

Citizen science projects for Queenslanders

Energy, space, climate and weather			
Project name	Subject	Aims	Project location
Galaxy Zoo Radio - Zooniverse	Black holes	Discover black holes: help astronomers discover supermassive black holes observed by the KG Jansky Very Large Array (NRAO) and the Australia Telescope Compact Array (CSIRO)	Global
ClimateWatch	Climate change	To record seasonal behaviour observed in plants and animals to help understand how the environment is responding to climate change.	Australia
GLOBE	Climate/weather	The Global Learning and Observations to Benefit the Environment (GLOBE) Program is a NASA sponsored international science and education program that provides students and the public worldwide with the opportunity to participate in data collection and the scientific process, and contribute meaningfully to our understanding of the Earth system and global environment.	Global
Planet Four: Craters - Zooniverse	Mars/craters	To help planetary scientists identify and measure features on the surface of Mars. Classify craters from photos taken by the HiRISE (High Resolution Imaging Science Experiment) and CTX (Context) cameras on board the Mars Reconnaissance Orbiter.	Global
Storm Spotter Network	Climate/weather	Provide on the spot information on damaging thunderstorms to the Australian Bureau of Meteorology as part of the Severe Thunderstorm Warning Service.	Australia
CSIRO Energise	Energy	The CSIRO Energise app will gather important data about household energy use across Australia, which can then inform ongoing CSIRO energy research and support decision making on Australia's energy future.	Australia
Fireballs in the Sky	Meteorites	The Fireballs in the Sky app allows you to get involved with the Desert Fireball Network research by reporting your own fireball sightings to our scientists. We use your reports to track the trajectories of meteors – from their orbit in space to where they might have landed on Earth.	Australia
AstroQuest	Space	To understand how galaxies grow and evolve. Inspect images of galaxies from a computer or laptop with an internet connection.	Australia
Weathex	Weather	Help climate researchers track extreme weather events in real time. Your reports will appear as markers in the app, along with all the extreme weather events reported by other users in the last 24 hours.	Australia
Litter			
Project name	Subject	Aims	Project location

Marine Debris Beach Cleanups	Litter	The Discovery Coast Environment Group is a very small group of volunteers which takes on a number of projects to care for natural resources in the Agnes Water region. The group collects seasonal data for the QLD Turtle research program and undertake monthly litter clean-up activities on beaches. National parks, and other areas impacted by tourism activities. Litter clean-up is increased to fortnightly activities during school holidays. Litter is counted, weighed, and sorted into two categories. Data is stored by the group and informs future activities by the group. The data is not currently shared with the AMDI, but may be in the future if the groups limited time resources allow for it.	Agnes Water, Queensland
DuneWatch	Multiple species	To give the community an opportunity to assist in collecting vital information on the health of the sand dunes and learn about the native dune vegetation and invasive species. The program will contribute to expanding the knowledge of the local dune systems.	SEQ
Take 3 For The Sea	Litter/marine debris	To reduce plastic pollution in the ocean. Take 3 pieces of rubbish with you when you leave the beach, waterway or anywhere and you have made a difference.	Australia
Australian Marine Debris Initiative (AMDI)	Litter	The aim of this project is to: 1. Remove marine debris from the marine environment; 2. To collect scientific data on what is removed; 3. To use this data to track marine debris back to the source; 4. To engage stakeholders and create awareness & strategies that prevents marine debris from occurring.	Australia
Precious Plastics	Plastics	Precious Plastic is dedicated to enabling grass roots plastic recycling efforts by providing essential equipment for small scale plastic re-processing and production. All machines are built based on open source Precious Plastic designs. Within Queensland, the project has locations on the Thursday Islands and in Brisbane	Global

Marine and freshwater life - fish, sea turtles, seaweed etc

Project name	Subject	Aims	Project location
Saving Nemo, IC-ANEMONE	Clownfish and anemones	To learn more about clownfish and anemone conservation.	Australia
Moreton Bay Dugong Watch	Dugong	For citizen scientists to report any sightings of dugong in the Moreton Bay region.	Moreton Bay, Queensland
Agnes Water Turtle Monitoring	Sea Turtles	Data Collection of Turtles Nesting in the Agnes Water Region	Agnes Water, Queensland
SCF Citizen Science - Recreational Fishing Program	Fish	SCF Members can help research the fish biodiversity in Australian waters. This is expected to provide data on an additional 60,000 fish per year.	Australia
Keen Angler Program	Fish	The main aim of the Keen Angler Program is to source fish samples (frames) from recreational fishers. The biological information collected from	Rockhampton

		these samples and other information collected from recreational and commercial fishers is used to assess the health of fish stocks. These assessments help evaluate the effectiveness of fisheries management arrangements.	
InfoFish/TrackmyFish	Fish	InfoFish works with trained recreational fishers to collect catch data and tag fish in Queensland fresh, estuarine, and marine waters. Data on target species (eg Barramundi) inform stock predictions for the following year and from 2017 a new system will allow for species specific forecasting and real time catch data. Data is anonymised and provided on a 1x1km spatial scale reporting: effort and landings, species catch diversity, length frequency, seasonality, and migration.	Queensland
Project Manta	Manta Rays	To provide scientific knowledge about manta rays through investigating movement patterns, population levels, behaviours, food availability, and the influence of oceanic features (including climate change) on manta populations.	Queensland
Restore Pumicestone Passage	Oysters	To scientifically examine the best methods of restoring subtidal shellfish reefs in Pumicestone passage and quantitate their effects on improving water quality and fish habitat in the passage and Moreton Bay.	Bribie Island, Queensland
Redmap (Range Extension Database and Mapping project)	Marine animals	Redmap (Range Extension Database and Mapping Project) is a citizen science project that invites members of the community to spot marine species that are outside of their usual range (or distribution) at various points around Australia. In collecting this information Redmap is generating a database of "out of range" sightings to assess which species are shifting their ranges and whether these shifts are consistent with warming waters. Redmap is hosted by the Institute for Marine and Antarctic Studies at the University of Tasmania in Hobart, Tasmania, Australia.	Australia
Reef Life Survey	Marine animals + Reef	Reef Life Survey (RLS) aims to improve biodiversity conservation and the sustainable management of marine resources by coordinating surveys of rocky and coral reefs using scientific methods, with the ultimate goal to improve coastal stewardship.	Australia
Minke Whale Project	Minke Whales	The MWP conducts multidisciplinary research into dwarf Minke whale biology and behaviour, the social and economic values of the whales and the sustainable management of swim-with-whales tourism. The MWP research team works with the GBR swim with Minke whales tourism industry, reef managers, and wildlife conservation NGOs.	Global
HHR East Coast Whale Monitoring	Whales & Dolphins	Humpbacks and High-rises aims to collect behaviour data on whales and dolphins along the east coast of Australia.	Gold Coast & Sunshine Coast, Queensland

Cooloola Underwater Biodiversity Assessment (CUBA)	Multiple species	The project provides a baseline 'state of the environment' video record, comparing underwater geology, sandbanks and marine species before proposed infrastructure development at one of the sites (the Norman Point Jetty Project that is currently being considered by Gympie Regional Council).	Cooloola, Queensland
Ornate Rainbowfish Survey	Rainbowfish	To save the ornate rainbowfish from extinction by 1) identifying the location of populations of this species and potential suitable habitat and, 2) raising public awareness about the species and the threats it faces. In the longer term the project aims to encourage action that builds resilience into the remaining ornate rainbowfish populations. This will involve supporting efforts, such as captive breeding programs, to ensure the species is protected from extinction.	Greater Brisbane/Redlands Region
Gold Coast Sea Slug Census	Sea Slugs	To find, identify, and record the variety of sea slugs from South Stradbroke Island to Cook island in 48 hrs	Gold Coast, Queensland
Searching for the Yellow Bellied Sea Snake	Sea Snakes	Primary aim: Collect sighting reports and tissues for DNA sequences of Australian sea snakes Secondary aim: Increase awareness and education for people who encounter these snakes on a regular basis.	Australia
Gold Coast Seagrass	Aquatic flora studies/marine studies	Gold Coast Seagrass surveys diversity and density of the marine vegetation, trends, algae cover as well as pipefish, sea turtles and more!	Gold Coast, Queensland
Seagrass Watch	Seagrass	Increase community awareness about the value of seagrass habitats; to improve the community's capacity to monitor, and to compile a regional database of citizen science-sources seagrass data to contribute to managing these valuable resources.	Queensland
Grey Nurse Shark Watch	Sharks	Grey Nurse Shark Watch aims to monitor the numbers of the Australian east coast population of Grey Nurse sharks and determine if it is increasing, stable, or declining, provide information on the distribution and movements at different stages in their life history, provide data to enable interactions with commercial and recreational fishing gear to be quantified, along with associated injuries and any shark recovery, help identify new aggregation sites, increase public awareness, provide data for management purposes via an open and transparent mechanism that involves interested parties.	Queensland
Shark Base	Sharks	SharkBase is a global shark* encounter database helping to map the distribution and structure of shark* populations worldwide.	Australia
Sharks and Rays Australia	Sharks, Rays, Sawfish	Sharks and Rays Australia conducts research with sharks, rays and sawfish in remote waters in tropical north Queensland. In order to do this, we have a limited number of citizen scientists join our expeditions every year. Sawfish are	Far North Queensland

		the most critically endangered species of sharks and rays in the world with Far North Queensland and Cape York river systems considered one of the species' last strongholds.	
TeamTurtleCQ	Turtles	The TeamTurtleCQ project involves citizen scientists recording data on marine turtles along the Capricorn and Curtis coasts of Central Queensland. Volunteers are trained to identify turtles, nests and the presences of threats building information to help marine turtle conservation.	Capricorn Coast, Queensland
TurtleCare	Turtles	To monitor turtles nesting on the beaches north and south of Rainbow Beach. Citizen scientists walking along these beaches in the early morning can look for turtle tracks or hatchlings and reporting them to the project leader. Even sightings of dead turtles or egg shells are useful data for research.	Cooloola, Queensland
Queensland Turtle Research Program	Turtles	Run by the former Department of Environment and Heritage Protection, now the Department of Environment and Science, this long term monitoring program trains volunteers at the Mon Repos field station and marine turtle nesting beach to conduct assessments on turtle species and numbers, seasonality of nesting and hatching, nest success, turtle condition, and tag number. Monitoring occurs all along the Queensland coast and small volunteer groups may be supported by their local councils or NRM groups to undertake Mon Repos training and field activities.	Bundaberg
Waterbug Blitz	Waterbugs	To reinvigorate the Australian community's awareness, concern for, and care of, their local waterways.	Australia
Waterbugs Gold Coast	Fauna studies/waterways	The program raises community and government awareness in the Gold Coast region and aims to distribute information on macro invertebrate composition, waterways health, trends and impacts. The program is open to the wider community	Gold Coast, Queensland
Wildbook for Whale Sharks	Whale sharks	The ECOCEAN citizen science program allows any member of the community to be involved in collecting important identification data on whale sharks by contributing photos into the ECOCEAN Whale Shark Photo-identification Library and using Wildbook for Whale sharks to identify and track them.	Global
GIRT Scientific Diver	Shipwreck Ecosystem	GIRT scientific divers are taught to document the condition of their 'adopted' shipwreck site using the GIRT methodology. GIRT members will record a range of observable and measurable data in conjunction with systematic photographic condition reporting of their site. Wrecks are assessed by the GIRT member for threats to their sites preservation allocating a threat assessment level of low, medium, high or severe. All data is entered through the	Global

		GIRT website (www.girtsd.org) and a report is sent to members who can choose to attach the file to the site's permanent record in the Australasian Underwater Cultural Heritage Database. In this way data is visible to other researchers for study and the activities of members is recognised.	
Great Barrier Reef			
Project name	Subject	Aims	Project location
Saving Nemo, IC-ANEMONE	Clownfish and anemones	To learn more about clownfish and anemone conservation.	Australia
Virtual Reef Diver	Coral	To identify areas of decreasing coral cover and other problem spots on the Great Barrier Reef.	Great Barrier Reef
ReefBlitz	Great Barrier Reef	An annual event that lets the community contribute to a snapshot of catchment and reef health and get involved in practical actions to help look after Queensland's reefs.	Great Barrier Reef
Eye on the Reef	Great Barrier Reef	Eye on the reef is a monitoring program that enables anyone who visits the Great Barrier Reef to contribute to its long term protection. The Eye on the Reef Project brings together four assessment and monitoring programs that collect information about the reef.	Great Barrier Reef
Reef Check	Great Barrier Reef	Reef Check Australia is an award-winning, not-for-profit environmental organisation that engages the Australian community in hands-on reef monitoring, education and conservation. We believe in protecting reefs and oceans by empowering people. Our teams of trained volunteer divers are part of a worldwide network of volunteers who regularly monitor and report on reef health in more than 90 countries. Each project uses the same standardised Reef Check scientific survey method and basic indicators, helping to both monitor reefs on a local scale and compare reef health on a global scale.	Global
Integrated Coral Reef Citizen Science Program	Great Barrier Reef	The Integrated Coral Reef Citizen Science Program project aims to collaborate with existing citizen science organisations utilising complementary reef monitoring projects (Eye on the Reef, Reef Check, Coral Watch) to expand our knowledge and share information regarding the health of the reef in the Townsville region including Magnetic and Palm Islands.	Townsville
CoralWatch	Great Barrier Reef	CoralWatch integrates global monitoring of coral bleaching with education about coral reef conservation. Volunteers record basic standardised parameters on coral health using the Coral Health Chart and simply match the colours on the chart with the colour of corals, one for the basic morphology types, and report on water temperature and location. Once data is uploaded an automated reply with the	Queensland

		<p>survey results in graphs is sent to the data uploader. If the recorded coral health values are low and there is a potential bleaching risk, an automatic "bleach risk" email will be sent, encouraging further monitoring of reporting to local authorities. Volunteers are encouraged to record at least 20 corals per trip. In 2016 >6100 corals in 129 surveys were conducted in Queensland reef environments between Cape York and Fraser Island. The CoralWatch methodology is validated and in a recent study the Coral Watch citizen science data was compared against National Oceanic and Atmospheric Administration coral reef watch data. The former Department of Environment and Heritage Protection, now the Department of Environment and Science, provided substantial funding to the Coral Watch program during 2016-2017.</p>	
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Water and soil quality

Project name	Subject	Aims	Project location
The Cooloola Sediment Investigation (CSI)	Sediment	As part of the Biodiversity Education and Action for the Cooloola Habitats (BEACH) Project, the Cooloola Sediment Investigation (CSI) will consist of 24 dives to collect underwater biodiversity and sediment data in the mouths of 8 urban and non-urban creeks that drain into Tin Can Inlet.	Cooloola, Queensland
Port Curtis Harbour Watch	Water	To increase knowledge of the general community in relation to the science of monitoring and reporting of waterway health. Expanding Harbour Watch to include monitoring of the broader Gladstone Harbour Catchment areas (fresh/estuarine/marine). Have fun working with like-minded people. Establish baseline water quality data of waterways within the Gladstone and Boyne/Tannum regions.	Gladstone
Cooloola Waterwatch	Water	To conduct monthly water quality monitoring in the Tin Can Bay, Cooloola Cove, and Rainbow Beach areas.	Cooloola, Queensland
Bulimba Creek Water Watch	Water	The Bulimba Creek Catchment Coordinating Committee (B4C) Water Watch team conducts consistent water quality testing and monitoring at specific sites around Bulimba Creek Catchment. Results are recorded so they can be compared and contrasted both throughout the year and over years.	Bulimba, Queensland
Eye On Water	Water	One of the most apparent characteristics of water to the human eye is water colour. Water colour indicates the algae and organic content to the water that feeds organisms. Observations of water colour and clarity can be contributed through the EyeonWater app.	Global
MyWater	Water (including chemistry, bugs,	To monitor the waterways in the Fitzroy Basin.	Fitzroy Basin, Queensland

	fish, vegetation, weeds)		
Wet Tropics Healthy Waterways Partnership	Waterways	Industries, community organisations, academic institutions, and governments working together to enhance the resilience of the reef.	Far North Queensland
Creek to Coral	Waterways	A combined Townsville Council and Queensland Government initiative to educate community to maintain and enhance our healthy waterways in the coastal dry tropics.	Townsville, Queensland
STEM Waterways Citizen Science Project	Waterways	To enable school teams to learn to: study aspects of estuarine waterways in depth, identify areas of scientific importance and interest, engage in good STEM practices and gain access to technologies and experts in order to create viable data and information that is a valuable contribution to local, and potentially global knowledge on largely undervalued mangrove systems	Cairns, Queensland
Waterquality Gold Coast	Waterways health	The program raises community and government awareness in the Gold Coast region and aims to distribute information on waterways health, trends and impacts. The program is open to the wider community.	Gold Coast
Native reptiles and frogs			
Project name	Subject	Aims	Project location
CrocWatch	Crocodiles	Provides data on estuarine crocodile movement.	Queensland
FrogWatch	Frogs	Gather information about the frogs of North Australia and their distribution. Identify which species are present and increase community awareness about frogs.	FarNorth Queensland
Frog ID	Frogs	To help protect threatened species of frogs across Australia. Provides data on frog distribution through an app.	Australia
TurtleSAT	Turtle	Australia's freshwater turtles are under serious threat, and they need our help for survival! To ensure their survival, some important evidence needs to be gathered, and it needs to be gathered quickly.	Australia
Pests and weeds			
Project name	Subject	Aims	Project location
Weed Biological Control	Biocontrol	This project aims to collect and aggregate information on the known distribution, availability and redistribution methods of weed biological control agents in Australia.	Australia
BioControl of Cacti in SW Queensland	Biocontrol	To improve knowledge , awareness and participation of bio control activities for invasive weeds, primarily cacti in the mulgalands of SW QLD	SW-Queensland
DuneWatch	Multiple species	To give the community an opportunity to assist in collecting vital information on the health of the sand dunes and learn about the native dune vegetation and invasive species. The program will contribute to expanding the knowledge of the local dune systems.	SEQ

FeralScan	Ferals	FeralScan is a citizen science initiative under PestSmart, a programme of the Invasive Animals CRC. FeralScan aims to collect information about a range of pest animals throughout Australia.	Australia
Cane Toad Challenge	Pests	To turn cane toad's own toxins against them, which has the potential to eradicate cane toads	Queensland
MyPestGuide	Pests	The information gathered helps to strengthen and support Australia's growers and access and gain new trade markets. MyPestGuide was developed to encourage everyone to report observations of any common, interesting, or possibly exotic pests as well as the absence of pests across Australia	Australia
Toadwatch/ToadBusters	Pests	Aims to minimise the damage that toads cause to the environment and biodiversity.	North-East Australia
Redlands WeedSpotters	Weeds	To develop a user friendly, accessible and multi-functional tool for identifying, reporting and educating the local community on target emerging weeds.	Redlands, Queensland
Weed Spotters Network Queensland	Pests/Weeds	Establish and support a weed incursion detection capability focused on the early detection of new and emerging weeds through harnessing and fostering community interest and skills in collecting and identifying weeds.	Queensland
Human health			
Project name	Subject	Aims	Project location
World Mosquito Program	Human health	Uses a <i>Wolbachia</i> bacteria to reduce the ability of mosquitos to transmit viruses by releasing a controlled number of mosquitos that carry Wolbachia into dengue affected communities where they breed with local mosquitos.	North Queensland
Zika Mozzie Seeker	Human health	To increase confidence that Zika mosquitos are not in the sampling area. This subsequently protects against the risk of mosquito bourne disease outbreaks from Zika, dengue, and chikungunya.	Metro South Queensland
The Dignity Project	Human health/human wellbeing	The Dignity Project is a digital engagement and analysis platform where people with disabilities can share, reinterpret and analyse collective experiences, enabling them to generate service and design innovations for the future.	Australia
Open Source Malaria Project	Human health	The Open Source Malaria project is trying a different approach to curing malaria. Guided by open source principles, everything is open and anyone can contribute.	Global
STEM Champion Mozzie Hunters	Human health/mosquitoes	This project will develop STEM-based secondary school modules where student scientists collect mosquito eggs to monitor and model mosquito population size, and use molecular methods to detect the potential presence of exotic mosquitoes such as <i>Aedes albopictus</i> and <i>Aedes aegypti</i> .	Queensland
Insects			

Project name	Subject	Aims	Project location
School of Ants	Ants	School of Ants Australia aims to document the diversity, distribution and diet preferences of Australia's dominant ground foraging ants; those ubiquitous little black ants that infiltrate homes, backyards, parks and schools.	Australia
Bees in the 'burbs in a biodiversity hotspot	Bees	To inform, raise awareness, and share science-based recommendations for saving native bees To encourage citizens to go out in nature and observe native bees, and collect data on when and where native bees are, and their use of bee hotels	Australia
Richmond Birdwing Conservation Network	Butterflies	Conservation of the Richmond birdwing butterfly and its host plant the Richmond birdwing vine by establishing vine refuges and create awareness and support for conservation in the broader community.	Queensland
The Caterpillar Conundrum	Caterpillar	The aim of The Caterpillar Conundrum is to learn about the interactions between caterpillars and their parasitoids. We want to build a database of knowledge about which parasitoids infects which species of caterpillar. Get ready to view the lifecycle of a moth or butterfly up close.	Australia
Bugcatch Survey	Insects	To utilise the specialist insect collecting and identification skills of society members to assist DERM to compile lists of invertebrates for protected areas (National Parks, Forest Reserves, State Forests, etc). Members are asked to supply lists of species collected, and these are included by DERM in their faunal databases.	Queensland
UQ Entomology Collections	Insects	To capture data from student collections	Queensland
Wild Pollinator Count	Pollinator	The Wild Pollinator Count gives you an opportunity to contribute to wild pollinator insect conservation in Australia. We want you to count wild pollinators in your local environment and help us build a database on wild pollinator activity.	Australia
Native plants and fungi			
Project name	Subject	Aims	Project location
Fungimap	Fungi	Fungimap aims to catalogue and document all species of fungi in Australia and to raise the public awareness and appreciation of fungi. This national fungi names checklist is managed and curated by expert mycologists, but public participation in submitting sightings is encouraged.	Australia
The Mycology Research Project	Fungi	To train citizen scientists to study, research and contribute data on Queensland fungi; to raise awareness about the benefits of mycology (the studying of fungi); and make this science easily accessible to the Queensland community.	Woodford, Queensland

The Wild Macadamia Hunt	Macadamia trees	To find wild macadamia trees - transplanted or naturally occurring - and to identify the genetic relationships between these trees and other wild macadamia trees and populations	Queensland
Mangrove Citizen Science Gold Coast	Mangroves	Mangroves are an ideal indicator for climate change and support important species of migratory birds. The citizen science program ensures that more information is collected on the Gold Coast mangrove habitats to assist urban planning and protection of mangroves and salt marsh vegetation.	Queensland
DieBack	Dead Trees	Collect observations about potential dieback areas as soon as possible, and hopefully before entire ecosystems are under severe stress. Observant citizen scientists, criss-crossing the country are the ones most likely to see the early warning signs or stressed and dying Eucalypt trees	Australia
Wild Orchid Watch	Orchids	A national citizen science project designed to collect, record, and share scientific information about Australian native orchids.	Australia
MangroveWatch Cairns	Mangroves	To work with citizen scientists to monitor three major estuaries and associated creeks in Far North Queensland: Barron River, Trinity Inlet and Russell-Mulgrave. This project will also provide training and facilitate citizen science saltmarsh condition monitoring at 10 sites, involving trained teams heading out on their own boats to record data on the water.	Far North Queensland
Evaluation of large-scale tree plantings	Trees	Citizen scientists will team up with members of environmental and catchment groups to examine the Wacol precinct for tree health (including presence of myrtle rust), level of weed invasion, and the presence of reptiles, mammals and birds.	Wacol, Queensland
Griffith University Arboretum Tree Register	Trees	To record the location and condition of trees in the Griffith University Arboretum. Please contact the Slacks Creek Catchment Restoration Group on Facebook or via email for upcoming community days.	Griffith University Campus, Logan, Queensland
Veteran and Significant Trees of the Redlands	Trees	The objective of this project is to identify and map veteran and significant trees in the Redlands mainland and islands.	Redlands, Queensland
Dead Tree Detective	Trees	The aim of the project is to collect observations of dead or dying trees around Australia. It sounds a bit grim but knowing where and when trees have died will help us to work out what the cause is, identify trees that are vulnerable, and take steps to protect them.	Australia
Native birds			
Project name	Subject	Aims	Project location
Bell Miner Colony Project	Bell Miners	To collect information on bell miner colonies throughout their distribution so we can gain an understanding on their natural history and habitat choices as a species.	Australia

Killarney Bird List	Birds	To publish a list of birds in the Killarney area. Bird photographs and observation details will be collected and published in a publicly available booklet.	Killarney, Queensland
eBird	Birds	eBird's goal is to maximize the utility and accessibility of the vast numbers of bird observations made each year by recreational and professional bird watchers. It is amassing one of the largest and fastest growing biodiversity data resources in existence.	Global
Aussie Backyard Bird Count	Birds	Once a year, fill a knowledge gap providing information on bird populations in urban areas not sampled by ecologists	Australia
Birds in Backyards	Birds	Birds in Backyards is a research, education, and conservation program focusing on the birds that live where people live and is filtered through the Birddata app.	Australia
Bulimba Creek Catchment Citizen Science Nest Box Monitoring	Birds	Identify which animals use artificial fauna nest boxes installed in local bushlands and parks. Citizen scientists will gather observational data using speciality monitoring equipment and analyse the data with support from Griffith University.	Bulimba Creek, Queensland
Developing and implementing new digital tools to enhance citizen-science bird banding efforts in Queensland	Birds	This project will develop user-friendly digital infrastructure in collaboration with Queensland's bird banding community to enhance their experience. Bird banding represents a valuable source of ecological data that can be used to track bird population health, population diversity and movement patterns.	Queensland
Bittern Project	Bittern + Wetland animals	This project aims to help ensure the long-term survival of bitterns as well as other species which inhabit the freshwater wetlands. The Bittern Project was started in 2007 in response to concerns over the plight of the Australasian and Australian Little Bittern.	Australia
Glossy Black Cockatoo Project	Glossy Black Cockatoo	A major aim of the Glossy Black-Cockatoo project is to produce a regional management plan for the Glossy Black-Cockatoo in South East Queensland. This is dependent on accurate records of birds as well as their habitats, particularly feeding sites and nesting locations.	Queensland
Queensland Gouldian Finch study	Gouldian Finch	To increase our understanding of endangered Gouldian Finch ecology and threats in northern Queensland. The project will help train citizen scientists, land managers, and ecotourism staff in collecting information on the Gouldian Finch, their habitat and their food sources.	Queensland
Ecology of Ibis	Ibis	Aims to get a better understanding of the distribution and abundance of the native White Ibis across Australia.	Australia
Manky Parrots: Mapping Psittacine Beak and Feather Disease in Australia	Parrots and cockatoos	This project aims to map the location of parrots and cockatoos infected with psittacine beak and feather disease in Australia.	Australia
Powerful Owl project of southern Queensland	Powerful Owl	The Powerful Owl project of southern Queensland will help discover where	Southern Queensland

		threatened Powerful Owls are breeding in south east Queensland forests. The Powerful Owl is listed as vulnerable in Queensland but we lack up to date information on where the owls are found, how big their population is, how that population is trending over time or what factors are related to breeding success.	
Regent Honeyeater and Swift Parrot Surveys	Regent Honeyeater and Swift Parrots	To improve our knowledge and management of the Regent Honeyeater and Swift Parrot.	South East Australia (including Darling Downs IPA)
Queensland Wader Study Group	Shorebirds	Protection of shorebirds and their habitat. Emphasis on collection, analysis, and dissemination of data concerning waders.	Queensland
Beach-nesting birds	Shorebirds	BirdLife Australia's Beach-nesting Birds project has been working with community volunteers across Australia since 2006 to: * Raise awareness among beach users; * Train local volunteers; * Protect eggs and chicks; * Research new ways of protecting birds and improving breeding success	Australia
MySwan	Black Swan	MySwan is a citizen science project for people who love swans. Just record your black swan sighting on the interactive map, and you can make a valuable contribution to research on the behaviour and movement of swans. After you submit your sighting, you'll get an instant report about the swan, with interesting information about its history and recent movements.	Australia
Waterbird Tracker	Waterbirds	To track the wetland use of five key waterbird species.	Eastern Australia
Australian mammals, marsupials and monotremes			
Project name	Subject	Aims	Project location
Echidna Watch	Echidna	To collate information on the distribution of echidnas in Queensland. This information is shared with Wildnet, the wildlife data repository for the EPA, and other organisations, to help plan for better outcomes for echidnas. They also need information on how the echidna is coping with modern hazards and introduced pests.	Queensland
Echidna CSI	Echidna + Scat	We want to learn more about echidnas! Where they are, what they are doing, if they are healthy- so we can work towards their conservation. How can you help? By taking photos and collecting scat (i.e. poo).	Australia
LCA Koala Program	Koalas	To map the distribution of Koala presence and activity index levels of Koalas in the Lockyer Valley Region as a contribution to raising awareness of the significance of the koala population in the Region and to the conservation of the Koala population and its habitat.	Lockyer Valley, Queensland
Koala Tracker	Koalas	Crowdsource map of koalas in Australia. Australia's national crowdsourced koala map, plotting the locations of koala populations in the wild, points of impact, causes of death and injury. Become a member of KoalaTracker.com.au to view the map, search the database, and see	Australia

		the library of member images available for use in non-commercial projects. Learn more about the koala and how you can really do something to save it before it is too late.	
Koala Map	Koalas	KoalaMap is an advanced citizen science based project which aims to record information about koala sightings and habitats to inform the protection and enhancement of critical koala habitats.	Australia
Bulimba Creek Catchment Citizen Science Nest Box Monitoring	Mammals	Identify which animals use artificial fauna nest boxes installed in local bushlands and parks. Citizen scientists will gather observational data using speciality monitoring equipment, and analyse the data with support from Griffith University.	Bulimba Creek, Queensland
Platypus Watch	Platypus	To document where platypus occur to develop a reliable snapshot of platypus populations.	Queensland
PlatypusWatch Gold Coast	Platypus	PlatypusWatch needs your help to learn more about where platypus live and where they are disappearing. PlatypusWatch is a community-based program and involves members of the community undertaking platypus surveys, promoting and recording platypus sightings and assessing platypus habitats. This information is used to identify what education and conservation actions are needed to help protect this mammal.	Gold Coast, Queensland
PlatypusSpot	Platypus	platypusSPOT offers wildlife enthusiasts an opportunity to contribute to a community-driven database on platypus distribution, post photos and videos, view platypus sightings in your area, and interact with other 'platypusSPOTters'.	Australia
Report a Platypus/Waterrat Project	Platypus/Waterrat	Platypus are challenging animals to study in the wild. If you have seen a platypus in the wild (either alive or dead), you have information that is vital to our understanding of the status, distribution and conservation needs of the species. Please report the details of your sighting(s) to the APC.	Australia
Quoll Seekers Network	Quoll	To collect and disseminate information about quolls in order to achieve good conservation outcomes.	Queensland
Queensland Glider Network	Squirrel Gliders	To raise awareness of gliders and their habitat requirements. To build community knowledge and interest in gliders. By being a hub for glider conservation, research and information exchange, educate communities to enable them to support local glider populations.	Queensland
Northside Squirrel Glider Monitoring Project	Squirrel Gliders	The overall aim of the Project is to fill the missing gaps in observational data within Brisbane City Council owned bushland reserves and private land to determine the presence/absence of Squirrel Gliders (<i>Petaurus norfolcensis</i>) on the Northside of Brisbane.	Kedron Brook, Queensland
WomSAT	Wombats	WomSAT (Wombat Survey and Analysis Tools) is an online mapping project where anybody can record when and where they see wombats or their burrows! This	Australia

		project's aim is to learn more about wombat populations across Australia.	
Brush Tailed Rock Wallaby Sighting	Brush-Tailed Rock Wallabies	The current distribution of brush-tailed rock-wallabies is uncertain. OEH needs to know more about where brush-tailed rock-wallabies are still living, so we can protect this endangered species.	Australia
Ecosystems and biodiversity			
Project name	Subject	Aims	Project location
Australian Biocontrol Hub	Biocontrol	The Atlas of Living Australia (ALA) contains tens of millions of user-submitted species occurrence records from field observations, collections and surveys. Data such as location coordinates, photographs, and species and host information, can be uploaded and later accessed in spreadsheets or species distribution maps.	Australia
Cooloola BioBlitz	Biodiversity	The Cooloola BioBlitz helps to map the biodiversity of the Cooloola Coast and Great Sandy Straits in a series of terrestrial and marine biodiversity mapping events. At the first Cooloola BioBlitz in 2018, 38 species new to science were discovered in just 48 hours!	Cooloola, Queensland
Gold Coast BioBlitz I-III	Biodiversity	The Gold Coast BioBlitz I-III allows citizen scientists to help record the full breadth of native plants and animals found in Gold Coast hinterland valleys. The Gold Coast includes parts of the MacPherson Overlap, an area known for its species richness where many plants and animals occur at either the northern or southern limits of their range.	Gold Coast, Queensland
Partnering to expand our knowledge of biodiversity values on private land	Biodiversity	To bring together research and community partners to run weekend biodiversity camps on Nature Refuges in Queensland, such as Aroona Station (1.5hr southwest of Brisbane). Nature refuges account for most of Queensland's conservation network, but landholders need support understanding biodiversity values on their properties.	Queensland
The BEACH Project	Biodiversity	The Biodiversity Education and Action for the Cooloola Habitats (BEACH) Project aims to support the conservation, the enhancement of the quality and biodiversity of the coastal catchments of the Cooloola Coast through community partnerships to monitor and improve water quality to protect and enhance biodiversity.	Cooloola, Queensland
Grows @ Clover	Biodiversity	For year 4-6 students to participate in a citizen science project where they develop the skills to identify, research, and map the flora and fauna living in school grounds.	Clover Hill State School, Queensland
Questagame	Biodiversity	A mobile app that takes you outdoors to discover, map and ultimately help protect life on our planet. Work individually or as a team to take photographs of animals and plants and upload them to the Questagame online community. Browse the photos others have uploaded to help identify different	Australia

		species. Your sightings contribute to real research and conservation.	
ClimateWatch	Biodiversity and climate change	A mobile app and online portal for recording seasonal behaviour observed in plants and animals. This will help scientists understand how the environment is responding to climate change, whether it be plants blossoming earlier or animals hibernating for longer. ClimateWatch was developed by Earhtwatch, the Bureau of Meteorology, and The University of Melbourne.	Australia
DigiVol	Digitised records	The Atlas of Living Australia, in collaboration with the Australian Museum, developed DigiVol to harness the power of online volunteers to digitise biodiversity data that is locked up in biodiversity collections, field notebooks and survey sheets.	Australia
Poo Power! Global Challenge	Dogs + Scat	Mapping dog waste hotspots to improve sustainability. Your mission, should you choose to accept it, is to map dog poo 'hotspots' at your local parks and public spaces. Once uploaded onto the Global Poo Map (allow between 24-48 hours), as a class/group discuss the scientific, social and environmental issues and compile some recommendations into a letter to your local Government representative.	Global
The Fluker Post Research Project	Environment	To create historical records of the FlukerPost sites so that changes can be monitored over time. Locations in Queensland focus on the Great Barrier Reef.	Australia
Checking for Change	Environment	How will you know whether your work to improve the environmental condition of sites, such as changing timing of grazing or stock numbers to enhance the recovery of native plants, is actually making a difference? It's important to know whether you are on track, and knowing that sooner rather than later can help you adjust your management and try new things if necessary to achieve a better result.	Australia
DuneWatch	Multiple species	To give the community an opportunity to assist in collecting vital information on the health of the sand dunes and learn about the native dune vegetation and invasive species. The program will contribute to expanding the knowledge of the local dune systems.	SEQ
Fauna Watch	Multiple species	Faunawatch collects and compiles sighting information submitted by community volunteers. Not just interested in rare or threatened species - what is observed in backyard or local park is just as important. Population monitoring of species can identify changes as early as possible so fauna protection plans can be established.	Sunshine Coast, Queensland
Spot our Species	Multiple species	Spot our species is a website that provides location-relevant information on threatened species, habitats, and local community groups involved in species preservation. People can also record and	Queensland

		submit their own wildlife sightings and keep a record of what they have spotted.	
Wildlife Sightings in the City of Logan	Multiple species	We encourage you to explore outdoors and report sightings (or evidence) of threatened or locally significant wildlife you may have encountered while out and about in the City of Logan.	Logan, Queensland
Fauna and Flora of the Scenic Rim	Multiple species	A database of local fauna and flora sightings in the Scenic Rim area to be used for various Council and landowner purposes.	Scenic Rim, Queensland
Condamine Catchment - Sightings and Surveys	Multiple species	This project includes all surveys for community data recordings in the Condamine Alliance NRM region. This covers both pests and weeds, as well as other biodiversity (plant and animal) sightings.	Condamine, Queensland
Biodiversity in Scrubby Mountain	Multiple species	This project is to conduct regular flora and fauna surveys on a small property in Scrubby Mountain. Over numerous years, this will show changes to the species frequenting the area. This will also improve species identification skills and contribute data to the ALA for the benefit of everyone. It is hoped an accurate species field guide can be produced from the data.	Scrubby Mountain, Queensland
Project Noah	Multiple species	Noah is a mobile phone app that allows nature lovers to document local wildlife and add their observations to a growing database for use by ongoing citizen-science projects. Using the Noah mobile application, users take a photograph of an interesting organism, select the appropriate category, add descriptive tags, and click submit. The application captures the location details along with the submitted information and stores all of it in the species database for use by efforts such as Project Squirrel and the Lost Ladybug Project.	Global
Got Guts?	Multiple species	To measure the length of the guts of different animals to compare the differences between individuals across species.	Global
iNaturalist	Multiple species	To empower citizens to record biodiversity.	Global
Hollows as Homes	Multiple species	This project works with the community and land managers to assess tree hollow availability, as hollows are an important but limited resource for wildlife in urban and agricultural areas.	Australia
Wildlife Spotter	Multiple species	Wildlife Spotter is an online citizen science project in which participants are asked to identify animals in wilderness photos taken by automated cameras across Australia.	Australia
Little Liverpool Range Initiative	Biodiversity	Information gained from this project will be used by local councils and environmental organisations to target pest management and threatened species recovery projects in the Little Liverpool region.	Little Liverpool, Queensland
BushBlitz	Biodiversity	Bush Blitz is Australia's largest species discovery program - we document Australia's vast biodiversity through	Australia

		<p>expeditions to remote locations. Due to COVID-19, Bush Blitz expeditions are temporarily on hold and, with many of us looking for fun things to do at home, Bush Blitz is coordinating a virtual expedition that everyone can join! While we can't promise you'll find a new species, you will discover some amazing plants and animals living in your own backyard and contribute valuable data to the Atlas of Living Australia.</p>	
<p>Bushfire Recovery Projects</p>	Biodiversity	<p>Devastating bushfires have impacted Australia's biodiversity on a scale not previously seen since record-keeping began in the mid-1800s. Become a citizen scientist and spot animals in photographs captured by automated cameras in burnt areas. With your help researchers can better understand the impacts of the fires on our biodiversity and ecosystems.</p>	Global