

7-10 MARCH 2019 - LADY ELLIOT ISLAND, QLD, AUSTRALIA



TAKING A CLOSER LOOK AT CORALS TEACHER PROFESSIONAL DEVELOPMENT - HIGH SCHOOL

CoralWatch, at The University of Queensland, is offering a four-day practical professional development on Lady Elliot, 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.** Apart from lectures and in-class curriculum linked activities, we will explore and learn about the reef during snorkel trips and low tide reefwalks.

Lady Elliot Island is a coral cay located at the southern tip of the World Heritage Listed Great Barrier Reef. Situated within a highly protected 'Green Zone' the island is a sanctuary for over 1,200 species of marine life and is known for its abundance of manta rays, turtles, spectacular marine life and unspoilt coral reef.

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



Classroom sessions

- Lectures: 'CoralWatch', 'Coral Biology', 'Status of the Great Barrier Reef', 'Conservation behaviour to help protect marine environments'
- 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
- Investigate Zooxanthellae with microscope (TBC)

Fieldwork sessions

- Explore the reef while snorkelling (boat/shore)
- Perform CoralWatch data collection investigating the health of corals
- Classify corals to genus level (field, photo, skeletons)
- Examine coral diversity using transects
- Take photos/video for use back in class
- Observe Lady Elliot reef communities, coral cover, reef zonation, reef symbioses
- Learn more about Lady Elliot Island flora, fauna and sustainability initiatives



WORKSHOP DETAILS

- Venue: Lady Elliot Resort, Lady Elliot Island
Dates: 7-10 March 2019
Costs: \$695.00 (incl.GST) Early bird price (**register before 15 December 2018**)
\$795.00 (incl.GST) Full price (**registrations after 15 December 2018**)
Price is based on quad share accommodation. Single/double rooms upon request for extra cost - depending on availability.
Size: Max. 17 participants
Includes: Four-day workshop, 3 nights accommodation at Lady Elliot Resort, buffet breakfast, lunch, dinner daily, return scenic flight ex Hervey Bay, snorkel equipment, boat snorkel and a range of CoralWatch take-home materials. Transfers to and from Hervey Bay 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, snacks.



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

WORKSHOP REGISTRATION Teacher PD - 7-10 March 2019 Lady Elliot Island

Contact details

First name: _____ Family name: _____

School: _____ Position: _____

Work Address: _____ City: _____

Email: _____ Mobile phone: _____

Position: _____

I teach the following subjects (+ year levels): _____

Fees

4-day workshop AUD \$695 (early bird), AUD \$795 (full price). Workshop fee includes: Four-day workshop, 3 night accommodation at Lady Elliot Resort, buffet breakfast, lunch, dinner daily, return scenic flight ex Hervey Bay, snorkel equipment and a range of CoralWatch take-home materials. Transfers to and from Hervey Bay 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 end of January 2019 if the minimum booking of 10 people is not achieved and full refunds will be given. In case you have to cancel, CoralWatch cannot give refunds after 7 January 2019.

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**



Prof. Justin Marshall

Project leader and founder CoralWatch

Since my first reef encounter at the age of 6, I have been fascinated by their biology and in love with their beauty. The reason for designing the CoralWatch system as it is and the reason for coordinating and helping to write our book *Coral Reefs and Climate Change* is to engage the community in this process. The time for thought and discussion is over and the time for action and tough decisions is here. I am very fortunate to be able to work on reefs every day and spend as much time as I can there. My kids have seen it and they love the vibrance of the place and the animal life. I am now working for them so that, when they get to my age, their children will have the chance to also draw energy and, where necessary, nutrients and livelihood from coral reefs. Our current best estimates tell me that this is unlikely, but the fantastic CoralWatch team and our growing band of volunteers around the world are working hard to prevent their degradation by spreading knowledge and helping to come up with practical solutions. Please join us in this effort.



Ms Diana Kleine

Project manager education CoralWatch

Diana has been working for CoralWatch for 10 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 to 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).



Ms Karen Hofman

Project manager CoralWatch (temp)

Karen's love of the ocean and marine environments has led her to research methods most likely to enhance the uptake of conservation behaviours that contribute to the protection of environmentally sensitive areas such as the Great Barrier Reef. The use of documentaries and virtual reality is the main focus of her PhD in this area. Karen is an avid scuba diver and passionate about educating others on how best to contribute to the protection of such precious environments through effective communication.

CoralWatch is a non-profit citizen science organization based at The University of Queensland. The program integrates global monitoring of coral bleaching with education about coral reef conservation.

www.coralwatch.org **info@coralwatch.org**