
CHCH Not just risk aware but risk active
CHCH Encourage diversity in communities
CHCH Ability to 'self-help'
CHCH People development driven by possibility and existing needs

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loc	#	Building Blocks/Things in Place	Component
OD		Vision Mataurangi - National Science Challenge : Resilience to natures challenges	cultural
OD		diverse but not polarised communities - e.g. refugee settlement approaches	cultural
T	1	Proactive iwi/tribal groups and relationships	cultural
T		Using social media - brand awareness promoting community engagement, resilience and hazard awareness.	cultural
T		Multicultural groups in many areas. Some translated resources. Marae preparedness resources being developed. Some community radio stations willing to support distribution of info for cultural groups in emergency planning response	cultural
T		Diversity. Mosques, temples, schools. Multicultural society. Well connected cultural communities. All colours needed to make the rainbow!	cultural
T		Maori, pacific, ethnic police advisory boards - national, regional, area levels	cultural
T	2	Regulatory tools - land use, work planning, buildings	cultural
T	10	Social networks within communities eg neighbourly Facebook	cultural
T	1	Collaborative response planning - interbusiness, interagency	cultural
T		Te tiriti! O Waitangi	cultural
T	1	Kiwi can do attitude	cultural
T	16	Unique NZ Culture: History-stories, Bay of Plenty, No 8 Wire, Tangata whenua, Battle of Gate Pa, Commonwealth Pasifica, Maori landwards, te arawa, tauranga moana, colonial past	cultural
T	5	Existing community networks, neighbourly etc, school networks - add to and support	cultural
T	1	Vision Matauranga - National Science Challenge : Resilience to natures challenges - examines contemporary Maori roles in resilience in NZ	cultural
T	1	Well trained CD volunteers to support locals in event of disaster	cultural
W	2	Treaty of Waitangi: A great building block already there - shared - development, responsibility, empowering. Gap: At times restrictive at times not used to fullest extent	cultural
W		Powerful social equity in kiwi culture eg sense of fairness. First hand experience of emergency events	cultural
W	10	Strong volunteer organisations and culture in NZ	cultural
CHCH	1	Whakapapa for all. Lack of knowledge on how to access/learn/participate	cultural
CHCH		Marae	cultural
CHCH	2	Developing cultural belonging in urban landscapes. Access to open space.	cultural
CHCH		Iwi networks/formal (Kumara vine/informal). Respect and understanding of the strength and capacity of these networks	cultural
CHCH		Strong refugee resettlement programs (eg via NZ Red Cross)	cultural
CHCH		Iwi networks/formal (Kumara vine/informal). Respect and understanding of the strength and capacity of these networks	cultural
CHCH		Iwi economic independence and contribution to social capital across communities	cultural
CHCH		The treaty settlement process	cultural
CHCH		Te Matatini (National Kapa Haka Festival/competition)	cultural
CHCH		Treaty settlements have led to tribes having capacity to be future focussed. Capacity + Capability to develop and implement programs	cultural
OD		Supply chain vulnerabilities - reliance on some major suppliers	economic
OD		National Catastrophe insurance scheme - EQC (national disaster fund/reinsurance alternative capital)	economic
OD		National no fault personal injury - ACC	economic
OD		High private insurance cover (but declining)	economic
OD		local government insurance pools	economic
OD		National infrastructure plans	economic
OD		Local Government Risk Agency development	economic
OD		understanding the contingent liabilities and the size of the gap between what is insured and what isn't	economic
OD		NZ heavily reliant on one or two sectors (agriculture and tourism)	economic
OD		fiscal strategy to ensure appropriate fiscal buffers to support economic resilience	economic
OD		Business continuity practice ISO 22301 - BCI good practice guidelines	economic
OD		Living Standards Framework	economic
OD		Resilient Organisations organisational resilience model	economic
OD		Primary sector recovery policy (MPI)	economic
OD		vulnerable to global shifts	economic
OD		business growth agenda - build more diversified markets (MBIE)	economic
T	1	Increasing population. Increase in funds for infrastructure (but needs to keep pace)	economic
T		24/7 banking and multiple access	economic
T	5	Risk assessment tools (NZ context) "Risk scape".	economic
T	7	Business continuity plans	economic
T		Living Standards Framework (Treasury)	economic
T	6	Philanthropic businesses who care about their communities and want to contribute	economic
T		MBIE, MPI. Working towards a more diverse economic base - growth push.	economic

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T	Formal sources of funding eg tax	economic
T	1/2 of Kiwi Bank, Kiwi Saver, Gold Card	economic
T	Dedicated funding for emergency management. CDEM. Health.	economic
T	Local and regional funding.	economic
T	2 Safe supply chain. Global arrangement. Bio security. Purchasing. Logistics. What we want and what we need.	economic
T	Local high tech hub at the mount is diversifying our economic base, making it more resilient.	economic
T	4 National insurance for disaster. EQC	economic
T	5 Maintaining a focus on work/employment	economic
W	EQC - residential economic resilience	economic
W	2 Role of private insurance market	economic
W	Banking sector is strong to cope with economic stress	economic
CHCH	Need for paid employment limits ability to contribute in unpaid community activity	economic
CHCH	1 More diverse economy. More diversified markets.	economic
CHCH	Stockpiling to ensure supply eg pharma	economic
CHCH	Alternative economic models that are emerging eg timebanks, community currencies, social entrepreneurship, food foraging...	economic
CHCH	Insurance	economic
CHCH	"Industry" Owning its part in business and community continuity	economic
CHCH	1 Weakness: Dependence on international capitalist economic model	economic
OD	Tension between air quality standards and use of wood/coal environmental as domestic fuel for heating/hot water/cooking	environmental
OD	Policies that are robust enough to truly protect water quality	environmental
OD	national parks	environmental
OD	heritage buildings are protected / wardens of national heritage	environmental
OD	natural capital - quantified and captured on balance sheets - undervalued nationally and locally	environmental
OD	legislation: LGA, RMA, CDEM etc	environmental
OD	minimise climate change activities and effects (policies and procedures)	environmental
OD	MoE National Policy Statement & guidance on natural hazards (under devpmt)	environmental
OD	RMA - regional and district plans	environmental
OD	MPI biosecurity regulations / plans / systems (4Rs)	environmental
OD	DOC - pest control	environmental
OD	Biosecurity strategy (MPI)	environmental
OD	NZ Biodiversity strategy (DOC)	environmental
OD	Requirement to have a lead agency for recovery	environmental
OD	don't fully understand or manage impact of farming & industry on the environment	environmental
OD	regulation to promote permaculture/sustainable farming & veterinary practices	environmental
OD	NZ Coastal Policy Statement 2010	environmental
OD	Conservation Act - review and update + finance implementation	environmental
T	More government led research. Legislation rather piecemeal.	environmental
T	Land use planning	environmental
T	New Zealand Coastal Policy Statement 2010: A guide for day to day management of the coastal environment	environmental
T	10 Beautiful country! Clean, green NZ image. Passion for the environment. Clean air, water, native reserves	environmental
T	Environmental reserves eg Tiritiri Matangi, Fiordland NP, Hauraka Gulf Marine Park	environmental
T	Incredible, unique hazardscape! (Volcanoes) That has shaped NZ	environmental
T	Regional and district plans which direct growth	environmental
T	2 District and regional planning provisions for natural hazard management. Local programmes eg flood modelling, earthquake-prone building, coastal hazard risk modelling, landslide & debris flow risk management	environmental
T	Checks and balances at LTLA. Processing. Resource applications.	environmental
T	Flood monitoring and alert systems. Evacuation info for tsunami EBOP WBOP TCC. Rome RTs in regions WBOP - linked to DHB	environmental
T	4 Community response: Community groups working to protect and enhance the environment. Resource recovery centres.	environmental
T	Nuclear free NZ	environmental
W	Irrigation schemes give agricultural	environmental
W	1 Identify and mitigate natural hazards through RMA	environmental
W	Regional plans eg One Plan. Land used sustainably. Stream margins planted reducing silt contamination of waterways.	environmental
W	Sustainable development goals	environmental
W	5 Research eco system eg nat haz research platform, NSC = Evidence informed practice + policy	environmental
CHCH	2 Strong environmental sustainability movements and networks in NZ eg. Sustainable business network. Generation zero. Green party. Conscious consumers. Akira foundation.	environmental
CHCH	Environmental values are assumed to be important	environmental
CHCH	1 RMA: Effects-based planning, hazards, low likelihood, high impact, EIA processes	environmental
OD	Protective security requirements	governance

OD	need to think outside silos and find ways to share success and failures so that learnings and resources are more available	governance
OD	CDEM legislation / plan / networks of groups	governance
OD	MCDEM National exercise programme	governance
OD	NZ Cybersecurity strategy	governance
OD	NZ Geospatial R&D	governance
OD	Governance of national security system - reinvigoration of collective leadership over mgmt of national risks	governance
OD	joined up all of govt view of business continuity and critical services	governance
OD	CDEM / H&S legislation not matched to opportunities offered by better prepared, engaged and integrated communities	governance
OD	agencies not sufficiently resourced to deliver on legislation / policy	governance
OD	better cyber, border and terror security - perception NZ is safe	governance
OD	3 yr /short term election cycles - short termism and discontinuity	governance
OD	resilience does not feature in government (AOG/Exec) strategy	governance
OD	structure of governance: variety of layers and complexity (eg local / cent govt) - problematic and promotes political agendas	governance
OD	development of back up systems to protect against cyberspace failure - legislative change needed	governance
OD	centralisation = single point of failure likely	governance
OD	need balance - tendency to push things to lowest level so that national issues not given right level of consideration	governance
OD	principles based approach (rather than prescriptive policy) - less agency specific	governance
OD	ODESC framework - AOG concept	governance
OD	International connectedness	governance
OD	National risk register and quantifying it	governance
OD	national ability to share data better	governance
OD	Flexibility - adapting to changes	governance
T	Focus on resilience. Trained staff. Community involvement. Lifelines focus. Flexibility with council structures.	governance
T	Regional council hazard assessments	governance
T	2 Open data standards	governance
T	Health legislation, policy and planning. CDEM legislation/policy guidelines. CIMS. Health and safety laws/standards. Comprehensive EM. 4 Rs. Multiagency forums eg lifelines. Public consultation process.	governance
T	8 Risk management approach across various policies and plans	governance
T	1 More joint locations - connectivity eg justice precincts	governance
T	Tauranga Moana Safe City: safety promotion and injury prevention initiatives. Community-led priorities. Collaborative approach. Safe = more than physical safety, but enabling communities to feel valued, connected and secure.	governance
T	Risk and assurance. BCP+BCM. Interoperable comms centres. Standard operating procedures (SOPs) - National consistent	governance
T	Diverse/alternative governance models: social/cultural, governmental, commercial. Enabling governance: interagency forums, align strategies, shared work models	governance
T	CIMS. Building code standards. Climate change.	governance
T	Regional emergency management integration is improving (need to continue).	governance
T	Government support mechanisms for vulnerable people eg ACC, MSD	governance
T	Community boards eg Western BOP	governance
T	Disaster recovery plans. Resiliency funds. Whanau ora. 4 Rs. Revolving doors with politicians. Emergency management staffing. Relief funds. Defence forces. Red cross. salvation army. lifelines.	governance
T	17 Interagency cooperation	governance
T	5 BPS targets contributing towards community resilience	governance
T	2 Strengths in different government departments if connected would make a significant impact.	governance
T	Tauranga city council now has a community development team. Their priority necessitates developing connectedness and effective communication delivery streams at the local level	governance
T	Democracy! Local government. A voice, a vote, a say! Use it!	governance
T	Risk analysis - more is happening in this space	governance
T	Local leadership	governance
T	1 Thinking about resilience every time we do a project	governance
T	BOP and Waikato RPS natural hazards chapters	governance
T	ODESC system (DPMS). Strategic structure - foundation of national security governance and planning	governance
T	Risk management policy frameworks.	governance
T	RMS (applies to all categories) - zoning and planning reduces development in vulnerable areas. Protects land and water resources.	governance
T	Local government act. Civil defence act. Crimes act.	governance
T	Community response groups supported with website/forum. Training resources, logos, marketing materials.	governance

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T	Business continuity plans more risk adverse	governance
T	Climate change strategy (AKL council)	governance
T	1 National and local hazard knowledge (stronger and improving) + opportunities to be less variable	governance
T	2 National and local planning for future land use is improving	governance
T	2 Smart growth BOP - sub regional spatial planning. Connecting multi agencies for a resilient community	governance
T	3 Government funding	governance
T	Existing arrangements, frameworks for animal welfare and rural sector. Need to be strengthened. MPI, CDEM, RSTs.	governance
W	Smart Capital 2040	governance
W	Blue lines for tsunamis.	governance
W	CDEM does require risk reduction thinking	governance
W	Sendai framework	governance
W	2 No evaluative framework for resilience	governance
W	Lots of legislative and regulatory tools	governance
W	2 Business continuity planning. Risk and assurance.	governance
W	Legislation: RMS = risk in the RMA. CDEM Act. Building act and reforms. LGA	governance
W	Building block: Horizon regional one plan - brings in a range of legislative plans to coordinate activity throughout the region	governance
W	Building block: LTP. 30 year plans under LGNZ.	governance
W	1 Knowledge held by local councils used more proactively	governance
W	Relatively strong national balance sheet	governance
W	CDEM Act - regulations create expectations and base levels of resilience.	governance
W	High take up of insurance	governance
W		governance
CHCH	School system, especially primary schools	governance
CHCH	Health institutions - political, economic	governance
CHCH	Building codes	governance
CHCH	Good response mechanisms eg civil defence	governance
CHCH	NZ Goal framework - open access/licensing for official information	governance
CHCH	Give norm more money to do stuff!	governance
CHCH	4 Funding mechanisms need longer term commitment (political vulnerability)	governance
CHCH	1 CDEM Act provides risk based 4-Rs foundation. Gap: "Civil defence" gives it overly response connotations+meaning	governance
CHCH	4 Local govt act: currently focused on democratic process and managing infrastructure. Gap: opportunity to be holistic resilience framework	governance
CHCH	9 The 4 wellbeing live on in the CDEM act even though they are removed from the local govt act	governance
CHCH	CDEM Act (2002). Local plans/community. Group plans. National plan/guidelines	governance
CHCH	Health and safety legislation	governance
CHCH	4 Integration of emergency services	governance
CHCH	1 Ensuring sound recovery planning/involvement in peace time	governance
CHCH	Already in place: Good building codes. Transparent government. Good insurance. First world nation. Small connected population. Good education system. Social welfare system. Adaptive/responsive to issues	governance
CHCH	Building block: Elevation of CDEM in security framework MDCDEM -> DPMC	governance
CHCH	Local democracy (apart from canterbury)	governance
CHCH	RMA - positive and negative	governance
CHCH	2 National [policy statements as enablers of local decision-making	governance
CHCH	Civil defence emergency management. Legislation, plans, resources.	governance
CHCH	3 Democracy (national and local govt)	governance
OD	forward looking policy framework required for robust digital infrastructure	infrastructure
OD	how resilience is NZ's internet and communications network?	infrastructure
OD	power supply - lack of back up power supply for most homes and businesses	infrastructure
OD	councils are still approving development on swamp, rivers, cut and fill etc	infrastructure
OD	designing resilience into buildings and infrastructure	infrastructure
OD	appropriately locating buildings to land conditions (regional / district plans)	infrastructure
OD	don't rebuild /intensify in high hazard areas - national building guidance	infrastructure
OD	fully developed back up plans for vital infrastructure	infrastructure
OD	Legislation to strengthen buildings (EPB)	infrastructure
OD	Building act - safe buildings	infrastructure
OD	Establishing a national geotechnical database to better understand our land	infrastructure
OD	national geotechnical guidance modules	infrastructure
OD	built Environment leaders forum - action plan focus on resilient built environment	infrastructure
OD	Thirty year New Zealand Infrastructure plan 2018	infrastructure
OD	NZ lifelines	infrastructure
OD	reliant on some single/key infrastructure	infrastructure
OD	single point of failure - marsden point / south cross cable / cook straight cable / wiri oil terminal	infrastructure
OD	bottleneck transport routes	infrastructure
T	9 Lifelines. Asset management plans. Harness data.	infrastructure
T	NZTA transport resilience strategy. WIP (HNO/P&I).	infrastructure

T	1	Flood protection schemes and asset management	infrastructure
T		Technology: we can learn, talk, share. Social media platforms. Good cell phone range.	infrastructure
T		Hotspots projects (ALG)	infrastructure
T	1	Commercial logistics networks	infrastructure
T		Bailey bridges available from NZTA	infrastructure
T		30 year infrastructure plans	infrastructure
T		Lifeline groups	infrastructure
T		Generators: fixed and mobile	infrastructure
T	11	Thirty year New Zealand Infrastructure plan 2015. Vision: by 2045 NZ infrastructure will be resilient and co-ordinated.	infrastructure
T	1	Sustainable funding. Capacity and capability. People focus.	infrastructure
W	1	Seismic retrofit programmes for buildings	infrastructure
W		Communications: Multiple networks overlap although some interdependences	infrastructure
W		What already exists: Increasing awareness of risk and hazards; GNS	infrastructure
W		People are building resilient infrastructure eg HVDC Link eg Transmission Gully	infrastructure
CHCH		Vulnerability of road networks. Road of national importance = holiday routes out of AKL NOT roads carrying fast moving consumer goods thro' Kaikoura to Chch. Also Alpine Fault vs mountain pass routes	infrastructure
CHCH	1	In place: Resilient electricity network	infrastructure
CHCH		Treasury's national infrastructure unit	infrastructure
CHCH	1	Good understanding of infrastructure/lifeline interconnectedness and risk	infrastructure
CHCH		Lifeline orgs	infrastructure
CHCH		Lifelines	infrastructure
CHCH		NZ: Society of large dams	infrastructure
CHCH		Lifelines and cooperation	infrastructure
CHCH	3	Building human scale communities. RMA piecemeal developer led development	infrastructure
CHCH		Universities that teach resilience broadly defined. Gap: Not part of NCEA	knowledge
CHCH		Scientific data and research (benchmarking from the past to create a new future)	knowledge
CHCH		Project AF8	knowledge
CHCH	1	UDS. Greater CHCH urban development. Review/refresh.	knowledge
CHCH		Quakecore centre of research excellence	knowledge
CHCH		Good understanding of NZs natural hazards and risks	knowledge
CHCH		Resilience challenge research funding (NCS10)	knowledge
CHCH		Industry groups for collaborative learning and support (critical infrastructure). Gap: Other industry sectors	knowledge
W	7	Block: Better capture and use research and knowledge already available	other
OD		Community support NGO's	social
OD		Volunteer Groups	social
OD		Connectedness - social media information sharing	social
OD		Policy around diffusing violence in households and communities	social
OD		Policy to connect communities	social
OD		organisational leadership to promote social resilience - need common understanding and indicators	social
OD		policies across health and MBIE around anti microbial resistance	social
OD		psycho social response lessons from cant earthquakes	social
OD		MSD; safe strong and independent. MCDEM Risk understood and managed	social
OD		National Health Emergency Plan 2015	social
OD		focus/ reliance on Auckland	social
OD		Anti smacking legislation	social
OD		inadequate policy to reduce/limit inequality	social
T		Geographical family, whanau and social connections through the country	social
T		National Health Emergency Plan 2015: health and disability sector would work across/with other government agencies to respond to emergency	social
T	1	NZ health strategy (being redrafted). Aim is to improve health (but needs to have appropriate actions)	social
T	3	Social connectivity networks (eg social media groups)	social
T		Community structures: Neighbourhood watch. Maori wardens. Community gardens. Schools. Community centres	social
T	2	Accepting and living with a certain level of risk	social
T	1	Community engagement team working in and with our community	social
T		Community development plans (western bay)	social
T		Western BOP: Community response plans in some areas. Support for developing plans in other areas. Neighbourhood support groups looking at emergency preparedness.	social
T		Some communities (rural) are more res than urban communities	social
T		Network of committed volunteers	social
T	15	Promote and celebrate volunteers. We have a strong foundation with not-for-profit agencies.	social
T	1	Neighbourhood support groups that are building links of preparedness with two way communication to agencies	social
T		Access to services eg. Hospitals, education	social
T		Neighbourhood policing teams	social
T		Community emergency leaders	social
T	1	Thriving communities framework	social

T	Health and safety	social
T	2 Neighbourly	social
T	Financial assistance (social protection/safety net)	social
T	Use community-based organisations	social
T	Community response groups - western BOP	social
T	Community emergency plans - western BOP	social
T	Programme to know neighbours. Connect 4 (AKL)	social
T	6 Community led development programmes	social
T	Our neighbourhoods - local programme to develop relationships	social
T	NGOs. IWI Trusts. Governance boards. Community boards. Ratepayers associations.	social
T	Community networks 2.0 to 3.0 from: clubs, rotary, scouts/guides, neighbourhood watch - for coordinated community action/mission/vision	social
T	solid education system	social
T	diverse and connected NGO sector	social
T	People who care and are passionate about other people, where they live and how they can make the place better	social
T	community events - making it local	social
T	31 Locally owned community response plans	social
T	Community lifelines (weekly). Key contacts in each community.	social
T	Previous experience	social
T	2 Informed groups already established eg. Neighbourhood watch, rural support trusts, Dairy NZ, Rural women's network, fed farmers	social
T	1 Community led organisations and groups	social
T	The People's project - aiming to end homelessness in hamilton	social
T	1 Understanding availability of resources	social
T	4 Public education eg. Enviro schools (growing own food, climate change). Fonterra dairy record	social
T	Facilitation of community resilience through "community" developed com resilience plans is core of 5 year strategy	social
T	Community response plans - small towns - rural communities	social
T	Neighbours' Day (National)	social
T	1 Health promotion. Rheumatic fever projects. Wellbeing projects. Immunisation strategies. Alcohol and tobacco compliance. Reducing inequalities strategies.	social
W	14 Community led resilience and response planning	social
W	Exists: Ability to use social media to assist in forming working groups.	social
W	Exists: Ability to capture information, "everyone is a sensor", after an event	social
W	Community networks a strength but need regular maintenance and occasional revitalisation	social
W	20 (Triangle drawing) Top of triangle: MCDM Risk CDEM Management Framework. Middle of triangle: Community resilience. Underneath triangle: WREMO Iceberg model.	social
W	Local authorities are finding and resourcing community services programmes eg smart city	social
W	General robust nature of kiwi mentality to success.	social
W	2 Education system: creates opportunity to 'tech' educate community - 'stan'. Opportunity to start with yours	social
CHCH	Get rid of automatic garage door openers. Gap: Public private space separation	social
CHCH	5 Community based organisations - building block - volunteer spirit	social
CHCH	Building block: Cultural norm of social care (expectation of welfare, benefit, social health care)	social
CHCH	3 Strong social capital	social
CHCH	Geographical isolation from the world	social
CHCH	Community networkers meeting - Kaikoura	social
CHCH	Building block: Whanau Ora. Gap: Lack of collective understanding/ platform to progress W.O.	social
CHCH	2 Medical and social services	social
CHCH	Rural support trust	social
CHCH	Community welfare groups. Social software: eg. Neighbourly and 'selwyn gets ready	social
CHCH	Social enterprise world forum 2017 (CHCH is hosting)	social
CHCH	1 Non-profit sector is embedded in every aspect of resilience - social, infrastructure, economic, cultural, environmental. GAP: Sector's own recognition of holistic contribution and engagement with initiatives like today's	social
CHCH	Statutory legislation eg CDEM act, RMA, LGA, Building act	social
T	Transition Towns - Sustainability	
T	1 Invaluable lessons learned both national and international from disasters	

Loc	What are our current strengths in terms of policy settings for building a resilient nation?	Component	Theme
TGA	marae culture and facilities	culture	iwi
CHCH	Debate encouraged by treaty of Waitangi. Relatively remote from greatest climate threats.	culture	iwi
OD	No.8 wire mentality	culture	NZ culture
WTG	equitable and agile culture	culture	NZ culture
WTG	kiwi culture and values - fairness and helping others	culture	NZ culture
WTG	NZ-ers are a resilient people	culture	NZ culture
WTG	enthusiastic and want to do good	culture	NZ culture
WTG	can-do attitude towards adversity and recovery	culture	NZ culture
WTG	can-do attitude towards adversity and recovery	culture	NZ culture
TGA	NZ is a credible nation	culture	NZ culture
TGA	kiwi culture and values - 'can do'	culture	NZ culture
TGA	NZ culture - care about each other - sense of belonging and place	culture	NZ culture
TGA	nz culture - no. 8 wire	culture	NZ culture
TGA	NZ culture - willingness to come together	culture	NZ culture
TGA	NZ culture - fairness and equality	culture	NZ culture
TGA	NZ culture - can do	culture	NZ culture
TGA	NZ culture - no 8 wire, self sufficiency	culture	NZ culture
TGA	non class based NZ society	culture	NZ culture
TGA	NZ culture - pride / sense of belonging	culture	NZ culture
TGA	NZ culture	culture	NZ culture
TGA	NZ culture - adaptability good foundation for adopting change	culture	NZ culture
TGA	NZ culture and identity	culture	NZ culture
TGA	NZ culture sense of community	culture	NZ culture
TGA	NZ culture - can do & caring for environment	culture	NZ culture
TGA	NZ culture - no 8 wire, self sufficiency	culture	NZ culture
TGA	NZ culture	culture	NZ culture
TGA	NZ culture - no 8 wire, self sufficiency	culture	NZ culture
TGA	NZ culture - can do, collaboration	culture	NZ culture
CHCH	#8 wire mentality - adaptability/flexibility . Culture of volunteering. Nation of islands.	culture	NZ culture
CHCH	2 degrees of separation across nation. Strong can do attitude. Rural links. High volunteering.	culture	NZ culture
CHCH	Self reliance. Nation small enough to have meaningful interactions across multiple spaces. Technological adaptability. Fair play a social norm.	culture	NZ culture
CHCH	Democratic approach. Willingness. Honesty. Collective forces. Cultural acknowledgement. Emphasis on preparation.	culture	NZ culture
CHCH	Awareness. Adaptability. Action.	culture	NZ culture
CHCH	Response. No 8 wire culture.	culture	NZ culture
TGA	understand that we all need to do more to increase resilience	culture	self sufficiency
OD	open and not limiting ability to think outside the box - need to consider wide range of ideas	culture	willingness / proactive
OD	Desire to work towards resilient nation	culture	willingness / proactive
WTG	Willingness to be involved in the planning of a national disaster resilience strategy	culture	willingness / proactive
WTG	receptive to discussing resilience issues	culture	willingness / proactive
WTG	Willingness to be involved in the planning of a national disaster resilience strategy	culture	willingness / proactive
WTG	having discussions ahead of major problems	culture	willingness / proactive
WTG	motivated populations	culture	willingness / proactive
WTG	motivated populations	culture	willingness / proactive
WTG	having discussions ahead of major problems	culture	willingness / proactive
TGA	community wants to be involved	culture	willingness / proactive
TGA	agencies willing to work together	culture	willingness / proactive
TGA	willingness to do more	culture	willingness / proactive
TGA	public awareness of being ready	culture	willingness / proactive
TGA	recognition of vulnerabilities	culture	willingness / proactive
TGA	common values	culture	willingness / proactive
TGA	open to change - able to see opportunity	culture	willingness / proactive
TGA	willingness to work together	culture	willingness / proactive
TGA	willingness to work together	culture	willingness / proactive
CHCH	Willingness to participate. Strong sense of self reliance. Inclusiveness in many areas.	culture	willingness / proactive
CHCH	Willingness to develop. Major structures in place.	culture	willingness / proactive
CHCH	Community based orgs and volunteers. Willingness. Small dynamic nation. Good education and info base.	culture	willingness / proactive
CHCH	Political will and buy-in to resilience. Contemporary and global case studies to learn from.	culture	willingness / proactive
CHCH	Discussions are happening. Buy in from an ethos perspective. Strong intent.	culture	willingness / proactive
CHCH	Awareness. Willingness to discuss. Innovation.	culture	willingness / proactive
CHCH	Can-do ethos. Communities are innovative.	culture	willingness / proactive
CHCH	Willingness to collaborate. Wealth of knowledge and expertise. Growing community understanding.	culture	willingness / proactive
CHCH	Awareness and appetite for action. Past research and action.	culture	willingness / proactive
WTG	awareness of the true cost of recovery (post chch)	economic	
WTG	EQC / strong insurance market	economic	
OD	Environmental conservation policy - moving towards better foresight/planning in primary industry	environmental	risk reduction statutes
WTG	realising that the environment is our biggest asset and is under threat	environmental	
TGA	abundant renewable resources	environmental	
TGA	environmental consciousness	environmental	
OD	PSR 10 & CDEM - both look at interface of BCP and IT Disaster recovery	governance	BCM
WTG	modern BCM thinking	governance	BCM
TGA	expectation of business continuity / emergency managements	governance	BCM
OD	strong agencies that care about response and recovery	governance	CDEM
OD	use of existing government forums	governance	collaborative planning
OD	beginning to look at things from a national perspective - AOG initiatives	governance	collaborative planning
OD	desire for agencies to work together	governance	collaborative planning
OD	good networks	governance	collaborative planning
OD	good levels of cooperation between agencies for sector outcomes	governance	collaborative planning
OD	willingness to explore collaboration and diff governance structures	governance	collaborative planning
OD	cross agency engagement	governance	collaborative planning
WTG	discussing the issues and trying to solve them	governance	collaborative planning
WTG	governance frameworks - could be used better to connect national and local planning	governance	collaborative planning

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WTG	understanding of the incentives to do it	governance	collaborative planning
WTG	cooperative regions	governance	collaborative planning
TGA	collaborative planning	governance	collaborative planning
TGA	collaborative planning	governance	collaborative planning
TGA	collaborative planning	governance	collaborative planning
TGA	collaborative planning	governance	collaborative planning
TGA	collaborative planning	governance	collaborative planning
TGA	collaborative operational plans	governance	collaborative planning
TGA	collaborative planning	governance	collaborative planning
CHCH	Talking about resilience across disciplines and sectors.	governance	collaborative planning
CHCH	CDEM resilience fund. Partner agencies.	governance	collaborative planning
CHCH	CEG ideally placed to lead resilient thinking. Regional hazard management strategy as a first step.	governance	collaborative planning
CHCH	Focus and structured approach at regional level. Good direction/policy from Central Government. Awareness - "just get through".	governance	collaborative planning
WTG	Mutual commitment & understanding the need to improve and secure the future	governance	commitment
TGA	reasonable land use planning tools	governance	development
WTG	existing programmes of work	governance	existing work programmes
WTG	strong in EM so when we don't get it right we can still fix it	governance	existing work programmes
WTG	existing network of Civil Defence agencies and connectedness with the regions	governance	existing work programmes
TGA	good CDEM Structure	governance	existing work programmes
TGA	Emergency Management structure	governance	existing work programmes
TGA	existing frameworks that promote resilient communities	governance	existing work programmes
TGA	existign CDEM arrangements	governance	existing work programmes
TGA	awareness of CDEM	governance	existing work programmes
TGA	good CDEM Structure	governance	existing work programmes
TGA	Emergency services focus on 'prevention first'	governance	existing work programmes
TGA	emergency planning	governance	existing work programmes
CHCH	Strong government model, emergency response orgs, social services, education, adaptable people, good infrastructure.	governance	existing work programmes
CHCH	Resource dedicated to resilience.	governance	existing work programmes
CHCH	Response and readiness. CDEM is working.	governance	existing work programmes
CHCH	Lots of good people doing good work.	governance	existing work programmes
OD	adaptable and responsive government system	governance	government system
OD	international connections good in specialist areas (good international reputation)	governance	international
OD	good international relationships	governance	international
OD	TPPA - starting to think globally	governance	international
WTG	sendai framework focus	governance	international
WTG	international framework (eg Sendai)	governance	international
WTG	international framework (eg Sendai) - and developing an NZ strategy	governance	international
WTG	international frameworks / connections	governance	international
TGA	international partnerships	governance	international
WTG	MCDEM leadership - esp in engaging young people / schools / preschools	governance	leadership
OD	leadership and commitment	governance	leadership
WTG	MCDEM leadership	governance	leadership
WTG	single government agency - MCDEM	governance	leadership
WTG	single government agency - MCDEM to lead the strategy	governance	leadership
WTG	expert knowledge to assist in building a resilient nation	governance	leadership
TGA	strong leaderships, vision and goals - shared values	governance	leadership
CHCH	MCDEM's review of plan, guide, guidelines.	governance	leadership
TGA	having a future focus (30 years out)	governance	long term focus
OD	strong non corrupt public institutions	governance	low corruption / high trust
OD	high trust population	governance	low corruption / high trust
OD	Democracy	governance	low corruption / high trust
OD	Freedom of speech and access to politicians / officials	governance	low corruption / high trust
OD	low levels of corruption	governance	low corruption / high trust
WTG	first world economy / stable parliamentary & judiciary system (peace)	governance	low corruption / high trust
WTG	low levels of corruption	governance	low corruption / high trust
TGA	MMP election process gives us a voice	governance	low corruption / high trust
TGA	strong democratic governance structure	governance	low corruption / high trust
TGA	civil society based on rule of law	governance	low corruption / high trust
TGA	stable political system	governance	low corruption / high trust
CHCH	Wealth, building standards, economy, healthcare, education, lack of corruption, fair justice, adaptable.	governance	low corruption / high trust
CHCH	"First World" nation.	governance	low corruption / high trust
OD	Living standards framework	governance	monitoring
TGA	strong business community	governance	private sector
OD	good local relationships	governance	relationships
OD	CDEM Act / plans / strategy	governance	risk reduction
OD	Building Act / RMA	governance	statutes

OD	robust regulatory frameworks	governance	risk reduction statutes
OD	use of environmental, infrastructural, governance policies provide baseline protections to known risks	governance	risk reduction statutes
OD	quantity of policies / strategies	governance	risk reduction statutes
OD	Agency strategies contributing towards resilience	governance	risk reduction statutes
OD	National risk register development	governance	risk reduction statutes
OD	national approach to most policy matters (rather than regional or local)	governance	risk reduction statutes
OD	Existing frameworks in range of subjects	governance	risk reduction statutes
OD	variety of national plans (eg National CDEM Plan)	governance	risk reduction statutes
OD	Strong legislation (H&S, anti smoking, anti smacking)	governance	risk reduction statutes
OD	comprehensive social welfare to mitigate social impacts	governance	risk reduction statutes
OD	border agencies manage crime/biosecurity threats well	governance	risk reduction statutes
WTG	legislation with a risk reduction context	governance	risk reduction statutes
WTG	adequate tools (4R's) - just need to stop focusing on the response R	governance	risk reduction statutes
WTG	legislation with a risk reduction context	governance	risk reduction statutes
WTG	legislation with a risk reduction context	governance	risk reduction statutes
WTG	legislation with a risk reduction context - esp CDEM Act	governance	risk reduction statutes
WTG	legislation with a risk reduction context - esp CDEM Act	governance	risk reduction statutes
WTG	existing CDEM Framework	governance	risk reduction statutes
WTG	legislation with a risk reduction context	governance	risk reduction statutes
WTG	legislation with a risk reduction context	governance	risk reduction statutes
WTG	legislation with a risk reduction context	governance	risk reduction statutes
WTG	legislation with a risk reduction context	governance	risk reduction statutes
TGA	national frameworks of legislation / governance for CDEM	governance	risk reduction statutes
TGA	legislation with a risk reduction context	governance	risk reduction statutes
TGA	legislation with a risk reduction context	governance	risk reduction statutes
TGA	legislation with a risk reduction context	governance	risk reduction statutes
TGA	regulatory tools	governance	risk reduction statutes
TGA	improved controls through legislation and policy	governance	risk reduction statutes
TGA	legislation with a risk reduction context	governance	risk reduction statutes
TGA	robust building code and engineering standards	governance	risk reduction statutes
TGA	legislation with a risk reduction context	governance	risk reduction statutes
CHCH	Statutory legislation. Volunteering groups. Manpower committed to EM.	governance	risk reduction statutes
CHCH	CDEM, building code. Increasing discussion of community support/coordination.	governance	risk reduction statutes
CHCH	Excellent world leaders manning legislation in the RMA. Transparent judicial processes, low corruption. Well educated, affluent society. Strong rural/outdoor culture. Egalitarian ethos.	governance	risk reduction statutes
CHCH	Fit or purpose act. Strong social/community links.	governance	risk reduction statutes
CHCH	Good legislative framework.	governance	risk reduction statutes
CHCH	Strong statutory framework. Good governance structures. 1st world infrastructure.	governance	risk reduction statutes
OD	Government able to intervene where required	governance	risk reduction statutes
TGA	risk focus	infrastructure	risk focus
OD	gaining better info on the quality of local infrastructure e.g three waters assets	infrastructure	risk focus
OD	building code	infrastructure	risk focus
OD	lifecycle groups that link different sectors/assess vulnerabilities and seek to close the gaps	infrastructure	risk focus
WTG	starting conversations with independent infrastructure providers (3 waters, roading, electricity)	infrastructure	risk focus
WTG	existence of lifecycle groups	infrastructure	risk focus
WTG	good infrastructure / communications	infrastructure	risk focus
WTG	infrastructure preparedness	infrastructure	risk focus
TGA	utility and government coordination through lifelines	infrastructure	risk focus
TGA	strong infrastructure relationships	infrastructure	risk focus
TGA	improved approaches to asset management	infrastructure	risk focus
TGA	infrastructure preparedness - 30 yr infrastructure strategies & comprehensive AMPs	infrastructure	risk focus
WTG	information base / trends support anticipating some of the issues	knowledge / exper data	risk focus
WTG	well educated population - resourceful and open to ideas	knowledge / exper education	risk focus
WTG	educated people	knowledge / exper education	risk focus
WTG	having discussions ahead of major problems - with lots of diff groups	knowledge / exper education	risk focus
TGA	strong education system	knowledge / exper education	risk focus
TGA	high levels of education	knowledge / exper education	risk focus
TGA	employment and education	knowledge / exper education	risk focus
TGA	information / data / technology i.e. lidar, GIS, shared networks	knowledge / exper information sharing	risk focus
CHCH	Information sharing.	knowledge / exper information sharing	risk focus
OD	recent experience with natural disasters - momentum & permission to change things	knowledge / exper recent experience	risk focus
OD	NZ small, agile and motivated following recent emergencies	knowledge / exper recent experience	risk focus
WTG	recent experience with natural disasters - momentum & permission to change things	knowledge / exper recent experience	risk focus
WTG	recent experience with natural disasters - momentum & permission to change things	knowledge / exper recent experience	risk focus
WTG	recent experience with natural disasters - momentum & permission to change things	knowledge / exper recent experience	risk focus
WTG	recent experience with natural disasters - momentum & permission to change things	knowledge / exper recent experience	risk focus
WTG	recent experience with natural disasters - momentum & permission to change things	knowledge / exper recent experience	risk focus
WTG	expert knowledge to assist in building a resilient nation	knowledge / exper recent experience	risk focus
WTG	expert knowledge to assist in building a resilient nation	knowledge / exper recent experience	risk focus
WTG	recent experience with natural disasters - momentum & permission to change things	knowledge / exper recent experience	risk focus
WTG	recent experience with natural disasters	knowledge / exper recent experience	risk focus
WTG	recent experience with natural disasters - new skills	knowledge / exper recent experience	risk focus

TGA	recent experience with natural disasters	knowledge / exper	experience
TGA	recent experience with natural disasters	knowledge / exper	recent experience
TGA	disciplined workforce that is well trained and proven (CDEM)	knowledge / exper	recent experience
TGA	well trained staff (CDEM)	knowledge / exper	recent experience
TGA	recent events reinforce the need	knowledge / exper	recent experience
TGA	recent experience with natural disasters	knowledge / exper	recent experience
TGA	recent experience with natural disasters	knowledge / exper	recent experience
CHCH	Recent major event and experiences to learn from.	knowledge / exper	recent experience
TGA	understanding of natural hazards	knowledge / exper	research
OD	excellent research community	knowledge / exper	research
WTG	strong knowledge base	knowledge / exper	research
WTG	knowledge and understanding of the hazards we face	knowledge / exper	research
WTG	good links with resilience research	knowledge / exper	research
TGA	understanding of natural hazards	knowledge / exper	research
TGA	good understanding of hazards	knowledge / exper	research
TGA	science and evidence based policy making	knowledge / exper	research
TGA	better information supports decision making (eg coastal inundation/data mapping)	knowledge / exper	research
TGA	improving awareness / knowledge of hazards	knowledge / exper	research
CHCH	Increase in research funding. Awareness. Population has a certain level of inbuilt resilience.	knowledge / exper	research
WTG	information base / trends support anticipating some of the issues	knowledge / exper	risk focus
WTG	understanding of hazards	knowledge / exper	risk focus
WTG	acceptance of natural hazards	knowledge / exper	risk focus
WTG	acknowledgement of the issues	knowledge / exper	risk focus
WTG	awareness at local, regional and nat govt levels	knowledge / exper	risk focus
WTG	understanding of natural hazards	knowledge / exper	risk focus
WTG	understanding complexities across diff environments (social, infrast, ec, env etc)	knowledge / exper	risk focus
WTG	awareness of hazards, shocks and stresses in generally high	knowledge / exper	risk focus
TGA	shift in perception of EM from dads army perspective	knowledge / exper	risk focus
TGA	greater awareness of risks across agencies and communities	knowledge / exper	risk focus
TGA	better hazard mapping / land use - move to a risk managemtn approach	knowledge / exper	risk focus
TGA	relative wealth / tech savvy / mobility of the population	knowledge / exper	technology
TGA	use of social media	knowledge / exper	technology
TGA	use of technology (but need alternative power back ups)	knowledge / exper	technology
TGA	good internet connectivity	knowledge / exper	technology
OD	well educated popultion	social	community
OD	good engagement with communities	social	community
OD	communities want to be included / involved	social	community
WTG	Strong communities and institutions	social	community
WTG	Strong communities and institutions	social	community
WTG	we talk to our neighbours	social	community
WTG	connected communities	social	community
WTG	strong and resilient communities	social	community
WTG	strong communities	social	community
WTG	strong communities	social	community
WTG	community resilience building is a core function	social	community
WTG	community connectedness	social	community
TGA	community involvement / volunteers	social	community
TGA	communities can develop solutions with assistance from local government	social	community
TGA	community / social networks	social	community
TGA	diverse NGO and community sector	social	community
TGA	communities working together	social	community
TGA	community networks	social	community
TGA	community	social	community
TGA	strong community networks	social	community
TGA	existing networks (people communities etc) but not being used to build resilience	social	community
TGA	community volunteers	social	community
TGA	community awareness and engagement	social	community
TGA	neighbourhood policing teams	social	community
TGA	focus on individuals and families	social	community
TGA	Community Network Coalition - supporting strategic direction	social	community
TGA	strong communities	social	community
CHCH	Community adaptability. Strong resilience rhetoric and intent.	social	community
CHCH	Connected communities.	social	community
CHCH	Support for development of resilient communities.	social	community
CHCH	Adaptable and multicultural population. Inclusive communities. Recent experience to learn from.	social	community
TGA	solid health and education systems	social	health
OD	treaty of waitangi	social	iwi
OD	iwi structures	social	Iwi
OD	small population spread throughout many places	social	NZ small size
OD	Small size - should be able to have an NZ Inc. approach	social	NZ small size
OD	nz small size allows for better connections	social	NZ small size
WTG	Small size - should be able to have an NZ Inc. approach	social	NZ small size
WTG	Small size - should be able to have an NZ Inc. approach	social	NZ small size
WTG	Small size - should be able to have an NZ Inc. approach	social	NZ small size
TGA	Small size - should be able to have an NZ Inc. approach	social	NZ small size
TGA	Small size - should be able to have an NZ Inc. approach	social	NZ small size
TGA	Small size - should be able to have an NZ Inc. approach	social	NZ small size
TGA	nz small size allows for better connections	social	NZ small size
CHCH	Small country - fairly simple governance structures.	social	NZ small size
CHCH	Small population. One government level. Recent events keeping awareness alive.	social	NZ small size
CHCH	Parochialism and isolation.	social	NZ small size
CHCH	Buildings act. Standard of living. Small country. Attractive place to immigrate.	social	NZ small size
WTG	strong volunteer / community base	social	volunteers
TGA	community involvement / volunteers	social	volunteers
TGA	volunteering	social	volunteers
TGA	volunteering	social	volunteers
TGA	volunteering	social	volunteers
WTG	engaging young people	social	youth
WTG	emergent leaderships from young people	social	youth
OD	linking building blocks across agencies / government / society	strategy	resilience
OD	use building blocks to move forward (people, frameworks)	strategy	resilience
WTG	growing awareness of the importance of resilience	strategy	resilience
WTG	basic building blocks in place	strategy	resilience
TGA	have good understanding of resilience components	strategy	resilience
TGA	understanding of need for resilience	strategy	resilience

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loc	#	Building Blocks - GAPS	comp
W	1	Building block: We are talking about resilience. Gap: Are we talking about it in our communities? How is it meaningful to them? How could it be a cultural change?	cultural
W		Govt's lack of recognition of diversity in NZ ie some people living at "life 1-0" eg Maori	cultural
CHCH	3	Cultural intelligence (respect and understanding if others)	cultural
CHCH	3	Emphasis on Vision Maturanga has been limited	cultural
CHCH		Diversity of NZ's cultures and cultural landscape. GAP: To be integrated into resilience.	cultural
CHCH		Processes of acculturating new New Zealanders to our environment and social processes	cultural
CHCH	1	We don't have a strong culture of learning in many industries in NZ (as MCDEM has identified); also framed in a personal perspective in that we tend to use knowledge and resources we already have experience with	cultural
W	2	Diversity in economy is a gap. Reliant on agriculture and tourism.	economic
W	18	Resilience not a criteria in current investment and funding models	economic
W		Building code des not deal with economic "safety"	economic
CHCH	3	Country has an appetite for resilience but not the willingness to spend more to achieve it	economic
CHCH		Simpler processing and more resources for business continuity	economic
CHCH	13	Market failure. Neoliberalism may not be the answer	economic
CHCH		Ability to move beyond national economic dependence on old/outdated systems (eg. Lines companies, SOEs)	economic
CHCH	14	Incorporating resilience into economic decision making	economic
CHCH		Social capital mechanisms cement the economy. GAP: No effort to quantify this contribution.	economic
CHCH		No legislature to encourage businesses to bounce back eg. Business owners not allowed into CBD after eq	economic
CHCH		Tax policies that promote income equality	economic
CHCH		Reduce reliance upon agricultural efforts	economic
CHCH		Chronic underinsurance (following CHCH earthquake)	economic
W		Environmental connectedness - Building block: Data & info available re env damage and wider impacts. GAP: Lack joined up approach to health - env - economy initiatives to lead multi-benefit projects	environmental
W		Need rolling programmes to: maintain awareness. Dredge constricted rivers. Keep storm grates clear etc	environmental
W		Building block: Great initiatives in network resilience. GAP: How are they coordinated to achieve a bigger/greater outcome.	environmental
CHCH	3	Appreciation and definition of 'environment' should be considerably more inclusive and holistic	environmental
CHCH	3	Unsustainable water use and nutrient loading	environmental
CHCH	1	Toothless MFE	environmental
CHCH	2	Inter-regional learning/knowledge transfer from environmental challenges (eg drought)	environmental
W		Earthquake-prone building amendment act (only the minimum)	governance
W	1	Not a single unified legislation for risk reduction or resilience	governance
W	3	National policy on resilience. Regulations for what is required. Construction. Cell phone network-survivability. Home preparedness. Community engagement. Work place engagement. Education in schools.	governance
W		Legislation in place in some places for rainwater tanks. Incentives for solar energy.	governance
W		A clear definition of resilience and agreed measurable indicators	governance
W		Pre-empted, pre-thought out and planned rebuild plans.	governance
W		Some local authorities have resilience strategies in place but most don't.	governance
W	6	Lack of alignment between and within a national-regional-local policy, tools and planning.	governance
W	1	Regulation does not include funding reliance	governance
W		Lack of awareness of Sendai Framework and how to apply it practically	governance
W	1	Nationally consistent means to undertake risk assessments at a local level - (comparable risk assessment)	governance

W	5	Governance/joint committee should provide more leadership	governance
W		RMA: Enabler: Encourages community connection. Resilient env provision. GAP: Not flexible to change.	governance
W	4	No unified understanding of what resilience is and looks like	governance
W	6	Resilience as a leadership core competence	governance
W	1	Funding; private property/ownership resisting implications of planning changes - strengthening requirements based on \$\$\$ - "I can't afford new rules".	governance
W		Better enforcement of knowledge of hazards in relation to spatial planning	governance
W		Effective use of legislation	governance
W		No framework or guidelines on resilience planning	governance
W	1	Lack of recovery focus eg. Desired outcomes related to social needs. (Resilience for what purpose?).	governance
W	1	10 years before risk info is turned in to council district plans	governance
W		Joined up regulatory approach	governance
W	18	OCDEM/Resilience building can be boring old load of waz. Need to make it fun, cool, more relevant.	governance
W		Localised and regionalised approaches are fragmented	governance
CHCH		Dealing with an expanding tourism industry	governance
CHCH	3	Too many organisations lead to massive increase in planning complexity (network effect). Aka too much govt for 4.5m people	governance
CHCH		Structures to bring together and encourage participation: national, regional, local, sectors, private, non govt, people	governance
CHCH	1	Funding across govt departments for translation and interpreting services pre+post disaster	governance
CHCH	7	Fractured nature of CDEM nationwide need "Team NZ"!	governance
CHCH		This should not be called civil defence strategy as opposed to NZ Inc Resilience Strategy	governance
CHCH	3	Need a stronger central role for risk reduction	governance
CHCH		Lack of capacity development and training for CDEM recovery messages.	governance
CHCH	1	Willingness to make hard decisions in a 3 year election cycle - agenda setting	governance
CHCH		Less pressure from central govt on compliance. More direction on financial support	governance
CHCH		Currently no 'national resilience strategy'	governance
CHCH	1	Wellness and community in local government act	governance
CHCH	8	Coordination of legislation CDEM, LGA, RMA related acts that don't work together as much as they could (eg differences in definition)	governance
W	4	Resilience audit for infrastructure owners	infrastructure
W	3	Use of information based on science and turning it into regulations or not used in decision making	infrastructure
W	1	Need a flyover in the Basin Reserve	infrastructure
W	1	Increasing vulnerability to cyber attacks while technological dependence increases.	infrastructure
W	15	Understanding of infrastructure vulnerability	infrastructure
W		Simplified systems: Who do you call when things break - power/comms. One number? for loss of all services.	infrastructure
W	4	Fragile supply chain for food distribution + fuel and other commodity goods.	infrastructure
CHCH	5	Aging/obsolescent infrastructure	infrastructure
CHCH		Reinvestment in infrastructure (lack of resources and commitment)	infrastructure
CHCH		\$ from government to support compliance with building codes	infrastructure
CHCH	2	Funding by central government to fund local government for resources and infrastructure	infrastructure
CHCH		Lack of understanding of actual infrastructure capacity	infrastructure
CHCH	14	Clear integration between research, policy and implementation	knowledge
CHCH	1	Create nationwide infra-structure or system to provide relevant info relating to a specific disaster in a range of languages via a range of media	knowledge
CHCH	1	Technological challenges: Access, funding, leadership (ie red cross, APP)	knowledge
CHCH	9	Equity of access to information: Ethnicity, literacy, socioeconomic, age, disability	knowledge

CHCH	2	Consistence: eg. National messaging of public information. Eg. CDEM APP/Red Cross APP - mode of messaging	knowledge
W	4	Pathways for users to feed into sciences (pathways for co-creation)	knowledge
W	7	Opportunities to share, use and analyse data to measure outcomes aren't being fully utilised	knowledge
W	2	Trained professionals who understand how to develop resilience. Eg at national or local levels	knowledge
W		Risk management and resilience missing in many RMA plans	knowledge
W	1	Inconsistencies and inability to compare hazard and risk models - to support resilience	knowledge
W		Lessons from research not trickling down to users	knowledge
W		Need for improved forecasting or acceptance of uncertainty	knowledge
W	3	Mental health services to improve resiliency in individuals	social
W		Community resilience through "It's your plan" WREMO	social
W		Improve access to data and information	social
W	2	Not all communities are strong	social
W		Different expectations and inherent resilience (attitude and culture) between urban and rural communities. Eg. Farmers vs city-dwellers	social
W	3	Unofficial capacity of communities/volunteers. Quick way of capturing and enhancing this valuable asset.	social
W		Lack of interest from community/residents. Public education and knowledge undervalued.	social
W	2	Increasing dependencies on healthcare system: -obesity epidemic - ageing population - increased and difference disease through climate change	social
W		Emergency planning at grass-roots community level across all 4Rs. GAP: Inconsistent levels of engagement, willingness to work and ownership of communities.	social
W	1	Resilience too narrow a term - Health and wellbeing	social
W	1	Inadequate social welfare for disasters.	social
CHCH		Tourism gaps: Who's in the country? Whereabouts? How many? How will we know when a disaster hits?	social
CHCH	2	Lack of appreciation for the complexities of the health sector	social
CHCH		Health infrastructure is running down - needs capital investment	social
CHCH	5	Nature of volunteering is changing - spontaneous/demographic	social
CHCH		Stigmatisation of convergent volunteers	social
CHCH	8	Need for 21st century education programmes	social

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Loc	What else do we need to add in order to build a truly resilient nation over the next decade?	Component	Theme
TGA	understand connectivity - who is on social media	cultural	connections
CHCH	Strong communications plan. Strengthen capacity of community access radio to communicate CDEM messages to communities.	cultural	connections
CHCH	Communication as key. Avoid comms downtime.	cultural	connections
TGA	make diversity a strength	cultural	diversity
OD	address social health and education inequalities	cultural	inequality
OD	improve minimum standards for housing stock - that benefit health of occupants not just building strength	cultural	inequality
OD	develop a more inclusive society - less social and economic disparity	cultural	inequality
OD	do more to address social diseases (drug / alcohol / gambling)	cultural	inequality
OD	recognition that healthy, educated, employed people are the foundation of resilience at all levels	cultural	inequality
OD	promote a more inclusive social environment - less me and more us	cultural	inequality
WTG	enhance individual and community standards of living (housing, poverty)	cultural	inequality
TGA	reduce inequality	cultural	inequality
TGA	promote employment to reduce benefit dependency	cultural	inequality
TGA	minimum standards of living	cultural	inequality
CHCH	reduce inequality. Greater resource development in climate science, adaptation, managed retreat from seashore.	cultural	inequality
CHCH	Ensure basic needs are met in all levels of society.	cultural	inequality
CHCH	Social equality. Collective responsibility. Governance + legislation outside CDEM act. Living wage. Free education.	cultural	inequality
OD	listen to maori more with regard to kaiteiaki/governance of natural resources. Iwi based governance	cultural	iwi
TGA	understand and learn from Te Ao Maori	cultural	iwi
TGA	build on our national identity / culture	cultural	NZ culture
TGA	sense of identity	cultural	NZ culture
TGA	tap into unique NZ culture	cultural	NZ culture
TGA	build a culture of resilience	cultural	NZ culture
TGA	nz culture - no 8 wire	cultural	NZ culture
OD	more effective support for community and household level resilience	cultural	self sufficiency
OD	decentralisation - encourage kiwi ingenuity - local food/energy/employment	cultural	self sufficiency
OD	diversify our self sufficiency mindset to a community one	cultural	self sufficiency
OD	become more self sufficient as a nation and in our communities	cultural	self sufficiency
OD	focus on making individuals more resilient	cultural	self sufficiency
WTG	better personal preparedness	cultural	self sufficiency
WTG	self sufficiency - people taking responsibility for themselves	cultural	self sufficiency
WTG	self sufficiency - people taking responsibility for themselves	cultural	self sufficiency
WTG	more self sufficiency and renewable energy	cultural	self sufficiency
WTG	personal responsibility	cultural	self sufficiency
TGA	promote community self reliance	cultural	self sufficiency
TGA	less dependency	cultural	self sufficiency
TGA	local first - individual self sufficiency	cultural	self sufficiency
TGA	build personal and community resilience - also economic resilience	cultural	self sufficiency
TGA	bring back self and community responsibility	cultural	self sufficiency
OD	resilience needs to be valued by society	cultural	willingness / proactive
WTG	cultural and behavioural change - sustainable for the next generation	cultural	willingness / proactive
WTG	link resilience to economic growth	economic	
WTG	reform the insurance industry so it works better for people when disaster happens	economic	
WTG	diversify population and economy - grow regional centres	economic	
TGA	understanding the economies of resilience and providing mechanisms to encourage investment in resilience	economic	
CHCH	Broad economic base. Broad social policies.	economic	
OD	acknowledge our location globally & the value it has for tourism - need strategy to better manage our environment	environment	
TGA	food and water security	environment	
TGA	celebrate spiritual connectedness to the land	environment	
OD	national BCM - better preparedness	governance	BCM

TGA	contingencies and flexibility to adapt	governance	BCM
OD	ensure policy pieces are more coordinated, known by different agencies - leverage off each other work	governance	collaborative planning
OD	better integration between policy and implementation - seamless transition rather than silos	governance	collaborative planning
OD	whole of government strategic approach to resilience	governance	collaborative planning
OD	connectedness of the strategies	governance	collaborative planning
OD	revisit governance policy setting - too devolved and fragmented	governance	collaborative planning
OD	ensure initiatives include communities, the private and public sectors - all moving together	governance	collaborative planning
OD	greater connectedness between people and work that builds resilience	governance	collaborative planning
OD	more joined up across NZ (auckland to bluff)	governance	collaborative planning
OD	better understanding of disaster consequences more interagency communication / collaboration	governance	collaborative planning
OD	not really about adding more - more about removing the complicatedness	governance	collaborative planning
WTG	better recovery planning	governance	collaborative planning
WTG	better alignment and sharing of resource between central and local government	governance	collaborative planning
WTG	better links between existing legislation and programmes	governance	collaborative planning
WTG	coordination across agencies	governance	collaborative planning
WTG	joined up approach across governance	governance	collaborative planning
WTG	identify the role agencies should play in alternative futures	governance	collaborative planning
TGA	take a joint top down and bottom up approach	governance	collaborative planning
TGA	bring it all together for a common purpose	governance	collaborative planning
TGA	design models with understanding of competing priorities	governance	collaborative planning
TGA	collaborative approach, info sharing, inter departmental	governance	collaborative planning
TGA	stronger involvement from govt agencies - ie MCDEM/MBIE lead comprehensive hazard assessments nationally	governance	collaborative planning
TGA	open communications (e.g local and central govt)	governance	collaborative planning
TGA	integration across sectors	governance	collaborative planning
TGA	coordination across agencies	governance	collaborative planning
TGA	collaborative planning	governance	collaborative planning
TGA	interagency cooperation	governance	collaborative planning
TGA	greater community connectedness / collaboration	governance	collaborative planning
TGA	updated tested robust plans	governance	collaborative planning
CHCH	Better community engagement. More trust in government. More business continuity planning. More connection between scientists, planners, implementers and community. Make it pay to work towards connectedness between sectors. Connect legislation and close gaps.	governance	collaborative planning
CHCH	Communities having greater access to authoritative bodies.	governance	collaborative planning

CHCH	Community collaboration. Engagement across cultures, age groups, backgrounds. Encouragement and support of volunteers. Emphasis on mitigation. Across sector/community learning.	governance	collaborative planning
CHCH	Better integration across sectors. Efforts to inform and develop community capacity.	governance	collaborative planning
TGA	greater support from politicians regarding hazard planning controls	governance	commitment
OD	RMA reform - think more strategically and smartly about land use	governance	development
OD	stop poor land use decisions - don't create new risk through coastal / swamp development	governance	development
WTG	landuse planning - red zoning hazardous land - mitigation and risk reduction is not enough - need prevention	governance	development
WTG	modify RMA to include risk rather than hazards with focus on consequence not likelihood	governance	development
TGA	identify areas suitable for development rather than focussing on no go areas	governance	development
TGA	provide resources and funding to enable CDEM capability to be maintained and lifted	governance	existing work programmes
TGA	govt funding of a 24/7/365 EOC	governance	existing work programmes
CHCH	Continuity of CDEM message mode. Coordination of emergency services. Need for 21st century education programmes.	governance	existing work programmes
OD	address resourcing constraints - also capability / capacity	governance	implementation
OD	share resources so all agencies and sectors can leverage progress	governance	implementation
OD	universal schemes ie insulation model to be applied to rainwater tanks	governance	implementation
WTG	more resources for the strategy and its implementation	governance	implementation
WTG	funding	governance	implementation
WTG	more "how" we embed the legislation	governance	implementation
WTG	focus on operationalising resilience (eg training, comms, community based activities)	governance	implementation
WTG	operationalisation - practical tools for practitioners and community	governance	implementation
TGA	continue to build on capability and capacity	governance	implementation
TGA	more consistency across resources and planning	governance	implementation
TGA	more interactive activities / information on line	governance	implementation
TGA	sustainable funding	governance	implementation
TGA	funding and investment in regularly changing infrastructure	governance	implementation
OD	look at policies in a global context - everything is interconnected	governance	international
OD	international connectedness and learning - learn from overseas on what works in resilience policies	governance	international
OD	consideration of global supply chain - just in time supply	governance	international
OD	leadership and fellowship - doing the right things	governance	leadership
OD	commitment and leadership at highest political levels	governance	leadership
WTG	strong leadership, direction and national buy in to the process	governance	leadership
WTG	strong leadership, direction and national buy in to the process	governance	leadership
WTG	strong leadership, direction and national buy in to the process	governance	leadership
WTG	rename CDEM Act to National Resilience Act and MCDEM to Disaster Resilience Agency	governance	leadership
WTG	strong leadership, direction - awareness, acceptance, preparedness	governance	leadership
TGA	need to review CDEM national statute	governance	leadership
TGA	explore / revisit issues of sovereignty	governance	leadership
TGA	stronger leadership from MCDEM - create greater connectivity	governance	leadership
TGA	good /effective leadership across all relevant sectors	governance	leadership
TGA	get rid of "civil defence" - its an old term with little relevance today - rebrand emergency management	governance	leadership
TGA	coordinated high level leadership and governance	governance	leadership
TGA	political desire to make tough development decisions	governance	leadership
CHCH	Clearer vision of nation as independent, resilient, sustainable, global citizen.	governance	leadership
CHCH	Leadership. Greater guidance.	governance	leadership
CHCH	Be brave. Look at underlying structures/legislation/norms. Be creative/bold/transformational. Keep pushing forward and bringing in new perspectives. Acknowledge that adaptation could be painful.	governance	leadership
CHCH	Political investment in infrastructure and resiliency building approaches. Equity building across communities.	governance	leadership
CHCH	Increased political will in implementation and sustaining plans.	governance	leadership

WHAT ELSE DO WE NEED?

CHCH	National direction towards risk reduction rather than leaving to local govt. Greater focus on risks.	governance	leadership
CHCH	Strengthen egalitarian ethos - leaders and celebrities. Compulsory service 1 week/year to include upskilling. Higher quality media.	governance	leadership
CHCH	Compelling, collective narrative - vision for NZ.	governance	leadership
CHCH	Common sense of unity and direction. Positive management of media influence.	governance	leadership
CHCH	understand and communicate nature of resilience, the need for a cohesive community and effective leadership	governance	leadership
OD	planning for intergenerational resilience not just short term-ism	governance	long term focus
OD	long term horizontal strategies/ cross sectoral strategies	governance	long term focus
OD	long term view rather than short term fix	governance	long term focus
OD	need long term views rather than for their political term	governance	long term focus
TGA	central govt agencies need stronger focus on long term planning	governance	long term focus
CHCH	Aknowledge balance needed in economy/society/environment. Do not prioritise short term economic savings over long term risk. Build strong infrastructure and systems. Be holistic. Prevention costs less than cure.	governance	long term focus
CHCH	Think long term. Start integrating all legislation and agencies.	governance	long term focus
CHCH	Better education. Consistent long term thinking/finding. More integrated CDEM organisation.	governance	long term focus
OD	build trust and empowerment	governance	low corruptio / high trust
OD	increased coordination of governance levels - community boards / territorial authorities/ central govt	governance	low corruptio / high trust
TGA	transparent decision making	governance	low corruptio / high trust
TGA	continue to build trust and confidence	governance	low corruptio / high trust
OD	govt requirements that mandate BC/DR of critical services (ie transport, telco,MSD etc) - auditing to ensure quality	governance	monitoring
WTG	formal resilience measures (ie govt tenders) - recognising the need for resilience	governance	monitoring
TGA	have an "end" in mind - understand where each contributor is at - then developm plans to move to end state	governance	monitoring
TGA	continuous improvement for service delivery and business plans	governance	monitoring
CHCH	Process to evaluate policy and investment at all levels of government across a multi-capital resilience lens.	governance	monitoring
OD	encourage / reward industry to be socially responsible and support resilience	governance	private sector
OD	diversify - NZ still sees itself as agriculture based	governance	private sector
WTG	better business planning	governance	private sector
TGA	stronger commercial & government relationships	governance	private sector
CHCH	Public-private sector alignment and cooperation.	governance	private sector
CHCH	Businesses need to understand their responsibilities.	governance	private sector
OD	overarching govt led approach	governance	risk reduction
OD	need to examin whether current policies will really mitigate disaster	governance	statutes
WTG	unified risk reduction legislation	governance	statutes
WTG	unified risk reduction legislation and guidance	governance	statutes
WTG	unified risk reduction legislation and guidance	governance	statutes
WTG	better mechanisms to require (legislation) and motivate (non leg) NZ to become more resilient	governance	statutes
WTG	more regulation and enforcement	governance	statutes
TGA	aligned legislation that is fit for purpose	governance	statutes
TGA	govt policy for set back zones (coastal)	governance	statutes
TGA	relaxation of over the top H&S requirements - reduces community resilience and constrains response	governance	statutes

WHAT ELSE DO WE NEED?

TGA	natural hazard risk should be addressed in city and district plans (including low likelihood events)	governance	risk reduction statutes
TGA	remove CDEM functions from local govt and vest in dedicated govt agency (but don't lose relationship with Tas)	governance	risk reduction statutes
TGA	un complicated legislation	governance	risk reduction statutes
CHCH	More national/central coordination of legislative framework, esp in risk reduction, public education.	governance	risk reduction statutes
OD	improve resilience of vital infrastructure and transport networks	infrastructure	
OD	attention to our single points of failure in infrastructure	infrastructure	
OD	more coherent approach to infrastructure	infrastructure	
OD	govt should work with industry on contingency planning around national critical infrastructure	infrastructure	
OD	invest in infrastructure	infrastructure	
WTG	infrastructure diversification - alternate roads / distributed water treatment network	infrastructure	
WTG	spend money on aligning infrastructure and stop being a spendthrift nation	infrastructure	
TGA	better transport links between main centres	infrastructure	
TGA	infrastructure planning across larger areas	infrastructure	
TGA	resilient built environments	infrastructure	
TGA	investment in sustainable transport infrastructure	infrastructure	
TGA	many rural areas have poor communication coverage	infrastructure	
TGA	improve infrastructure	infrastructure	
WTG	centrally funded spatial data infrastructure to support better decision making	knowledge and experience	data
WTG	shared data and information to support decision making and increased awareness at community / individual level	knowledge and experience	data
TGA	act on the knowledge of hazard risk - more on evidence rather than mitigate	knowledge and experience	data
TGA	have common data set that drives consistent approaches across all local government	knowledge and experience	data
OD	increased awareness - legislation, policies, community and individual level	knowledge and experience	education
OD	better education	knowledge and experience	education
OD	teach adaptability, resourcefulness, environmental conciousness, problem solving to our kids, communities	knowledge and experience	education
WTG	education in schools	knowledge and experience	education
WTG	education in schools	knowledge and experience	education
WTG	increased education	knowledge and experience	education
WTG	shift focus to current inherrent resilience / education system rather than Stan and GRGT	knowledge and experience	education
WTG	improve individual awareness of resilience and incentivise	knowledge and experience	education
TGA	education and training	knowledge and experience	education
TGA	community and business training - adapt post disaster - self sufficiency	knowledge and experience	education
TGA	continued education at a local level	knowledge and experience	education
TGA	increased education relating to risk scape	knowledge and experience	education
CHCH	Education across all levels. Explicit value of social capital. Diversify economic activity. Better use visitors to country across the 4Rs.	knowledge and experience	education
CHCH	Continuity with how info and education are available. Improve accessibility of resources.	knowledge and experience	education
CHCH	Education. Integration - economic, infrastructure, social. Promote self-reliance.	knowledge and experience	education
OD	collaborative approach, info sharing, inter departmental	knowledge and experience	information sharing

WHAT ELSE DO WE NEED?

OD	better able to use info & translate into resilience building outcomes	knowledge and experience	information sharing
OD	make research results more accessible - in a format easy for users	knowledge and experience	information sharing
WTG	better knowledge sharing	knowledge and experience	information sharing
TGA	transparent pathways from hazard information , mitigation and response	knowledge and experience	information sharing
TGA	improved data sharing	knowledge and experience	information sharing
TGA	research and share more hazard data - link to LIMs so landowners know the risks	knowledge and experience	information sharing
CHCH	More joined-up approach to understanding our hazards, risks, vulnerabilities and to resourcing implementation of mitigation strategies. Legislation to force industry compliance/contribution/cooperation.	knowledge and experience	information sharing
OD	apply creativity and innovation to our existing strategies	knowledge and experience	innovation
WTG	implement ways that Industry / organisation can engage and direct scientific research towards resilience	knowledge and experience	research
WTG	strengthen research and technology linkages to provide solutions for CDEM	knowledge and experience	research
TGA	more information about risks and hazards to encourage emergency planning	knowledge and experience	research
TGA	design for future threats rather than focus on the most recent emergency	knowledge and experience	research
TGA	improved understanding of risks	knowledge and experience	research
CHCH	Better basic research to integrate into: hazard management planning, recovery plans, emergency response. Improved education.	knowledge and experience	research
OD	need project to better imagine emerging risks	knowledge and experience	risk focus
OD	more innovative thinking - taking risks now for a greater future benefit	knowledge and experience	risk focus
OD	better understanding of risks encompassing environmental, economic and tech risks	knowledge and experience	risk focus
OD	holistic approach to risk management	knowledge and experience	risk focus
OD	a culture of resilience / risk awareness	knowledge and experience	risk focus
OD	business case development to include externalities	knowledge and experience	risk focus
WTG	better understanding of vulnerabilities and interdependencies	knowledge and experience	risk focus
WTG	build redundancy in our systems	knowledge and experience	risk focus
WTG	stronger regional economies and resilient smaller towns	knowledge and experience	risk focus
WTG	DRR a way of life and BAU	knowledge and experience	risk focus
WTG	better understanding of risk - NZ risk profile across sectors / hazards	knowledge and experience	risk focus
WTG	better understanding of risk - NZ risk profile across sectors / hazards	knowledge and experience	risk focus
WTG	addressing private ownership cost of resilience / risk (loss of value)	knowledge and experience	risk focus
WTG	identify how we handle risk (before and after a shock)	knowledge and experience	risk focus
WTG	having conversations about consequence and not just risk/hazard	knowledge and experience	risk focus
WTG	have a focus that is wider than just the minimum	knowledge and experience	risk focus
WTG	be prepared to accept a greater level of risk	knowledge and experience	risk focus
TGA	need to get across "acceptable and useable" education of resilience	knowledge and experience	risk focus

WHAT ELSE DO WE NEED?

TGA	investment in risk analysis to facilitate informed decision making	knowledge and experience	risk focus
TGA	take sea level rise and climate change seriously	knowledge and experience	risk focus
TGA	understanding disaster risk reduction	knowledge and experience	risk focus
TGA	more attention to sea level rise and implications for communities	knowledge and experience	risk focus
CHCH	Focus on recovery/reduction implementation. Precautionary principles. Resource and fund local government. Understand risk.	knowledge and experience	risk focus
OD	improve our digital /data/cyber security systems - we are becoming reliant	knowledge and experience	technology
OD	adapt to using new technologies quicker	knowledge and experience	technology
OD	bigger focus on advancing IT and standardising its functionality	knowledge and experience	technology
OD	use technology to build networks (social media) and spread messages including lessons learned	knowledge and experience	technology
OD	invest in media - digital world is ill-informed, opinionated and not well researched	knowledge and experience	technology
TGA	Tech changes - use apps / games to educate children	knowledge and experience	technology
OD	building grass roots resilience (indiv/local authority / industry groups)	social	community
OD	better understand the needs of communities	social	community
OD	stronger community cohesion and communication	social	community
OD	increased community participation/engagement via education and communication	social	community
OD	bespoke approaches for isolated communities / offshore islands	social	community
OD	more work at a community level	social	community
OD	focus on community / individual resilience	social	community
OD	enable everyone to participate in being a resilient society - includes raising awareness	social	community
WTG	post disaster recovery & non urban resilience - focus on stresses and vulnerable communities	social	community
WTG	devolved responsibility, distributed leadership	social	community
WTG	build capacity for people to survive, adapt and thrive	social	community
WTG	empowered communities	social	community
WTG	communities that understand risk and who will provide for them	social	community
WTG	social welfare agencies having a specific focus on preparedness	social	community
WTG	find simple ways for people to participate and build a culture of resilience	social	community
WTG	make relevant for individuals to engage at all levels	social	community
WTG	community cohesion and motivation to look after themselves	social	community
WTG	local solutions	social	community
TGA	develop local plans by the community for the community	social	community
TGA	resilience is developed by communities for communities	social	community
TGA	empowering communities	social	community
TGA	more community involvement	social	community
TGA	sense of community	social	community
TGA	greater support for community initiatives	social	community
TGA	foster existing resilience within communities - develop what is already there	social	community
TGA	empower local people	social	community
TGA	build capacity for people to survive, adapt and thrive	social	community
TGA	encourage community resilience rather than reliance on govt agencies	social	community
TGA	encourage community based disaster planning / response	social	community
TGA	work with communities to broker benefits of resilience	social	community
TGA	recognise the power of local activities drive by locals	social	community
TGA	devolution of decision making to communities	social	community
CHCH	empower local people	social	community

CHCH	Greater community connectedness / collaboration. Economic analyses for community outcomes. Better strategic planning and coordination.	social	community
CHCH	More participation in civil governance. Bring in NGOs with disaster experience.	social	community
CHCH	Social norms of resilience. Community-led initiatives supported by legislation. Resourcing.	social	community
CHCH	Cost resilience front of mind in community.	social	community
CHCH	Listen to top down management and community development (asset based) voices. Develop community, district and regional asset maps.	social	community
CHCH	Increase understanding of difficulties faced in communities.	social	community
CHCH	Investing in health and education. Develop community leadership skills.	social	health
OD	encourage social connections - volunteerism [eg 'resilience day']	social	volunteers
OD	volunteers - maintain and build	social	volunteers
TGA	volunteers	social	volunteers
WTG	more youth lead think tanks inputting into current strategies - investment in young people	social	youth
TGA	teach kids to do practical things as well as tech	social	youth
TGA	involve young people in marketing in schools	social	youth
CHCH	Instil preparedness message into primary school curriculum.	social	youth
OD	ensure national resilience flows to the individual - promoted from bottom up	social	community
OD	to what extent is the national resilience strategy a slice/dice of other national strategies?	strategy	resilience
WTG	clear linkages to desired outcomes of resilience investments	strategy	resilience
WTG	build business case to invest in resilience	strategy	resilience
WTG	build business case to invest in resilience - cost benefit analysis	strategy	resilience
WTG	mainstream idea of resilience	strategy	resilience
WTG	shared understanding of resilience	strategy	resilience
WTG	consistent high level resilience objectives	strategy	resilience
TGA	challenge and test resilience models	strategy	resilience
TGA	understanding of what resilience means across all levels	strategy	resilience
TGA	don't think too big	strategy	resilience
TGA	encourage resilience	strategy	resilience
CHCH	Clear strategy that captures the majority of people, communities and businesses.	strategy	resilience
CHCH	Complexity is an enemy of resilience.	strategy	resilience
OD	be truly strategic	strategy	
OD	make brave decisions, be courageous, think outside the square	strategy	
OD	NZ-ers have nimby attitude (ie wind farms) - not sustainable. Need a holistic view	strategy	

Loc	What is the greatest opportunity fo building a resilient nation that we are not yet taking advantage of?	Component	Theme
OD	connecting the pieces of the jigsaw - too much silo work organisationally	cultural	connections
OD	existing networks in industries and communities	cultural	connections
OD	workign well across sector institutional boundaries	cultural	connections
OD	removing structural barriers of govt deps / silos working more collectively to develop capability (ie vulnerable children)	cultural	connections
CHCH	Increase channels for connecting communities. Greater use of science and technology.	cultural	connections
WTG	improve income inequality	cultural	inequality
WTG	addressign inequality	cultural	inequality
TGA	the living wage - economic security reduces vulnerability at the individual level	cultural	inequality
TGA	reducing inequality	cultural	inequality
TGA	reduce rising inequalities	cultural	inequality
TGA	support kiwi can do attitude	cultural	NZ culture
TGA	strengthen NZ culture - no 8 wire	cultural	NZ culture
TGA	celebrate champions who have developed resilience - inspiration	cultural	NZ culture
WTG	self sufficiency	cultural	self sufficiency
TGA	community and self sufficiency	cultural	self sufficiency
TGA	increasing adaptability / self sufficiency	cultural	self sufficiency
TGA	encourage self reliance	cultural	self sufficiency
OD	our people are engaged and prepared	cultural	willingness / proactive
TGA	innovation	cultural	willingness / proactive
TGA	encouraging people to 'right size' their lives	cultural	willingness / proactive
CHCH	harness collective will of communities to build a safe, equitable and healthy environment.	cultural	willingness / proactive
WTG	use the happiness index from Bhutan - not an economic index	cultural	
WTG	strengthen NZ's small towns and satellite cities	economic	
WTG	change economic culture so that price of goods and services reflects their whole cost to society	economic	
OD	taking an holistic approach to policy ie including env/natural assets	environment	
CHCH	Decrease dependence on fossil fuels. Protect oceans and fish stocks. Convince people they actually live well and to be content.	environment	
CHCH	Stop farmer capture of natural resources - share natural resources.	environment	
OD	AOG approach to BCM - greater organisational resilience	governance	BCM
OD	AOG templates/process guides for BCM - most agencies wasting resource developing their own	governance	BCM
OD	better partnerships between private / public and national / local	governance	collaborative planning
OD	join up public / local govt decisions	governance	collaborative planning
WTG	collaborative planning	governance	collaborative planning
WTG	collaborative planning	governance	collaborative planning
WTG	collective and joined up partnership between central and local government	governance	collaborative planning
WTG	collaborative planning	governance	collaborative planning
WTG	collaborative planning	governance	collaborative planning
WTG	collaborative planning and shared experiences	governance	collaborative planning
WTG	collaborative planning	governance	collaborative planning
WTG	ensure buy in and collaborative planning	governance	collaborative planning
WTG	collaborative planning	governance	collaborative planning
WTG	collaborative planning	governance	collaborative planning
WTG	collaborative planning	governance	collaborative planning
TGA	collaborative planning	governance	collaborative planning
TGA	local government embracing social planning as well as structure planning	governance	collaborative planning
TGA	building interoperability into natsional planning	governance	collaborative planning
TGA	collaborative planning	governance	collaborative planning
TGA	consolidation and integration (resources)	governance	collaborative planning
TGA	collaborative planning	governance	collaborative planning
CHCH	Remind central government their job is to build and maintain a resilient nation, not simply to enable competition.	governance	collaborative planning
CHCH	Get all parts working together, pooling resources (national, regional, local, non-profit etc).	governance	collaborative planning
CHCH	Pull disparate groups and communities together.	governance	collaborative planning
CHCH	Input from all parts of society.	governance	collaborative planning

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CHCH	Social enterprise - we're hosting the World Forum in 2017.	governance	collaborative planning
CHCH	Break down silos in relationships between non profits and govt.	governance	collaborative planning
CHCH	Consolidate agencies to reduce planning and engagement complexities.	governance	collaborative planning
WTG	collaborative planning	governance	collaborative planning
WTG	more collaboration	governance	collaborative planning
WTG	collaborative planning	governance	collaborative planning
TGA	collaborative planning	governance	collaborative planning
WTG	linked development regimes in future development	governance	development
TGA	centralised / common investment approach for hazards so landuse planning is working from consistent info	governance	development
CHCH	Integrate CDEM across NZ but operationally and in governance.	governance	existing work programmes
WTG	shift from talking to doing	governance	implementation
TGA	additional resourcing needed	governance	implementation
OD	gearing our international relationship / policies to influence climate, economy	governance	international
WTG	integration of sendai framework, climate change adaption	governance	international
OD	leadership and governance - need effective champions to lead resilience across organisational boundaries	governance	leadership
CHCH	Political parties working in agreement on national issues.	governance	leadership
CHCH	Review public education/messaging to incorporate social media and do it well. More national leadership.	governance	leadership
CHCH	Coordinated and consistent approach nationally and regionally. Incorporate CDEM in curriculum.	governance	leadership
WTG	shifting central government plannign to the long term	governance	long term focus
CHCH	Consistance of message. Reaching next generation.	governance	long term focus
TGA	educate and encourage people to exercise their right to vote - engage in local govt processes	governance	low corruption / high trust
OD	develop measures of resilience and track progress - what you measure you get more of	governance	monitoring
WTG	benchmarking resilience measures	governance	monitoring
CHCH	Compulsory service. Introduce testing.	governance	monitoring
OD	more PPPs to encourage awareness of resilience gaps - cant fund everything some gaps must be left to private sector	governance	private sector
OD	consistent national policy (ie not one for auckland and one for the rest of NZ)	governance	risk reduction statutes
OD	connecting wellbeing to the core of a resilience strategy	governance	risk reduction statutes
WTG	having principles of resilience in all relevant legislation	governance	risk reduction statutes
WTG	consideration of resilience / risk reduction in all new work	governance	risk reduction statutes
WTG	take a stronger retreat approach from hazardous areas	governance	risk reduction statutes
TGA	standardising our risk management based legislation	governance	risk reduction statutes
CHCH	Move to more holistic model inclusive all 4Rs. Incorporate resilience principles in all legislation.	governance	risk reduction statutes
OD	need to change peoples perception that NZ is safe from the rest of the world - what happens globally affects NZ	governance	
OD	improve exchanges across sectors to share priorities	governance	
OD	establish frameworks using international standards to break down silos - build interdept trust & understanding	governance	
WTG	embracing sustainability energy options	infrastructure	energy
WTG	incentivising self sufficiency -subsidise solar, water tanks etc	infrastructure	energy
OD	sustainable development to build resilient communities / economies etc	infrastructure	
OD	national stocktake of infrastructure and supply chains to id single points of failure & implement back ups	infrastructure	
WTG	use of renewable energy infrastructure - localise energy production	infrastructure	
WTG	improve legacy risks (ie old infrastructure)	infrastructure	
WTG	distributed electricity generation and storage	infrastructure	
WTG	changes to electricity sector - incentivise electric cars and solar generation / storage	infrastructure	
WTG	abolish the restrictive, punitive powers of the commerce commission	infrastructure	
TGA	ensure lifeline evacuation routes are truly resilient	infrastructure	
TGA	resilient nationwide communication network	infrastructure	

CHCH	Support and training for all life-line utilities. Increase life-line utilities - include access radio stations. Improve information dissemination in many languages.	infrastructure	
CHCH	Analyse future and current infrastructure.	infrastructure	
WTG	spatial data infrastructure	Knowledge / experience	data
OD	leveraging off life 3.0 changes (eg distributed; networks)	Knowledge / experience	education
OD	better use of education system to promote community cohesion & raise awareness of its value	Knowledge / experience	education
OD	education to be focused on life 3.0	Knowledge / experience	education
WTG	make DRR sexy	Knowledge / experience	education
WTG	use scenarios to increase understanding	Knowledge / experience	education
TGA	education in schools (youth focus)	Knowledge / experience	education
TGA	better education and communication	Knowledge / experience	education
TGA	education and awareness resourcing	Knowledge / experience	education
TGA	education	Knowledge / experience	education
CHCH	Risk: Education and management.	Knowledge / experience	education
CHCH	More education about disasters in schools. More health and social support for children in poverty.	Knowledge / experience	education
OD	leveraging technology to push information about resilience	Knowledge / experience	information sharing
OD	sharing data / intelligence across all levels govt	Knowledge / experience	information sharing
OD	invest in information - access, integration, protection & security	Knowledge / experience	information sharing
WTG	harnessing ad hoc information and provide to local authorities	Knowledge / experience	information sharing
TGA	sharing of data and interpretation to ensure its used in the right way	Knowledge / experience	information sharing
TGA	information sharing	Knowledge / experience	information sharing
TGA	open data - there is a national policy for open data but it isnt being driven	Knowledge / experience	information sharing
CHCH	Create an integrated resource space. Easier access to continuous message across the board.	Knowledge / experience	information sharing
CHCH	Ensuring the learnings go forward to future generations.	Knowledge / experience	information sharing
CHCH	Local community district and regional asset mapping - physical and social capital.	Knowledge / experience	information sharing
CHCH	Communication of contemporary post-earthquake research on resilience.	Knowledge / experience	information sharing
OD	engage public more in benefits of being more resilient/flexible and understanding of what might happen	Knowledge / experience	information sharing
OD	sharing data	Knowledge / experience	information sharing
OD	better info sharing between agencies - common intelligence	Knowledge / experience	information sharing
WTG	examine international research and solutions regarding increased resilience	Knowledge / experience	international
OD	promoting networking and mapping framework of what currently exists	Knowledge / experience	mapping
OD	use existing expertise & steer away from recreating the wheel - focus on the gaps	Knowledge / experience	recent experience

OD	learning from each other - those making progress can provide impetus for others	Knowledge / experience	recent experience
OD	learning from overseas examples and best practice - global community facing shared issues	Knowledge / experience	recent experience
WTG	draw capabilities from across the country	Knowledge / experience	recent experience
WTG	share experiences / learnings from previous disasters	Knowledge / experience	recent experience
TGA	learning from the experiences of others	Knowledge / experience	recent experience
CHCH	Community ideas and innovations. Lessons learned from past disasters.	Knowledge / experience	recent experience
WTG	university focus on risk, DRR, EM and BCP	Knowledge / experience	research
WTG	encourage industry / local govt etc to direct scientific reasearch and development of resilience	Knowledge / experience	research
CHCH	Collaboration - researchers, government.	Knowledge / experience	research
OD	communicating risk to people so that they understand the land they are building on	Knowledge / experience	risk focus
OD	encourage innovation and not just avoiding risk	Knowledge / experience	risk focus
WTG	refocus from cause of damage to consequence	Knowledge / experience	risk focus
WTG	refocus from cause of damage to consequence	Knowledge / experience	risk focus
WTG	consideration of resilience / risk reduction in all funding assessments	Knowledge / experience	risk focus
WTG	broad understanding of hazard risk	Knowledge / experience	risk focus
TGA	better use hazard and vulnerability research in policy and planning	Knowledge / experience	risk focus
TGA	translating scientific knowledge and engineering know how into effective regulations	Knowledge / experience	risk focus
TGA	awareness of hazards and risks	Knowledge / experience	risk focus
TGA	havign comprehensive risk conversations and implementation	Knowledge / experience	risk focus
TGA	need nimble approaches to monitor rapidly changing threats (rather than existing)	Knowledge / experience	risk focus
CHCH	Climate change an opportunity to build a more resilient nation.	Knowledge / experience	risk focus
WTG	technology	Knowledge / experience	technology
WTG	smart technology	Knowledge / experience	technology
WTG	technology	Knowledge / experience	technology
WTG	standardising physical addressing	Knowledge / experience	technology
TGA	use of technology for alerting	Knowledge / experience	technology
OD	better connecting communities and making individuals more self reliant	social	community
OD	build on social and community capital by having national & local disaster response exercises - getting to know neighbours etc	social	community
OD	community engagement / civil society / youth	social	community
OD	growing trend to self sufficiency, low energy, social responsibility	social	community
OD	small movements like buy local, reduce reuse recycle repurpose leveraged regional / national	social	community
OD	providing safe societal networks	social	community
OD	govt funded marketing of initiatives to increase social / household infrastructure & env resilience	social	community
OD	NZ increasingly diverse - risk if diverse communities become isolated - need to work openly with this diversity	social	community
OD	give the public some credit for makign own decisions - take own risks (less legislative / prescriptive)	social	community

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WTG	grassroots / community base support	social	community
WTG	community groups	social	community
WTG	grassroots / community base support	social	community
WTG	community devolution	social	community
WTG	integration of resilience into all community decisions - not a separate activity	social	community
WTG	make community resilience a statutory requirement of local govt in LGA, CDEM and RMA	social	community
WTG	effective community engagement	social	community
TGA	better connections with existing community organisations and networks	social	community
TGA	community empowerment	social	community
TGA	growing the connectedness of communities	social	community
TGA	local community led response not understood valued or developed	social	community
TGA	using information technology to support community leadership	social	community
TGA	use of community based hubs / networks to promulgate resilience	social	community
TGA	engage with older people to explore resilience / lessons from life	social	community
TGA	community / volunteer empowerment	social	community
TGA	collective impact and understanding how communities can self organise	social	community
TGA	enhancing sense of community	social	community
TGA	local people with local solutions based on local experience - focus on bottom up approach	social	community
TGA	strengthen sense of community	social	community
TGA	connections with existing community networks	social	community
CHCH	Building up capabilities of individuals, families, communities.	social	community
CHCH	Public desire to participate and build community infrastructure.	social	community
CHCH	Properly engage communities. Leverage insurance industry and its clients.	social	community
CHCH	Individuals as the building blocks within households/wharau/communities.	social	community
CHCH	Building community awareness and consensus.	social	community
CHCH	Community input and collaboration/social capital.	social	community
OD	healthy buildings not just safe ones - not enough focus on health	social	health
TGA	reduce inequality to reduce vulnerability	social	inequality
CHCH	More social engagement and consultation. Recognition of being a small and mighty nation with ability to achieve great things.	social	nz small size
WTG	less focus on metro areas	social	rural
WTG	social media and connectedness with volunteer groups	social	volunteers
TGA	better utilise volunteers - under used resource	social	volunteers
TGA	actively promote the need and value of volunteers - focus on youth and early adult	social	volunteers
TGA	community and volunteer focus	social	volunteers
TGA	having more volunteers	social	volunteers
TGA	volunteers	social	volunteers
CHCH	Support volunteerism to a greater extent - social outcomes instead of economic.	social	volunteers
CHCH	Focus on mental/physical health+fitness. Create space for volunteers and community action (paid leave, less working hours, digital comms).	social	volunteers
OD	our youth - we have lost the concept of for the good of the community	social	youth
WTG	using schools to grown knowledge and preparation	social	youth
WTG	education starts younger in schools	social	youth
WTG	engage with generation Y and younger as they are driving many of the changes we see today	social	youth
TGA	tap into young adults	social	youth
TGA	having a youth focus	social	youth
TGA	connect with younger generation	social	youth
TGA	engage with young people for ideas	social	youth
TGA	flexible working situations so parents can spend time with their children	social	youth
TGA	education in schools (youth focus)	social	youth
CHCH	Instil preparedness into school children.	social	youth
CHCH	Instil preparedness into school children.	social	youth
WTG	definition of resilience and implementing it	strategy	resilience
WTG	redefine resilience building/ recovery preparation and characterise as pre disaster recovery planning	strategy	resilience
TGA	mainstream resilience into BAU	strategy	resilience
TGA	fully coordinated strategy	strategy	resilience
TGA	leverage from resilience models - best practice	strategy	resilience
CHCH	This strategy process. People's openness to talk about resilience.	strategy	resilience
CHCH	Include sustainability in resilience equation - balance between economy, environment, culture, society. Reflect no unique identity/culture.	strategy	resilience

Loc	How could my agency work differently with other agencies or sectors to help build national resilience faster?	Component	Theme
OD	challenge assumptions that govt departments hold i.e white middle class perspectives	Cultural	behavioural
WTG	making it fun, cool, the thing to do	Cultural	behavioural
OD	focus on personal preparedness and educating our people so they understand their emergency responsibilities	Cultural	self sufficiency
TGA	think about what's good for NZ not what is good for your agency	Cultural	willingness / proactiv
TGA	be more empowering - risk averse behaviour can be restraining	Cultural	willingness / proactiv
OD	be involved in cross agency networks on resilience issues	Governance	collaborative planning
OD	closer engagement with agencies to standardise approach to delivering services - cross agency cohesiveness	Governance	collaborative planning
OD	working together on business continuity	Governance	collaborative planning
OD	participate in more days like today	Governance	collaborative planning
OD	joint activities and community engagement	Governance	collaborative planning
OD	greater connectedness	Governance	collaborative planning
OD	better connections between MBIE oil security policy and MCDEM/ODESC	Governance	collaborative planning
OD	cross agency working groups/project teams	Governance	collaborative planning
OD	co location of different agencies and functions	Governance	collaborative planning
OD	more interagency scenarios	Governance	collaborative planning
OD	coordination of policy work programmes	Governance	collaborative planning
OD	participation in cross agency groups such as ODESC - bring international connections to bear on resilience	Governance	collaborative planning
OD	develop action plan covering risks/issues to other sectors if there is systemic failure in transport / nat infrastructure	Governance	collaborative planning
OD	shared integrated work / business plans	Governance	collaborative planning
OD	use other agencies expertise	Governance	collaborative planning
OD	stop working in silos	Governance	collaborative planning
OD	we could be joined at the hip	Governance	collaborative planning
WTG	collaborative planning	Governance	collaborative planning
WTG	collaborative planning - being complementary not competitive	Governance	collaborative planning
WTG	work with private sector	Governance	collaborative planning
WTG	collaborative planning	Governance	collaborative planning
WTG	shared integrated work / business plans	Governance	collaborative planning
WTG	collaborative planning	Governance	collaborative planning
WTG	communicate and build relationships	Governance	collaborative planning
WTG	share resources and experiences	Governance	collaborative planning
WTG	improved cooperation between private and public sector - less self interest and short term thinking	Governance	collaborative planning
WTG	better connections with CDEM and communities	Governance	collaborative planning
WTG	LTP's & strategic plans could be more inclusive at planning / consultation with other agencies	Governance	collaborative planning
WTG	improve coordination, contract management, service provision and supply chain management to build resilience	Governance	collaborative planning
OD	facilitate the on going discussion	Governance	collaborative planning
TGA	not have a sole focus on our mandated role - need a how can we help approach	Governance	collaborative planning
TGA	continue to build on CDEM cooperation / capabilities	Governance	collaborative planning
TGA	keep connected with emergency services	Governance	collaborative planning
TGA	recovery planning / response planning involve all infrastructure agencies to share plans	Governance	collaborative planning
TGA	get out of the silos	Governance	collaborative planning
TGA	collaboration and sharing	Governance	collaborative planning
TGA	reach out to organisations that are not normally part of existing network	Governance	collaborative planning

WHAT MORE CAN YOUR AGENCY DO?

TGA	better networking	Governance	collaborative planning
TGA	connect with central government agencies for better scenario planning	Governance	collaborative planning
TGA	better connectivity / strong networks and relationships	Governance	collaborative planning
TGA	work smarter with neighbouring / similar organisations to utilise our limited resources	Governance	collaborative planning
TGA	collaborative approach	Governance	collaborative planning
TGA	collaborate with lifelines	Governance	collaborative planning
TGA	develop working together protocols to avoid duplication	Governance	collaborative planning
TGA	increased collaboration, more funds	Governance	collaborative planning
TGA	keep / expand cross agency forums and project working groups	Governance	collaborative planning
TGA	collaborative planning	Governance	collaborative planning
TGA	collaborative planning and relationships	Governance	collaborative planning
TGA	need district plans to reflect issues	Governance	development
OD	functional structures rather than department structures	Governance	implementation
WTG	need strategy that enables local government	Governance	implementation
TGA	more resources	Governance	implementation
TGA	more purposeful integration	Governance	implementation
TGA	focus more on prevention - healthier = more resilient	Governance	implementation
TGA	funding to support community initiatives	Governance	implementation
TGA	provide local front line injury prevention staff with a budget	Governance	implementation
TGA	have bigger CDEM staff numbers - perhaps even MCDEM funded	Governance	implementation
WTG	visionary leadership	Governance	leadership
WTG	CDEM should take a coordination role working with agencies to ensure a consistent approach	Governance	leadership
TGA	become a single nationally coordinated / directed agency	Governance	leadership
TGA	good picture of what's already happening - reduce duplication and identify gaps	Governance	leadership
OD	driving the living standards framework so its influence is seen at the operational level	Governance	operationalise
OD	common boundaries e.g. between health, MSD, Police etc.	Governance	operationalise
WTG	need more resources - implementation not talking	Governance	operationalise
WTG	need more resources - implementation not talking	Governance	operationalise
WTG	small town workshops on resilience planning	Governance	operationalise
WTG	coordinate funding plan	Governance	operationalise
WTG	increased funding	Governance	operationalise
TGA	business advisory group	Governance	private sector
TGA	engage private sector	Governance	private sector
TGA	local businesses with local recovery plans	Governance	private sector
TGA	build on strong cross sector relationships	Governance	relationships
TGA	targeted collaboration with others to develop a resilience on network (roads)	Infrastructure	roads
TGA	one network approach (roads) to create resilient roads (councils and central govt)	Infrastructure	roads
WTG	better coordination across infrastructure and utilities	Infrastructure	
TGA	plans based on knowledge / facts	Knowledge/experience data	
TGA	partnerships with educational providers	Knowledge/experience education	
OD	sharing information to find common objectives	Knowledge/experience information sharing	
OD	information sharing and collaboration with wider government community	Knowledge/experience information sharing	
OD	develop feedback loops so ideas that work are better disseminated between agencies	Knowledge/experience information sharing	
OD	data sharing	Knowledge/experience information sharing	
OD	improved social media	Knowledge/experience information sharing	
OD	increased information sharing across govt / transport sectors	Knowledge/experience information sharing	
OD	publicise research findings - esp. how to become more resilient	Knowledge/experience information sharing	
OD	leverage from learning opportunities	Knowledge/experience information sharing	

WHAT MORE CAN YOUR AGENCY DO?

OD	increased awareness of the benefits of having a resilient environment	Knowledge/experience	information sharing
WTG	100RC sharing best practice with other urban centres and redesigning lessons for non-urban centres	Knowledge/experience	information sharing
WTG	sharing information	Knowledge/experience	information sharing
WTG	sharing information	Knowledge/experience	information sharing
WTG	improved communication	Knowledge/experience	information sharing
WTG	sharing information - support better risk assessment and resilience planning	Knowledge/experience	information sharing
WTG	sharing information and experiences	Knowledge/experience	information sharing
WTG	sharing information	Knowledge/experience	information sharing
WTG	participate in spatial data infrastructure	Knowledge/experience	information sharing
TGA	more information sharing between emergency management sector	Knowledge/experience	information sharing
TGA	shared knowledge / resources	Knowledge/experience	information sharing
TGA	part of advisory groups 'think tanks'	Knowledge/experience	information sharing
TGA	information sharing and collaboration with wider government community	Knowledge/experience	information sharing
TGA	share experiences	Knowledge/experience	information sharing
TGA	share experiences	Knowledge/experience	information sharing
TGA	share community intel with decision makers	Knowledge/experience	information sharing
TGA	fusion centre model - expertise on tap and on going knowledge sharing	Knowledge/experience	leadership
TGA	greater technology integration across agencies	Knowledge/experience	technology
WTG	get productivity commission to do a grass roots analysis	Research	
WTG	collaborative institutional industry research	Research	
WTG	continue co-producing research	Research	
WTG	develop participatory community led science	Research	
WTG	support research to inform critical gaps	Research	
WTG	community and key leader engagement	Social	community
WTG	understanding community fit	Social	community
TGA	approach is aimed at our grass roots	Social	community
TGA	taking a more grass roots approach	Social	community
TGA	understand and lead work guided by end user needs	Social	community
TGA	engage with local businesses and community groups - need more funds	Social	community
OD	ask the public who pay for our services not the government	Social	consultation
TGA	strengthen CDEM with local schools	Social	youth
OD	allow time for lessons to be embedded rather than pushing ahead with BAU	Strategy	long term focus
OD	embed resilience as part of the organisations priorities	Strategy	resilience
OD	increased consultation base to include MCDEM for input from a resiliency perspective on policy changes	Strategy	resilience
OD	make national resilience part of BAU	Strategy	resilience
WTG	how our recovery and resilience effects others	Strategy	resilience
WTG	facilitate building an understanding of resilience	Strategy	resilience
TGA	share and explain the big picture	Strategy	resilience
CHCH	Look outside our industry sector	Governance	
CHCH	We are here to do so already	U	
CHCH	Engage more in connecting practice and research. Act more as conscience and critic of society.		
CHCH	Provide a louder voice on social issues.		
CHCH	research collaborations and develop more courses on resilience at tertiary level.		
CHCH	Develop regional comms plan around the access sector of NZ for their needs.		
CHCH	Lift CDEM act profile in RMT framework.		
CHCH	Work more consistently and collaboratively.		
CHCH	Sharing resources, learnings, ideas etc.		

WHAT MORE CAN YOUR AGENCY DO?

- CHCH Resource sharing, inter-agency communication on what priorities are and what they are working on.
- CHCH Working with different agencies. A different way of working with people/communicating.
- CHCH I hope the science challenge approach will prove successful.
- CHCH By working more proactively with CALD communities before, during and after emergencies.
- CHCH Collaborate research across hazards with agencies.
- CHCH Continued development of own integration with other health providers and in education.
- CHCH Other agencies could give us more money and we'll do more research to help provide better answers.
- CHCH We could work more deliberately with private sector organisations to motivate funding, leadership, science, investment for resilience.
- CHCH Teach students the importance of balancing economic, social and natural systems in their industry.
- CHCH Continue with a NZ Inc approach in understanding each others business.
- CHCH Provide scientific research/academic advice on implementing a successful resilience framework
- CHCH Build an efficient pipeline from research through to practice
- CHCH Provide resilience education
- CHCH Be more accepting of different value systems and be open to working with them
- CHCH More unitary local government - too many planning agencies.
- CHCH Project AF8
- CHCH Collaboration on app development
- CHCH Share information, thought leadership on issues that we have expertise in i.e. water
- CHCH Local and central government could align better to ensure that we are supporting one another's efforts to build resilience.
- CHCH Work with MCDEM and our national body to raise awareness and engagement in the non-profit sector
- CHCH closer cooperation and communication between G.O.s and university/other researchers
- CHCH Give us a national goal so we are all on the same page and have a common goal in sight
- CHCH Put community development back into local government. Be a conduit to bring together agencies around issues of resilience.
- CHCH Try to consolidate/aggregate resilience planning into the group level more to reduce the numbers of plans/organisations to plan for. Focus on TAs as annex to group plan.
- CHCH Become stronger member of local govt leadership
- CHCH Agree on some national goals.

What's in Place	What's Missing	What Next/Adapt
Local CDEM Groups	Full engagement - with vulnerable and isolated individuals and groups	Add value to existing assets - the 'what's in place' list - e.g. combine 'neighbourly' app to neighbourhood watch
Local Emergency Services	Motivation	Empower initiatives through interaction between local Govt and community
Local Social services	Effective process for engagement	Using advocates to connect with formal and informal social services that empower and consult with vulnerable people
Community plans	Sufficient funding	Divert resources to community engagement
Existing relationship networks	Philosophical paradigm "don't get it"	Use stories to engage elected members about how they could benefit from working with wider community e.g.. Using re-purposed resources (individuals, buildings, groups)
Community grants	Integration between individual, local and national levels	Central point of contact: churches, neighbourhoods, service groups/community link/volunteer groups, NGOs, business community, link into central Govt projects/initiatives. Sharing networks that exist. Sharing ideas that exist. Shift from infrastructure to community, shift from emergency managers to community resilience
Plan consultation	Infrastructure: Available accommodation, places to meet/interact, repurposing of facilities	Compulsory standing committee for community resilience and development: Adapt committee structures like risk, tools, dedicated resource to support, find and give community voice, develop centre of excellence and find exemplary and story tell e.g. LGNZ specific for empowering and resourcing community leaders, clone Joe, Taupo committee, Youth leadership - 'find a sam', youth councils, sports teams, church groups
District plans + long term plans > Consultation	Consultation/engagement on plans - communication 2 ways	Incentivise engagement e.g. more than for public good - competitions
CDEM groups and plans	Funding for engagement - co-creation	Mainstream and serious gaming environment - disaster game - learn what to do - innovation from participating - change characteristics/actions of characters in game - available in an app
Govt direction/guidance on plans	Diversity of engagement	Digital tools: virtual walkthroughs showing what the future could look like - encourage people other than usual negative comments to be involved - overlay 'future' on existing landscapes and have pop up information as people 'wa k' through.
Talking with usual suspects - lip service	Understanding behavioural change	Holding consultation (engagement, communication) at the right time - established events - cultural events e.g. Chinese new year
LTP Process	Detailed register of groups	Churches
Local representation	Mechanisms to talk to inarticulate	
Formal consultations - RMA, Bylaws	Resource	
Policies e.g. engagement	Compulsion	
Engagement model is not inclusive	Drivers for CEOs/elected members to see benefits	
Local networks	Integration of CDEM principles across organisation	
Community grants	Engagement model not inclusive	
	Engagement model not inclusive	
	What's in it for me?	
	Understanding their communities and their needs and motivations	
	Ties with other sectors/organisations	

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In place

Identified critical response areas (NZFS)
Draw demographic data (Statistics NZ)
Evac plans eg dept corrections
Current educational programmes

Missing

Ownership/responsibility - where does it sit?
Guidance to custodians/caregivers responsibilities to their 'charge' during

Adapt

Need for inclusive and direct consultation with selected vulnerable groups - CDEM to adapt from 'telling' to 'consulting'
Interagency sharing of data regarding at risk locations/people/groups - Consultation and sharing of information and data between all agencies in open and transparent way
Interdependency - determination of most appropriate agency to react/respond - Establishing trust environment where capabilities of partner agencies are recognised to achieve objectives
Authentic community response plans - True ground-up planning supported by agencies/organisations
Multi-agency tactical plans (site-specific) expand from core agencies to wider range of stakeholders - 'One plan' approach with multi-agency input and commitment

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Research + Science	Not well communicated/translated	Adapt	Replace	Eliminate	Reverse
Yellow pages	Survive vs cope/adapt	Release oxytocin eg vitoria metro rail safety message 'dumb ways to die' - 'kiwis can cope'	1:100 year / 1% per annum with easily understandable terms	Euthanise stan!	Rather than pushing out messages eg social media we should respond/inform through community led channels
Websites	CDEM vs whole society scope			Get rid of salamis	
\$ for campaigns	Dumbed down conflicted messaging eg store tinned food			"Get ready, get through"	
Apps/social media	self reliance vs community reliance				
Stan	promoting shared info sharing/solutions vs 'the answer'				
Public displays/forum					
Community response plans					

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What's in Place

Public Works Act - allows acquisition
LIM Report
CERA Act
Examples - planned and unplanned relocation
Market
Regional and national policy statement (RMA)
Research and community conversations
LGA - 30 yr infrastructure plan. LTP.
Natural hazards platform (Riskscape)
CDEM Group Plans
Attachment to place (-re)
Insurance

What's Missing

No policies or strategy
No precedence
No legislation
No real understanding of risk
No combines approach
Personal responsibility
No 'war chest'
Political will
Education re impacts (ie down-stream consequences)
Understanding of drivers for risk reduction

Adapt

Long-term business case- lost benefit
AA's 12-step approach to change
China's approach (ie play off the bad guy)
Mental health practices ie hope/change
Comms to sell region benefits of relocation
Public works act to allow requisition
Dis-incentive programmes eg red zones

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What's in Place	What's Missing	SWAP Approach/What next?	Training and qualifications
Victim support	I'm all right Jack	Self initiated or sponsored fun/relaxation/activity events	Training for people who come into contact with traumatised people - magnified eg community workers in centres, marae, churches
Red Cross EAPs through employers	You'll be fine/she'll be right	More pets	To be able to identify peoples needs and then bring in qualified experts (if required)
Counselling services through GP and other health services (Referrals)	Give it time	People feeling 'stunned' - need someone else to recognise/check up on	Help deal with large numbers requiring assistance
Rural support trusts	Hard to self-refer/hard to recognise own's need	Drop-in centres - more than registration centres	Recognising that this may not effect people until years after the event
Community mental health services	Give me a pill or two	Begin 'help' immediately, alongside intell/info.reconn/action	Recognising long term fatigue of the experts and responders
Red cross services	Very controlled	Local community of sponsored fun/relaxation/shared food/activity events	Debrief responders and plans made to help long term effects for responders
DHB community mental services	Authorities need to know what's going on to effectively intervene	You are not alone	Lack of recognition of responders
Community based groups eg churches	training/qualified	Importance of others going through similar situation	Treat humans as we treat buildings - resurrection of buildings but not humans - Human W.O.F.
family/whanau networks	retaining and recognition	Opportunities to join in distracting tasks or focus as needed	
cultural networks	raising awareness/understanding of those in communities and institutions that elad in establishing and delivery services	Belong	
doctors - counsellors	not enough \$ / spread too thin	Access appropriate help	
workplace EAP	no longevity in programmes of recovery support	Begin 'help' function immediately within an event response, alongside instead of following the intell/info/reconnaissance function	
school counselling/support	programmes output/budget and not outcome focussed	Need more reasources	
	no understanding of long term effects of individuals ie no programme MoE	Rapid response team	

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some 'first aid' skills in psychological recovery schemes show lack of alignment

caring for the carers

recognise that psychosocial and mental health are not the same

scaling of services

move to fence top of cliff from 'ambulance at bottom'

No longevity in programmes of recovery support

programmes output/budget and not outcome focussed

Familiar faces and sympathetic ears as well as clipboards

Clear expectations re follow up

Ripple effects (remembering that others might also be affected indirectly)

Wider acknowledgement/acceptance that help is ok to access and anyone can be affected

More pets - friendly animals everywhere

PTSD dogs

Pet therapy

Reframe thinking

Care for something- make it matter

Enhances wellbeing

Drop-in centres - much more than just registration centres - explanation: There is often registration centres set up post disaster to provide specific government assistance (eg 1 desk per government provider/supporter) to provide service on particular or constrained basis. It may be efficient/effective to also have a 'drop-in' centre also immediately available. The 'drop in' centre which is a safe/friendly environment with someone to chat with - to commence the psycho-social recovery process early and prevent it exacerbating. Drop-in centre staff could be friendly people with possible experience of personal recovery.

Become customer focused in achieving long-term sustainable outcome for individuals recognising that this will cost in short-term though deliver net benefits in long term

Adopt pre-planning and surge capability models

Move to 'top of cliff' from 'ambulance at bottom'

Give or build personal resilience for individuals to face adversity ahead of any event

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Putting strategy in place

Support to responders

How to help the helpers? Tired

Training pre-event eg all levels

Strategy and preparation

Instigate S elements - Calm + secure, self efficiency, connect

Start discussions now across agencies

Red cross - ministry of health - Red cross

Are the right people involved - wider community

MoH Lead Agency

In development

Consultation with Christchurch stakeholders, Whanganui floods, urban/rural etc

Consult with previously effected people

Local environment

Commonalities

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What's in Place

Conversations with community in some councils/districts eg Hamilton
WREMO works with community emergency plans

Legislative frameworks
Local council EMO - regional engagement, initiatives, training programmes, volunteer coord, schools - feedback to develop pathways

Making by-laws and regulations
Response plans to various disaster contingencies

Risk mitigation plans - prevention

CDEM act (2002) - CDEM plans

What's Missing

Many don't consult

Rules and regs too rigid

Discussions need flexibility

Development has funds but communities don't
No meaningful communications of integration and input

Loudest voice always wins! This is NOT fair
Across all entities: Sexism, racism, ageism, disableism, voiceism, population, classism, power-fluxism
Formal community consultation on DRR matters

Communication around risk/risk mitigation

Local participation in disaster exercises and campaigns

Local leadership in DRR

What's next/solutions

Regulators create platforms for community made decisions
Clear open dialogue between govt governance discussions that effect community responsibilities
Consultation on the DRR should not be constrained by legislation - suggest that DRR consultation could be better discussed on better processes and systems

Educate the rights and powers of the community to effect change.

Better and more open dialogue between govt agents and communities

All inclusive approach that includes everybody

Better use of community mapping: important places like centres, schools, cabs, tree/nature, heritage
Pref should be that the community is better communicated to in simple language

Identify local neighbourhood leaders
Be visible-visible in your approach/good leadership. Choose the right leader to be your voice/dart board. Fight for your rights to do the right thing in CD in an/during a disaster.

Magnify: Increase hazard awareness (alarming local hazards)
Assigning leaders, local personalities

Having formal open meetings with community on DRR - 'overcoming apathy'
Assigning /sharing responsibilities/tasks
Incentives for success

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What's in Place

Lots of business associates already

Lots of sector professional groups eg IPENZ

Lots of business-based NGOs

Ministry of Business (super ministry)

Memis of udnerstanding between local govt and businesses eg Auck council and rotary

Transportation and infrastructure

IT disaster recovery ie continuity plans are in place eg BNZ canterbury putting data on cloud

Private business continuity plans

What's Missing

Resilience not embedded in business continuity planning

Need to run disaster scenario exercises regularly

Business continuity and resilience in education at all levels

Insurances - do businesses appreciate their level of insurance and whether it is enough. Check their policy especially SMEs

What next? / Purpose

Utilise existing business associations at local level

Develop incentives through insurance to develop and grow business continuity

Practice simulations in a video game - should include an insurance aspect for the youth market

Grassroots up resilience planning to inform govt (super ministry)

Run local workshops with the businesses to ask what are your critical eneds to keep your businesses resilient? Prioritise and feed to govt

Utilise existing business associations at local level to develop business resilience planning.

Develop incentives through insurance to develop and grow business continuity byL - reducing cost of premium based on businesses' continuity planing

Practical simulations in a video game that show insurance and other continuity mechanisms for youth business markets and all demographics

Building participation to foster learning of the value of business continuity eg farm simulation app

Grassroots-up resilience planning to inform govt: local chamber of commerce to regional chambers of commerce to national conversation]

Run local workshops with the businesses to ask what are their critical transport needs to keep their businesses resilient - transportation requirements to keep supply lines open for business and community - use online voting platform

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