

IOCCG Benthic Reflectance Workshop

The IOCCG scientific working group on Conducting Benthic Reflectance Measurements led by Prof. Heidi Dierssen had their kick-off meeting in hybrid format at the University of Miami, 29-31 March 2022 hosted by Ved Chirayath.

Benthic reflectance is a measurement describing the color of the seafloor, and is an essential parameter for mapping marine habitats in optically shallow water using remote sensing techniques. The aim is to produce a IOCCG report that covers an overview of instrumentation and methods, examples of benthic reflectance across different scales and habitats, environmental influences on the measurements, applications and emerging technologies.

The agenda for the meeting is attached.



Pictured (left): Heidi Dierssen and team, George Fournier, Julien Laliberte, Chris Roelfsema, Geir Johnsen, Charles Scrivner, Peter Gege.

Pictured (right): Tiit Kutser, Erich Hochberg, John Hedley, Heidi Dierssen, Arnold Dekker, Stephanie Larie Wright, Richard Zimmerman, Steve Ackleson, Erin Hestir, Brandon Russell, and Ved Chirayath

Not pictured team members : Natascha Oppelt, Jaime Pitarch Portero, Karen Joyce, Stuart Phinn, Brian Barnes, Jamie Goodman, Wonkook Kim, Sherry Palacios, Gema Pascual

IOCCG Benthic Reflectance Workshop Agenda

Hotel: The Mutiny Hotel. 2951 S Bayshore Dr, Miami, Florida 33133

Ph. 855-516-1090, Group link to follow.

Meeting: Rosenstiel School for Marine and Atmospheric Science (RSMAS). 4600

Rickenbacker Causeway. Miami, FL 33149-1031

Tuesday 29 March 2022

Check into Hotel

7:00 pm to 9:00 pm

Informal Mixer in Miami

(Peacock Garden 2889 Mcfarlane Rd Miami, Florida 33133 – walking distance from Mutiny)

Wednesday 30 March 2022

8:30 am to 9:00 am

Registration in-person at Univ. Miami RSMAS

9:00 am to 9:45 am

Welcome and Introductions (Heidi Dierssen and Ved Chirayath)

Raisha Lovindeer, IOCCG

Dean, RSMAS

9:45 am to 10:30 am

Intro Benthic Reflectance Mini-talks 1 (6 in-person) 5-7 min talks to get to know your background on Rb

10:30 am to 10:55 am

Coffee Break

11:00 am to 12:30 pm

Intro Benthic Reflectance Mini-talks 2 (6 in-person) Can submit a prerecorded talk to play

12:30 pm to 1:45 pm

Lunch

1:45 pm to 3:00 pm

The Benthic R Report: Fine Tuning Outline and Assigning Leads for each section (Dierssen & Virtual component (4:00 am Queensland, 7:00 pm Germany))

3:00 pm to 3:20 pm

Lessons learned (Greb & Dutkeiwicz)

3:20 pm to 3:40 pm

Coffee Break

3:20 pm to 4:40 pm

Breakout Groups 1: Discuss content of chapters in small groups Virtual component (5:40 am Queensland, 8:40 pm Germany)

5:00 pm to 8:00 pm

*Happy Hour and Dinner
(Wetlab – Walking distance from RSMAS)*

Thursday 31 March 2022

Checkout of Hotel (if needed)

9:00 am to 9:30 am

Group Discussion → Synthesize Day 1 and Objectives Day 2

9:30 am to 10:30 am	<u>Breakout Groups 2: Writing assignments and content</u>
10:30 am to 10:50 am	<i>Coffee Break</i>
11:00 am to 12:30 pm	<u>Breakout Groups 3: Writing content</u>
12:30 pm to 1:45 pm	<i>Lunch</i>
1:45 pm to 3:45 pm	<u>Group Time (2 groups of 6 on boat) → Boat Time (1 hr each) with Ved to see benthic environments and discuss methods. Subgroup on land will dialogue on instruments and methods before/after boat ride.</u>
4:00 pm to 5:00 pm	<u>Wrap Up and Future Strategy Virtual component (5:30 am Queensland, 8:30 pm Germany)</u>
5:00 pm to 8:00 pm	<i>Informal Dinner (Joe's Stone Crab with Eric Hochberg (reserve))</i>

 -- Virtual Webex Login possibility.

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