

Appendix I. Program information

Table 1. Table of all projects funded in the program.

	Round 1	Round 2	Round 3	Round 4
Seagrass	[Funded]			
Habitat structure	[Funded]			
Coral Health	[Funded]			
Semi automation of bleaching and disease	[Funded]			
Rapid Response	[Funded]			
Trait Based Workshop	[Funded]			
<i>Ocean Acidification</i>				
Calcification CCA	[Funded]			
Calcification Foraminifera	[Funded]			
Carbon Budget	[Funded]			
Ocean acidification visualisation		[Funded]		
Carbon Chemistry	[Funded]			
CO ₂ Seeps	[Funded]			
Seagrass pH	[Funded]			
Buffering	[Funded]			
<i>Genomics</i>				
Sea-quence bioinformatics	[Funded]			
Coral genomes along environmental gradients		[Funded]		
Connectivity				[Funded]
<i>Innovative solutions</i>				
Novel coral settlement surfaces	[Funded]			
Biopolymers surface films to attenuate light			[Funded]	
<i>ReefConnections</i>				
Prototype Common 'Live' Habitat Map		[Funded]		
Biological enhancement of CONNIE		[Funded]		
Spatially-realistic system model			(fellowship only)	(fellowship only)
<i>Integration projects</i>				
eReefs	[Funded]			
Reef Resilience Index		[Funded]		
Integrated Decision Making		[Funded]		
A spatial reef resilience plan				[Funded]

The program transitioned from a starting portfolio with a focus on attributes of a resilient reef (comprising 50% of a total of 16 Round 1 projects), to a portfolio of, large integrated projects with a clear management focus. Over the life of the program, 50% of the funding was been allocated to large, integrated and multi-institutional projects.

In addition to the programs presented in the summary report, several workshops and small pilot studies were implemented. These are presented in the table below.

Table 2. Minor projects, workshops and pilot projects not included in the summary document.

Project title	Research institutions	Objective and outcome
Semi-automation of bleaching and disease	University of Queensland	Testing the feasibility of using computer vision algorithms to monitor bleaching and disease. Showed the capacity of computer learning to automate visual surveys that detect bleaching and disease.
Trait based workshop	Hosted by AIMS	Expert workshop to explore quantitative traits for measuring impacts of climate change. Published workshop report
Pre-and post-surveys around Cyclone Ita	University of Queensland	Testing the utility of the Catlin Seaview survey to study cyclone impacts. Showed the utility of photo transects to categorise and catalogue impacts of cyclone damage
Reef-scale impacts of changing climates on calcification by large benthic foraminifera	University of Sydney	To identify the impact of climate change on benthic foraminifera, who play an important role in the sediment dynamics and stability of coral cays. Showed that large benthic foraminifera are relatively resilient to predicted changes in ocean pH.
Reef restoration; novel surfaces	Southern Cross University	Exploring the impact of settlement surface structure for improving settlement of coral larvae. Larvae sized crevices and indents promote settlement.

Reef resilience index	University of Maryland	<p>Scoping study to develop a reef resilience index as a communication tool around the impacts of climate change on coral reefs.</p> <p>Provided foundations for the development of a resilience framework, which supports resilience based management</p>
Integrated decision making	Reef Ecologic	<p>Scoping study around the relevance of natural capital as a framework for reef decisions</p> <p>Evolved into the scoping of a reef resilience framework.</p>