



Global Ocean Acidification
Observing Network



Ocean Acidification
International
Coordination Centre
OA-ICC

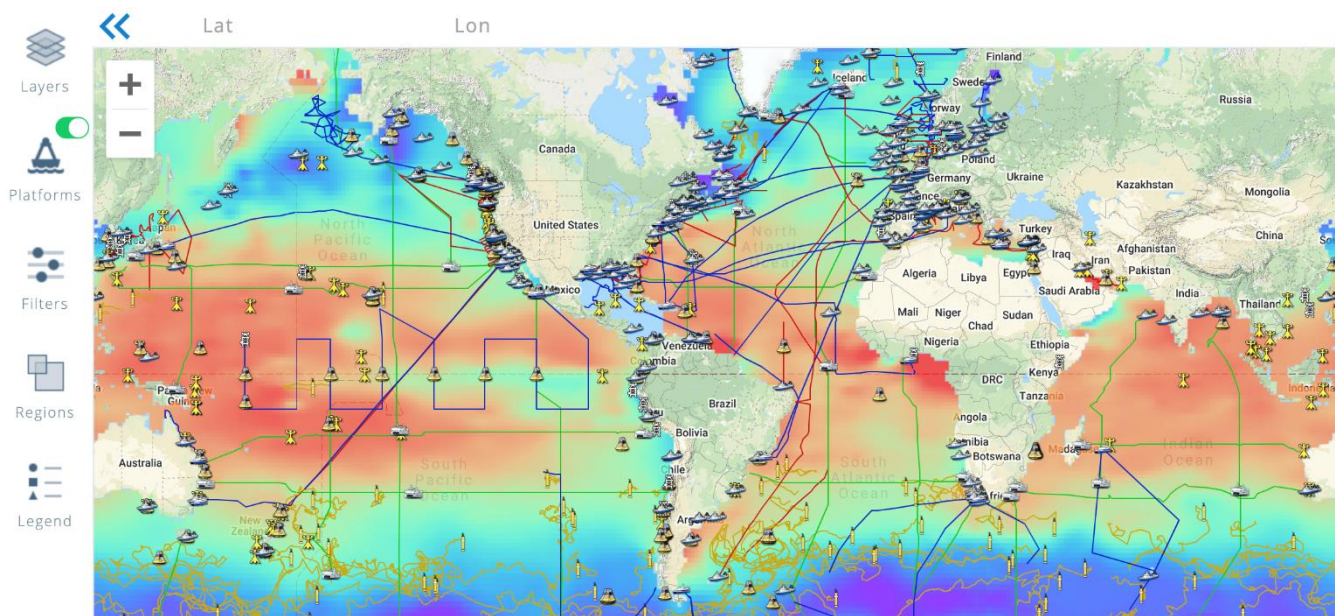


Ocean Acidification Week

A virtual multi-day forum to highlight ocean acidification
research and initiatives

8-10 September 2020

#OAWeek2020



CREDIT: GOA-ON

Tuesday, 8 September 2020

Session 1 — Pacific Islands and Territories OA Hub

02:00 Greenwich Mean Time (UTC) = 14:00 New Zealand Standard Time (UTC +12)

Pre-register here: <http://bit.ly/PI-TOA>

1. "An overview of PPOA and the PI-TOA Hub"

Duncan McIntosh

Secretariat of the Pacific Regional Environment Programme (SPREP), Samoa

2. "Expansion of ocean acidification monitoring in Aotearoa New Zealand with the addition of 9 MPA sites to the NZOA-ON"

Kim Currie¹ & Monique Ladds²

¹National Institute of Water and Atmospheric Research (NIWA), New Zealand;

²Department of Conservation, New Zealand

3. "Monitoring Ocean Acidification and anthropic impacts on net productivity of Suva Reef, Fiji"

Antoine de Ramon N'Yeurt

The University of the South Pacific, Pacific Centre for Environment and Sustainable Development, Fiji

4. "Ocean Acidification Monitoring in Vanuatu"

Krishna Kotra

The University of the South Pacific, Vanuatu

5. "Challenges of conducting Ocean Acidification research in Samoa"

Patila Malua Aмоса* & Jeffery Leung Wai

National University of Samoa, Samoa

6. "Adaptive and Restoration Approaches for Resilient Kiribati toward Ocean Acidification"

Manibua Rota*, Max Peter, Tooreka Teemari & Karibanang Tamuera

Ministry of Fisheries & Marine Resource Development (MFMRD), Kiribati



CREDIT: NOAA/XL Catlin Seaview Survey

Session 2 — Mediterranean OA Hub

10:00 Greenwich Mean Time (UTC) = 12:00 noon Central European Summer Time (UTC +2)

Pre-register here: <http://bit.ly/OAMedHub>

1. “Overview of OA research in the Mediterranean and knowledge gaps”

Patrizia Ziveri

Universitat Autònoma de Barcelona-Institute of Environmental Science & Technology (ICTA-UAB);
Catalan Institution for Research and Advanced Studies (ICREA), Spain

2. “Evolution and Adaptation of Coccolithophores towards recent environmental changes in the Mediterranean”

Majd Habib

CNRS-L, National Center for Marine Sciences, Lebanon;
CEREGE-CNRS, Université Aix-Marseille, France

3. “Towards a public and internally consistent data product containing CARbon, transient tracers and ancillary data In the MEDiterranean Sea, CARIMED”

Marta Álvarez

Instituto Español de Oceanografía, Spain

4. “The drivers of pH and CO₂ variability in the Adriatic”

Lidia Urbini & Michele Giani

Istituto Nazionale di Oceanografia e di Geofisica Sperimentale (OGS), Italy

5. “The influence of marine vegetation in coastal CO₂ dynamics”

Iris Hendriks

Instituto Mediterráneo de Estudios Avanzados (IMEDEA - CSIC-UIB), Spain

6. “Impact of ocean acidification on Mediterranean sea Blue Economy”

Nayrah Shaltout

National Institute of Oceanography and Fisheries, Egypt



CREDIT: Jason Hall-Spencer

Session 3 — North American Hub

19:00 Greenwich Mean Time (UTC) = 12:00 Pacific Daylight Time (UTC -7)

Pre-register here: http://bit.ly/NA_OAHub

1. "Insights from marine CO₂ time series along the British Columbia coast of Canada"

Wiley Evans

Hakai Institute, Canada

2. "Oh dear! Oh dear! I shall be too late! A story of timing, biodiversity and global change"

Piero Calosi

Université du Québec à Rimouski, Canada

3. "Status of Ocean Acidification in Mexico: Gulf of Mexico"

Jose Martin Hernandez Ayon

Universidad Autónoma de Baja California (UABC), Mexico

4. "Status of Ocean Acidification in Mexico: Pacific Coast"

Cecilia Chapa

Universidad del Mar (UMAR), Mexico

5. "Developing best practices for determining multi-decadal change in ocean acidification time series"

Adrienne Sutton

National Oceanic & Atmospheric Administration, Pacific Marine Environmental Laboratory (NOAA, PMEL), USA

6. "Where chemical and biological observations meet: Insights into anthropogenic impacts on the current biological status"

Nina Bednarsek

Southern California Coastal Water Research Program (SCCWRP), USA



CREDIT: Hakai Institute: Grant Callegari, Jonathan Kellogg, Keith Holmes

Wednesday, 9 September 2020

Session 4 — Arctic Hub

10:00 Greenwich Mean Time (UTC) = 12:00 noon Central European Summer Time (UTC +2)

Pre-register here: <http://bit.ly/ArcticHub>

1. “Introduction, kick-off, and overview of the Arctic Hub”

Agneta Fransson^{*,1,2}, Melissa Chierici^{2,3}, Kumiko-Azetsu Scott⁴ & Jessica Cross⁵

¹Norwegian Polar Institute, Fram Centre, Norway; ²University Centre in Svalbard (UNIS), Norway;
³Institute of Marine Research, Fram Centre, Norway; ⁴Bedford Institute of Oceanography, Canada;
⁵National Oceanic & Atmospheric Administration, Pacific Marine Environmental Laboratory (NOAA, PMEL), USA

2. “Highlights from 9-years of monitoring Ocean Acidification in Norwegian and Arctic waters”

Melissa Chierici^{*,1,2}, Elizabeth Jones¹, Ingunn Skjelvan³, Kai Sørensen⁴, Andrew Luke King⁴, Marit Norli⁴, Helene H Lødemel¹, Claire Mourgues¹, Siv Lauvset³, Tina Kutti⁵, Knut Yngve Børsheim⁵, Kristin Jackson⁶, Tor de Lange⁶ & Agneta Fransson^{2,7}

¹Institute of Marine Research, Fram Centre, Norway; ²University Centre in Svalbard (UNIS), Norway;
³NORCE Norwegian Research Centre (NORCE), Norway;
⁴Norsk institutt for vannforskning (NIVA), Norway; ⁵Institute of Marine Research, Norway;
⁶University in Bergen, Norway; ⁷Norwegian Polar Institute, Fram Centre, Norway

3. “Modelling ocean acidification in a rapidly changing Arctic ocean”

Eric Mortenson^{*,1}, N. Steiner², T. Sou² & J. Laenger³

¹Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia; ²Fisheries and Oceans Canada, Institute of Ocean Sciences, Canada; ³University of Victoria, Canada

4. “Biological impact of ocean acidification in the Canadian Arctic: widespread severe pteropod shell dissolution in Amundsen Gulf”

Andrea Niemi

Fisheries and Oceans Canada, Institute of Ocean Sciences, Canada



CREDIT: Pablo Clemente-Colon

Session 5 — OA Africa Hub

13:00 Greenwich Mean Time (UTC) = 15:00 Central Africa Time (UTC +2)

Pre-register here: <http://bit.ly/OAAfricaHub>

1. “Ocean Acidification White Paper for East Africa - Observation and Research Needs”

Roshan T. Ramessur

University of Mauritius (Chair OA-East Africa, Faculty of Science), Mauritius

2. “OA investigations for pH and alkalinity in coastal lagoons in Mauritius”

Kishore Boodhoo* & Roshan T. Ramessur

University of Mauritius, Mauritius

3. “Ocean acidification research by the Oceanographic Research Institute in South Africa”

David Pearton*¹, Carla Edworthy², Sean Porter¹ & Michael Schleyer¹

¹Oceanographic Research Institute, South African Association for Marine Biological Research, South Africa; ²South African Institute for Aquatic Biodiversity, South Africa

4. “OA Activities in West Africa”

Abraham Ekperusi

Nigeria Maritime University, Nigeria

5. “From training to data collection – Ocean acidification research in East Africa”

Sam Dupont

University of Gothenburg, Sweden

6. “BCSS Ocean Observatory in Mozambique”

Mario Lebrato* & Karen Bowles

Bazaruto Center for Scientific Studies (BCSS), Mozambique



CREDIT: Roshan Ramessur

Session 6 — LAOCA (Latin American & Caribbean) Hub

17:00 Greenwich Mean Time (UTC) = 12:00 Peru Time (UTC -5)

Pre-register here: <http://bit.ly/LAOCA>

1. "LAOCA Network: A regional effort for the coordination and support of ocean acidification research in Latin America"

Cristian Vargas

Universidad de Concepcion, Chile

2. "Ocean acidification in tropical Latin America"

Francisco Navarrete-Mier

EBIOAC - ULEAM University, Ecuador

3. "Ocean acidification in the Southwestern Atlantic Ocean"

Rodrigo Kerr¹ & Carla Berghoff²

¹Instituto de Oceanografia, Universidade Federal do Rio Grande (FURG), Brazil;

²Instituto Nacional de Investigación y Desarrollo Pesquero (INIDEP), Argentina

4. "Ocean acidification in the Humboldt Current ecosystem"

Wilmer Carbajal Villalta

Universidad Nacional Pedro Ruiz Gallo, Perú

5. "Ocean acidification: knowledge gaps and challenges in the region"

Alberto Acosta

Universidad Javeriana, Colombia



CREDIT: Nelson Lagos

Thursday, 10 September 2020

Session 7 — Northeast Atlantic Hub, Part 1

10:00 Greenwich Mean Time (UTC) = 12:00 noon Central European Summer Time (UTC +2)

Pre-register here: http://bit.ly/NEAhub_Part1

1. “Nordic Seas Acidification”

Filippa Fransner

University of Bergen, Norway

2. “Impact of water masses on OA conditions in canyons along the Irish Shelf edge”

Rachel R Cave

University of Galway, Ireland

3. “Monitoring for OA in the Western Channel Observatory and in the Atlantic Ocean”

Helen Findlay & Vas Kittidis

Plymouth Marine Laboratory, UK

4. “Spectrophotometric measurement of $[\text{CO}_3^{2-}]$ in seawater: dealing with inconsistencies”

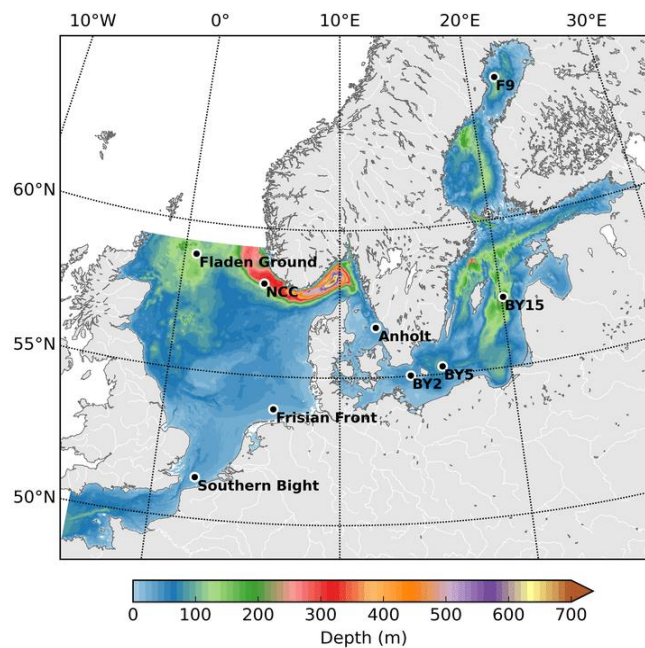
Elisa F. Guallart

Instituto Español de Oceanografía, Spain

5. “Gaining insights into ocean CO_2 system inconsistencies from discrete $f\text{CO}_2$ measurements”

Maribel García-Ibáñez

University of East Anglia, UK



CREDIT: Hordoir et al., 2018 (<https://doi.org/10.5194/gmd-2018-2>)

Session 8 — Northeast Atlantic Hub, Part 2

13:00 Greenwich Mean Time (UTC) = 15:00 Central European Summer Time (UTC +2)

Pre-register here: http://bit.ly/NEAHub_Part2

1. “Cuttlefish buoyancy in response to food availability and ocean acidification”

Eve Otjacques

University of Lisbon, Portugal

2. “Mechanism of local adaptation to natural variability in pH in marine calcifiers”

Sam Dupont

University of Gothenburg, Sweden

3. “Ocean Acidification Impacts on Framework-Forming Cold-Water Corals”

Kelsey Archer Barnhill

University of Edinburgh, UK

4. “Simplification, not ‘tropicalization’, of temperate marine ecosystems under ocean warming and acidification”

Jason Hall-Spencer

University of Plymouth, UK; University of Tsukuba, Japan

5. “Exposure of commercial shellfish to changing pH levels: how do we scale-up experimental evidence to regional impacts?”

Silvana Birchenough

Centre for Environment, Fisheries and Aquaculture Science (CEFAS), UK



CREDIT: NOAA Fisheries

Session 9 — Friends of GOA-ON

15:00 Greenwich Mean Time (UTC) = 11:00 Eastern Daylight Time (UTC -4)

Pre-register here: http://bit.ly/Friends_Of_GOA-ON

1. The Global Ocean Observing System (GOOS) in support of ocean acidification observations

Toste Tanhua^{*,1,2} & Maciej Telszewski^{1,3}

[¹GOOS, the Global Ocean Observing System;](#)

²GEOMAR Helmholtz Centre for Ocean Research - Kiel, Germany; ³International Ocean Carbon Coordination Project, Institute of Oceanology, Polish Academy of Sciences, Poland

2. The Marine Biodiversity Observation Network (MBON): Understanding Life in the Sea through Essential Ocean Variables (EOVs) and Essential Biodiversity Variables (EBVs)

Frank Muller-Karger

[MBON, the Marine Biodiversity Observation Network;](#)

University of South Florida College of Marine Science, USA

3. The Ocean Foundation's International Ocean Acidification Initiative: Removing barriers to monitor, understand, and respond to ocean acidification

Alexis Valauri-Orton

[TOF, The Ocean Foundation](#)

4. From Knowledge to Action- Engaging Governments and Stakeholders with OA Action Plans and Case Studies.

Jessie Turner

[The International Alliance to Combat OA](#)



Session 10 — Capstone Presentation

20:00 Greenwich Mean Time (UTC) = 13:00 Pacific Daylight Time (UTC -7)

Pre-register here: http://bit.ly/GOA-ON_Capstone

This session will feature a panel discussion and Q&A with the co-chairs of GOA-ON and a co-chair of the International Scientific Committee for the upcoming [5th International Symposium on the Ocean in a High-CO2 World](#).

1. Jan Newton

GOA-ON; University of Washington, USA

2. Bronte Tilbrook

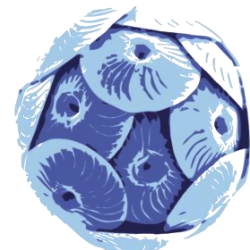
GOA-ON; Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia

3. Jean-Pierre Gattuso

International Scientific Committee, 5th International Symposium on the Ocean in a High-CO2 World;
Laboratoire d'Océanographie de Villefranche, Sorbonne Université, France;
Institute for Sustainable Development and International Relations (IDDRI-SciencesPo), France



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CREDIT: 5th International Symposium on the Ocean in a High-CO2 World: W. Carbajal, F. Vilchez & J. Macalupú

*=presenting author

All sessions will be recorded and archived on the [GOA-ON Youtube Channel](#).

More details about Ocean Acidification Week can be found on the OA Week webpage: <https://bit.ly/OAWeek2020>.

You can also stay up-to-date by following GOA-ON on [Twitter](#) and [Facebook](#)!