Project	Team	Completion	Hazard EQ-earthquake, F-flood, V-volcanic, T-Tsunami, GS-ground shaking, LQ-liquefaction, LD-landslide											WW-waste]
		Completion	EQ	LQ-IIQUETACTI	F	V	тс		EP PW	ecoms, TP	r-transpor				Scope	ponent	vork	Network Svstem of	em of ems	erability	Functional Impact	very	o-economic	Notes	Funding
			GS	LQ LD						ww	sw 1	тс	TP F	F Othe	er	Com	Netr		Syst	۸n		Reco	Soci		
	Aghababaei, Costello, Ranjitkar	2019 (PhD)	x	x x	x		x						x	Solio		x				x	x			South Island Focus	RNC/QuakeCoRE
2 Interdependent national infrastructure	Zorn, Shamseldin	2017 (PhD)						×	x	x		x	x x	Was		x		x		x				Outputs	RNC/QuakeCoRE
	Zorn, Shamseldin	2017 (PhD)						x x	X	x		x				X					X			Outputs	UoA
	Farvizi, Melville	2018 (PhD)					x		- 1				х		х										NHRP
5 Tsunami loading and performance of NZ wharves	Popovich, Wotherspoon	2017 (PhD)					х						х		х				х	х					UoA, NHRP
6 Seismic response of NZ wharves	Ragued, Wotherspoon	2017 (PhD)	х										х		х					х					UoA
	Bellagamba, Bradley,																								
	Hughes, Wotherspoon	2019 (PhD)	x	х					х						х	x			x		x		х	Christchurch	RNC/QuakeCoRE
8 Electricity Distribution Network Assessment to Extreme Natural Hazards	Liu, Nair	2019 (PostDoc)	X	х х	х			х х							Х	х				Х	Х		Х		RNC/QuakeCoRE
9 Water supply system resilience measurement	Balaei, Wilkinson	2017 (PhD)	X 2	х х				х	х							Х		Х	х		X		х		UoA
10 Resilience of Stormwater Management systems	Valizadeh, Shamseldin	2018(PhD)			х						х					Х				х	X				RNC/QuakeCoRE
	Davies, Wilson, Davies,																								
Assessment of multi-hazard impacts on regional infrastructure and consequent implications for	Gaillard, Wotherspoon,																								
11 isolated settlements and their communities	Hughes	2018 (PhD)	x	х х	х		x	x x	х	х	х	х	x x	х		х		х	х	х	х		х	West-Coast Focus	RNC Rural
Developing tsunami vulnerability functions and functionality/repair time models for critical	Williams, Wilson, Horspool,						1 1																		
	Hughes, Lane, Davies	2018 (PhD)					х	x	х	х	х	х	х х	х	х	х				х	х		х		UoC, GNS Core
	Blake, Wilson, Deligne,																							Internationally applicable with a focus on	
	Lindsay, Cole	2016 (PhD)				х	1 1						х		х	x			x	х	x			Auckland and roads	UoC
	Hayes, Wilson, Leonard,																							Internationally applicable with a focus on	
14 Clean-up and restoration of urban environments after volcanic eruptions	Deligne, Brown, Cole	2018 (PhD)				х	1 1						х	Was	ste	x				х	x			Auckland urba environment	UoC
	Giovinazzi, Nayyerloo,																								
15 Performance of the Telecommunication Network during the Canterbury Earthquake Sequence	Esposito,	2017 (RfP)	x	х								х			х					х					RNC/QuakeCoRE
							1 1																	Review limited to published flood vulnerability	
16 Literature review of flood vulnerability models for infrastructure assets.	Crowley, Paulik	2017 (NIWA Cr)			х		1 1	x	х	х	х	х	x x		х				x	х				models for infrastructure assets.	NIWA Core
	Afzal, Ranjitkar, Costello,																								
17 Resilience of Urban Transportation Infrastructure	Wotherspoon	2019 (PhD)	x	x x	х	х	х						х			x				х	x			Auckland Focus	RNC/QuakeCoRE
	Tsang, Lindsay, Coco, Wilson,																							Internationally applicable with a focus on	
18 Modelling the Hazard Footprint and Consequences of Lava Flows in an Urban Environment	Kennedy, & Delinge	2019 (PhD)				х	1 1	x	х	х	х	x	х		х					х				Auckland and the built environment	UoA
19 Development of a tool to assess the resilience of Canterbury lifelines	Ball, Megan	2017 (ME)	X	х х	х	х	Х	X	х	х	х	Х	х х	х		Х		Х			X			High level, regional focus	Canterbury Lifelines
																									UoA International
20 Electricity Network Assessment during Alpine Fault Event	Shirzadi, Nair, Liu, Austin	2020 (PhD)	x	х х				х							х	Х				х	x		х	West Coast Focus	Doctoral Scholarship
Effective Restoration Practices and Improvement of electricity/communication nexus																									
21 infrastructure following extreme natural hazard	Maina, Nair, Liu	2020 (PhD)	x	х х				x							х	х				х	x		х	Kaikoura Focus	TBD
Characterising long-term ground deformation impacts on Christchurch City's buried high	Hughes, Wotherspoon, van																								
22 voltage electricity network since the start of the Canterbury Earthquake Sequence	Ballegooy	2018 (ME)	x	х				X							х					х				Christchurch Focus	RNC/QuakeCoRE
23 Tsunami loading characteristics on power poles	Whittaker	2018 (ME)					Х	х							Х					Х					RNC/QuakeCoRE
	Crawford-Flett, Shamseldin,																								
	Wotherspoon	2018 (ME)	x	х х	х									х	х	х									RNC/QuakeCoRE
25 End-to-End' integrated impact assessment of infrastructure networks	Syed, Uma, Prasanna	2018 (PhD)	X	х х	Х	Х	Х	X	Х	Х	Х	Х	х х	Х				Х	х	х	X		Х	Framework Development	RNC/QuakeCoRE
		2020 (01.0)	V .	v v									v		v				v						Callaghan
	Lew, Wotherspoon, Al-Ani	2020 (PhD)	A 1	^ ^									A 1		^				^						Callagilall