

CSP Research Proposals 2020/21: Initial prioritisation

These tables summarise research proposals for delivery by the Bycatch Programme in 2020/21, for consideration by the RAG. The proposals have been given initial prioritisation according to the framework described in the CSP Strategic Statement 2018. Projects are ordered by ranking.

Proposal	Title	Duration	Cost/ annum (\$ 000s)	Total cost (\$ 000s)	CSP Objective	Weighted score
INT-1	Observing commercial fisheries	1	N/A	N/A	A, B, C	N/A
INT-3	Protected coral identification and awareness	1	\$40,000	\$40,000	B,C	5.00
INT-2	Identification of marine mammals, turtles and protected fish captured in New Zealand fisheries	3	\$15,000	\$45,000	B, C	4.45
INT-4	Hoiho dietary study	2	\$50,000	\$100,000	B, C	4.15
INT-7	Post-release survival of protected sharks and rays	3	\$50,000	\$150,000	A, B, C	4.05
INT-6	Assess seabird post-release survival from bycatch in commercial fisheries	1	\$50,000	\$50,000	B, C	3.90
INT-5	Investigation of New Zealand fur seal (NZFS) bycatch in the Cook Strait Hoki fishery and mitigation options	3	\$350,000	\$1,050,000	C	2.50

Proposal	Title	Duration	Cost/ annum (\$ 000s)	Total cost (\$ 000s)	CSP Objective	Weighted score
POP-2	Identify basking shark feeding strategies	2	\$30,000	\$60,000	B, E	4.90
POP-5	Utilisation of the marine habitat of Yellow-eyed penguins from Stewart Island/Rakiura	1	\$50,000	\$50,000	D, E	4.20
POP-7	Seabird population research: Chatham Islands	1	\$30,000	\$30,000	E	4.20
POP-12	Age estimation of white sharks from New Zealand waters	1	\$25,000	\$25,000	E	4.00
POP-14	Basking shark habitat use and distribution	3	-	\$120,000	E	4.00
POP-8	White-capped albatross research and monitoring - Disappointment Island (2020-23)	3	\$40,000	\$120,000	E	3.95
POP-11	Connectivity and demographics of Hector's dolphin in the top of the South Island	3	\$250,000	\$750,000	E	3.95
POP-16	Salvin's albatross population monitoring methodology assessment- Bounty Islands (2020/21)	1	\$20,000	\$20,000	E	3.95

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POP-9	Gibson's albatross - Auckland Islands seabird research	3	\$100,000	\$300,000	E	3.55
POP-15	Light mantled sooty albatross population monitoring methodology assessment – Auckland Islands	3	\$40,000	\$120,000	BCBC	3.55
POP-10	Assessment of causes of low burrow occupancy rates in Westland petrels	2	\$80,000	\$160,000	E	3.45
POP-1	Protected coral reproduction study	2	\$50,000	\$100,000	E	3.35
POP-6	Movements and habitat use by spine tailed devil ray	3	\$50,000	\$150,000	E	3.10
POP-17	Grey petrel population estimate – Antipodes Island	2	Yr 1: \$20,000 Yr 2: \$80,000	\$100,000	E	3.10
POP-4	Investigating foraging plasticity for north-eastern New Zealand seabirds	2	\$70,000	\$140,000	D	2.90
POP-3	Ecology of provisioning for seabirds in north-eastern New Zealand	2	\$70,000	\$140,000	D	2.55

Proposal	Title	Duration	Cost/ annum (\$ 000s)	Total cost (\$ 000s)	CSP Objective	Weighted score
MIT-9	Hook-shielding use in the surface longline fishery	2	Yr 1: \$110,000 Yr 2: \$150,000	\$260,000	A	4.60
MIT-1	Protected Species Liasion Project	3	Yr 1: \$350,000 Yr 2: \$450,000 Yr 3: \$450,000	\$1,250,000	A	4.45
MIT-6	Adaptive Management tool use to improve sink rates	1	\$70,000	\$70,000	A	4.45
MIT-8	Mitigation gaps analysis towards reducing protected species bycatch	1	\$60,000	\$60,000	A	4.45
MIT-4	Effectiveness of night setting as a mitigation measure	1	\$80,000	\$80,000	A	4.35
MIT-5	Demersal Longline Mitigation	1	\$80,000	\$80,000	A	4.35
MIT-7	Improving engagement of fishers with seabird advocacy	3	\$10,000	\$30,000	A	4.30
MIT-2	Multi-taxa bycatch reduction technology: set-net illumination	2	\$50,000	\$100,000	A	4.25
MIT-3	Rope modifications to reduce whale entanglements in pot fisheries	1	\$25,000	\$25,000	A, B	4.20
MIT-10	Investigating potential impacts and opportunities of transitioning setnet fisheries in hoiho habitat	1	\$30,000	\$30,000	A	4.10