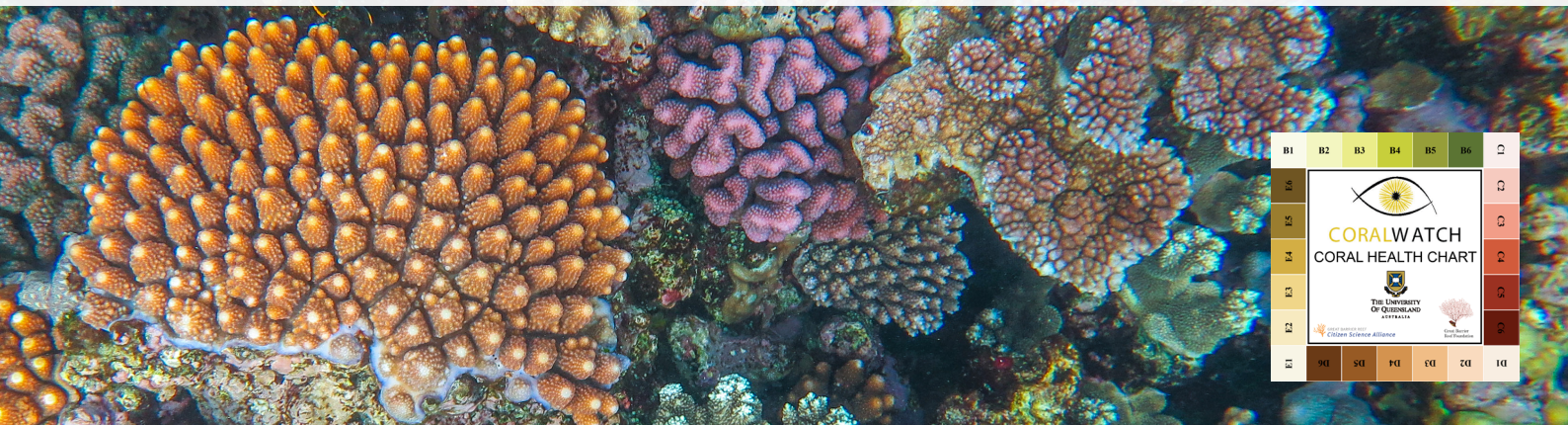


ACT to PROTECT our GREAT BARRIER REEF



7-10 MAY 2021 HERON ISLAND, QLD, AUSTRALIA TEACHER PROFESSIONAL DEVELOPMENT AND CITIZEN SCIENCE WORKSHOP

CoralWatch is a citizen science program based at The University of Queensland, working with volunteers worldwide to increase understanding of coral reefs, coral bleaching and climate change. CoralWatch is offering a four-day practical workshop on Heron Island, focusing on **coral biology, reef health and threats, coral bleaching, citizen science and the importance of reef conservation. Learn how to collect and interpret CoralWatch data and identify trends using the CoralWatch global database, investigate zooxanthellae and identify coral genus.** See next page for our draft program.

Heron Island is a coral cay located near the Tropic of Capricorn in the southern Great Barrier Reef, 80 kilometres north-east of Gladstone, Queensland. Heron Island research station is the oldest and largest marine research station on the reef providing easy and direct access to the marine environment.

This workshop is suitable for anyone with an interest in the marine environment and citizen science, and will be particularly relevant to both senior and junior high school science, aquatic practices, biology and STEM teachers. (20 PD Points).



OUTCOMES

- Engage in professional learning and improve practice.
- Investigate Heron Island corals, the importance and environmental issues such as coral bleaching.
- Select and use CoralWatch tools and curriculum linked resources to bring the reef into your classroom.
- Interpret student data.
- Explore Heron Island Research Station (HIRS).

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TEACHER PROFESSIONAL DEVELOPMENT AND CITIZEN SCIENCE WORKSHOP



Classroom sessions

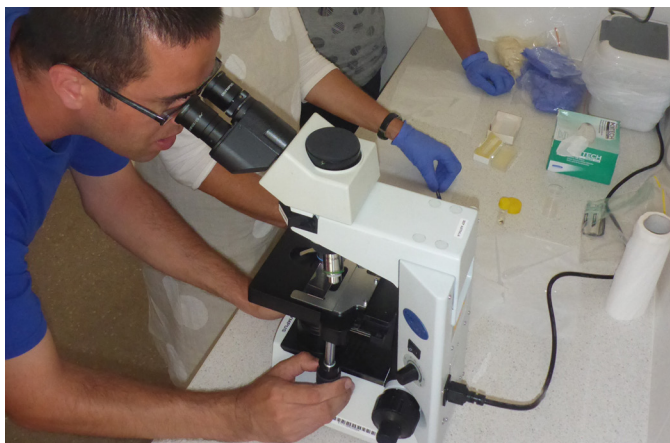
- Lectures: 'CoralWatch', 'Coral Biology'
- Enter, analyse and interpret CoralWatch data
- Use a variety of biological classification keys
- Utilise CoralWatch tools and curriculum-linked lessons (incl. virtual tools) to bring the reef into your classroom

Fieldwork sessions

- Explore reef diversity (reefwalk/snorkel)
- Perform CoralWatch data collection investigating coral health
- Examine coral diversity using transects
- Take photos/video for own use
- Observe Heron Island reef communities, coral cover, reef zonation, reef symbiosis

Lab sessions

- Investigate Zooxanthellae with microscope
- Classify corals to genus level (field, photo, skeletons)



DRAFT PROGRAM

Friday 7 May

- 8:30 Arrival Gladstone Marina (Bryan Jordan Drive, Gladstone)
Check-in before 9:00
- 9:30 Boat departure from Gladstone Marina
- 11:30 Arrival Heron Island – induction, room allocation
- 12:30 Lunch
- 13:30 - Workshop introduction, forms, housekeeping
- CoralWatch 'How to' & virtual reef exercise
- 15:30 Check out snorkel from shore
- Coral Health Chart survey (random)
- 17:30 Sunset
- 18:30 Dinner
- 19:30 Presentation: CoralWatch Citizen Science - Act to Protect the Great Barrier Reef

Saturday 8 May

- 07:00 Breakfast
- 08:00 Shore Snorkel – Coral Health Chart survey (random & transect)
- 10:30 CoralWatch data entry using phone app and website
- 11:30 Lunch
- 12:30 Low tide reef walk: exploring, identifying & Coral Health Chart survey
- 14:30 Presentation: Coral biology
- 15:30 Coral identification: Classify corals to genus levels
- 17:30 Sunset
- 18:30 Dinner
- 19:30 Practical session: Zooxanthellae investigation

Sunday 9 May

- 07:00 Breakfast
- 08:00 Boat Snorkel – random Coral Health Chart survey
- 11:00 CoralWatch education materials and curriculum linked plans
- 12:00 Lunch
- 13:00 Low tide reef walk
- Transect line: coral ID, coral cover & composition, quadrat
- Permanent transect: monitor easy to identify tagged corals
- 15:00 CoralWatch Global Database:
- Data availability & application
- Database practice – data entry, extraction, creating graphs, assignments
- 17:30 Sunset
- 18:30 Dinner

Monday 10 May

- 07:00 Breakfast, pack bags
- 09:00 Q&A, discussion, debrief, feedback form, knowledge review, certificates, closing of workshop
- 11:00 Lunch
- 12:45 Depart Heron Island and return to Gladstone Marina
- 14:45 Arrival in Gladstone (It is recommended that domestic flights departing Gladstone Airport are booked no earlier than 4.45pm.)

WORKSHOP DETAILS

Venue: Heron Island Research Station

Dates: 7-10 May 2021

Costs: \$990.00 (incl.GST) Early bird price (**register before 1 April 2021**)

\$1040.00 (incl.GST) Full price (**registrations after 1 April 2021**)

Price is based on shared accommodation.

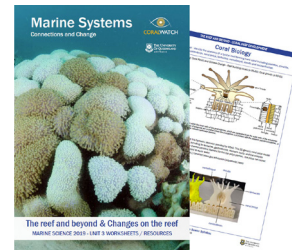
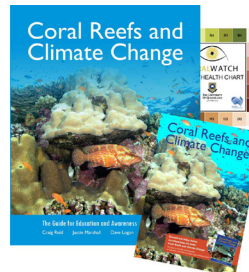
Size: Max. 15 participants

Includes: Four-day workshop, 3 nights accommodation on Heron Island, full catering, lectures, snorkel trips, low tide reefwalks and a range of CoralWatch take-home materials.

Transfers to and from Gladstone are not included.

Bring: Laptop, uw camera (if available), protective footwear and shorts for walking in the shallows (such as reef walking shoes, dive booties), wetsuit, sun protective gear (hat, sunscreen), towel.

For more information please contact workshop co-ordinator Diana Kleine at info@coralwatch.org or phone 07 33653127



CoralWatch education materials

WORKSHOP REGISTRATION Teacher PD - 7-10 May 2021 Heron Island

Contact details

First name: _____ Family name: _____

School/Organisation: _____ Position: _____

Work Address: _____ City: _____

Email: _____ Mobile phone: _____

Position: _____

Dietary requirements: _____

Fees

Workshop fee includes: Four-day workshop, 3 nights accommodation on Heron Island, ferry to and from Heron Island, breakfast, lunch, dinner, activities and a range of CoralWatch take-home materials. Transfers to and from Gladstone are not included. Registration for this workshop is finalised via a confirmation email from CoralWatch.

Cancellation & refunds

CoralWatch reserves the right to cancel the workshop by 23 April 2021 if the minimum booking of 12 people is not achieved and full refunds will be given. In case you have to cancel, CoralWatch cannot give refunds after 23 April 2021.

Payment details

Credit card ☐ VISA ☐ Mastercard

Name of Cardholder: _____

Card number: _____ 3 digit CSV: _____

Expiry Date: _____ Signature: _____

This form will be a tax invoice for GST purposes when you make full payment. Please keep a copy for your records.

Payment in the amount of AUD \$ (incl. GST) ABN 63 942 912 684

Participants receive 15% discount on CoralWatch materials ordered within a year of the workshop dates.

SPEAKERS



Dr Monique Grol

Project Manager Research CoralWatch

Monique has been working for CoralWatch since 2016 and brings in more than 16 years of international Marine Science experience and her passion for the ocean. For the last 11 years, Monique has worked in Australia, researching coral reef ecosystems in remote areas such as the Great Barrier Reef. Her responsibilities at CoralWatch include planning and organizing reef encounters, seeking opportunities and partnerships, developing context for new materials/programs and managing data. She has organised many events in the field, analysed large datasets, presented at teacher workshops and conferences and supervised volunteers and students.



Ms Diana Kleine

Project Manager Education CoralWatch

Diana has been working for CoralWatch for 13 years and loves her job, which gives her the opportunity to integrate her experience and knowledge as teacher, graphic artist, and diving instructor. Her responsibilities include organizing the design, production, and marketing of all CoralWatch education and monitoring materials. She has organised many teacher workshops in Australia and Indonesia, teaching people of varying ages, nationalities, cultures, and interests about the amazing underwater world and how to help preserve it.

Diana is co-author of the book 'Coral Reefs and Climate Change, the guide for education and awareness' (Reid, C., Marshall, N. J., Logan, D. and Kleine (2012) Coral Reefs and Climate Change; Second revised edition, CoralWatch, The University of Queensland, Brisbane. 264p paperback and e-book. ISBN 9780646590851).



CoralWatch is a not-for-profit citizen science organization based at The University of Queensland. The program integrates global monitoring of coral bleaching with education about coral reef conservation and climate change.

www.coralwatch.org

info@coralwatch.org



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Great Barrier
Reef Foundation



THE UNIVERSITY
OF QUEENSLAND
AUSTRALIA

CoralWatch Act and Protect workshop series are funded by the partnership between the Australian Government's Reef Trust and the Great Barrier Reef Foundation. Additional support for this workshop has been provided by The University of Queensland.