

CSP Research Proposals 2022/23: Initial prioritisation

These tables summarise research proposals for delivery by the Bycatch Programme in 2022/23, for consideration by the RAG. The proposals have been given initial prioritisation according to the framework described in the CSP Strategic Statement. 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	-
INT 11	Risk Assessment for Protected Corals	1-2	\$150,000	\$150,000	C, E	4.80
INT 9	Determining the resilience of the black coral <i>Antipathella fiordensis</i> to fisheries impacts	3	\$40,000	\$110,000	B,C, E	4.70
INT 2	Identification of seabirds captured in New Zealand waters	3	\$70,000	\$210,000	B, C, E	4.45
INT 3	Identification and storage of cold-water coral bycatch specimens	3	\$60,000	\$180,000	B, C, E	4.45
INT 6	Impact of fishing on the ecosystem services provided by deep-sea corals in the New Zealand region	1	\$70,000	\$70,000	B, C, E	4.25
INT 4	Observed marine mammal sightings database	1	\$20,000	\$20,000	B, C	4.10
INT 10	Documenting cryptic coral diversity in fisheries bycatch	1	\$28,000	\$28,000	B, E	4.10

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INT 7	Post-release survival of spine-tailed devil ray taken as incidental bycatch in the New Zealand skipjack tuna purse seine fishery	3	\$33,600	\$101,000	A, B, C	4.05
INT 8	Investigate and characterise the behaviour of Hector's dolphins around set nets at Kaikōura	1	\$150-200,000	\$150-200,000	B	3.05
INT 5	Pelagic foraging seabirds in the wider Hauraki Gulf region	1	\$60,000	\$60,000	D	2.70
POP 2	Black Petrel research	3	\$70,000	\$210,000	B, E	4.10
POP 1	Flesh-footed shearwater additional proposed research	2	\$30,000	\$60,000	B, E	3.95
POP 16	Deep sea protected coral reproduction study	2	\$40,000	\$80,000	E	3.75
POP 21	Into the Unknown: Cataloguing decades of undocumented protected coral specimens	1	\$35,000	\$35,000	E	3.75
POP 6	Northern Buller's albatross	1	\$30,000	\$30,000	B, E	3.60
POP 8	Northern royal albatross	2	\$25,000	\$50,000	B, E	3.60

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POP 3	Westland petrel additional proposed research	1	\$40,000	\$40,000	B, E	3.45
POP 4	Auckland Island seabird research: Gibson's and white-capped albatross	3	\$160,000	\$480,000	B, E	3.45
POP 19	Auckland Islands New Zealand sea lions	3	\$100,000	\$300,000	E	3.45
POP 7	Antipodean island seabird research: Antipodean albatross + white chinned petrel	3	\$160,000	\$480,000	B, E	3.10
POP 11	Otago and Foveaux shags	3	\$60,000	\$180,000	B, E	3.10
POP 12	Spotted shag	1	\$30,000	\$30,000	E	2.70
POP 15	Hutton's shearwater	2	\$40,000	\$80,000	B, E	2.40
POP 20	Campbell Island Seabird Research: Southern Royal Albatross, Grey-headed albatross	4	\$80,000	\$320,000	E	2.40
POP 14	Grey petrel	2	\$90,000	\$180,000	B, E	1.90

Proposal	Title	Duration	Cost/ annum (\$ 000s)	Total cost (\$ 000s)	CSP Objective	Weighted score
MIT 8	Longline hauling mitigation devices	2	\$70,000	\$140,000	A	4.10
MIT 7	Understanding drivers and barriers to mitigation uptake in small vessel bottom longline	1	\$50,000	\$50,000	A	4.00
MIT 12	DOC Coral Symposium 2022/23	1	\$20,000	\$20,000	E	3.95
MIT 4	Bait retention as a driver to mitigation use in the surface longline fishery	1	\$30,000	\$30,000	A	3.85
MIT 1	Large trawl vessel warp mitigation	1	\$30,000	\$30,000	A	3.60
MIT 10	Light mitigation	1	\$50,000	\$50,000	A	3.45
MIT 11	Economic Aspects of Bycatch Reduction	1	\$15,000	\$15,000	A	3.35
MIT 2	Inshore trawl warp mitigation	1	\$100,000	\$100,000	A	3.25
MIT 5	Weak hook trials in the surface longline fishery	2	\$80,000	\$160,000	A	3.25