

COINATLANTIC COASTAL UPDATE MARCH 2018

Dear Coastal Update Readers,

The Coastal Update has been published monthly since 1997 by the Atlantic Coastal Zone Information Steering Committee (ACZISC), now known as COINAtlantic (Coastal and Ocean Information Network Atlantic). Readers may review the archived issues of the Coastal Update in the [COINAtlantic Website](#) newsletter section.

Please feel free to circulate the Coastal Update among your networks and members. Note that items included do not imply endorsement by COINAtlantic or its member agencies. As always, thank you in advance for your interest in the newsletter. Please visit the [COINAtlantic Facebook](#), [Twitter](#), [YouTube](#), and the [COINAtlantic website](#) for regular updates and event listings.

COINATLANTIC UPDATES & CURRENT WORK



Canada in a Changing Climate: Advancing Our Knowledge for Action

Natural Resources Canada has begun work on the new report “Canada in a Changing Climate: Advancing our Knowledge for Action.” This is meant to be a national assessment of how Canada’s climate is changing, the impacts of these changes and how we are adapting to reduce risk.

The process to develop *Canada in a Changing Climate* is an ongoing collaboration among subject matter experts from a range of backgrounds. Together, they will assess scientific and technical literature, Indigenous knowledge and practitioner experiences to build understanding of the impacts of climate change and the ways we can adapt. The assessment team has particular interest in existing climate change adaptation approaches in any sector that have been implemented, have shown some success and should be shared more widely through the assessment report.

The Coordinating Lead Author for the Atlantic Chapter is Sabine Dietz. If you are interested in contributing to the Atlantic Canada Chapter contact Sabine at sabine.dietz@astergroup.ca.



Call for Contribution Deadlines

COINAtlantic is often involved in the planning and/ or in attendance at these annual and biennial conferences, please note the upcoming contribution deadlines:

- ∞ 1 April 2018 is the deadline to submit abstracts to **ACCESS 2018** (Atlantic Canada Coastal and Estuarine Science Society). The conference will be held at Memorial University in St. John's, Newfoundland from 24–26 May 2018.
- ∞ 15 April 2018 is the deadline to submit abstracts to **CaNOE 2018** (Canadian Network for Ocean Education National Symposium). The conference will be held at the Marine Institute of Memorial University in St. John's, Newfoundland 13–15 July 2018.
- ∞ 29 April 2018 is the deadline to submit abstracts to **CZC 2018** (Coastal Zone Canada). The conference will be held on the campus of Memorial University in St. John's, Newfoundland from 15–19 July 2018.
- ∞ 30 April 2018 is the deadline to submit abstracts to **CoastGIS 2018**. The conference will be held in the township of Ísafjörður in the Westfjords of Iceland from 27–29 September 2018.

HIGHLIGHTS & FEATURES



Balancing the Books: Financial Sustainability for Canadian Water Systems

Balancing the Books: Financial Sustainability for Canadian Water Systems was prepared by Canadian Water Network on behalf of the Canadian Municipal Water Consortium. Following an investigation of financial practices across the country, the report highlights core challenges and provides a menu of opportunities to advance sustainability.

The report lists some of the critical challenges to achieving financial sustainability two of which include: the high cost of unpredictable events, and limited system information and asset management planning.



New East Coast MPA Areas of Interest

The Canadian Department of Fisheries and Oceans announced in March that two new Areas of Interest (AOIs) for Oceans Act Marine Protected Area designation and a proposed spatial conservation measure under the Fisheries Act for the Scotian Shelf Bioregion have been identified. Links to more information, including site descriptions and maps for each site are below:

- ∞ [Eastern Shore Islands AOI](#)
- ∞ [Fundian Channel–Browns Bank AOI](#)
- ∞ [Proposed Eastern Canyons Fisheries Act measure](#)



Low Carbon Economy Challenge

Environment and Climate Change Canada has announced the [Low Carbon Economy Challenge](#), a new federal funding program. The Challenge will provide more than \$500 million for projects that will generate clean growth and reduce greenhouse gas emissions. All provinces, territories, businesses, municipalities, not-for-profit organizations, and Indigenous governments and organizations who meet eligibility criteria will be able to apply. Information sessions started the week of 19 March 2018 and are being held across Canada.



MPAs in the Scotian Shelf Bioregion Report

A department of Fisheries and Oceans Canada Science Advisory Report titled “[Design Strategies for a Network of Marine Protected Areas in the Scotian Shelf Bioregion](#)” is now available. The meeting’s primary focus was to review the proposed approaches to developing Design Strategies for coastal and offshore components of a network of Marine Protected Areas (MPAs) in the Scotian Shelf Bioregion.



Achieving Ocean Sustainable Development

The World Ocean Council and Economic Transformations Group have released the white paper “[Ocean/Maritime Clusters: Leadership and Collaboration for Ocean Sustainable Development and Implementing the Sustainable Development](#)”

Goals”. The paper highlights the need and opportunity to develop Ocean/Maritime Clusters as a key part of achieving ocean sustainable development, implementing the Sustainable Development Goals and advancing the “Blue Economy” and “Blue Growth”. The paper argues that by combining purpose in innovation, competitiveness, productivity, profit and environmental benefits, Ocean/Maritime Clusters can lead ocean sustainable development and realize economic benefits.



World Water Development Report

The 2018 edition of the [World Water Development Report \(WWDR 2018\)](#) was launched at the [8th World Water Forum](#) in Brasilia, Brazil, on 19 March 2018. The report seeks to inform policy and decision-makers, inside and outside the water community, about the potential of nature-based solutions to address contemporary water management challenges across all sectors, and particularly regarding water for agriculture, sustainable cities, disaster risk reduction and improving water quality.



Ocean Atlas

[Ocean Atlas: Facts and Figures on the Threats to Our Marine Ecosystems](#) is a report jointly published by the Heinrich Böll Foundation Schleswig-Holstein, the Heinrich Böll Foundation (national foundation), and the University of Kiel’s Future Ocean Cluster of Excellence. The report summarizes the most important dimensions of interactions between humans, the ocean and its coasts the authors hope to stimulate a broader social and political discussion about the importance of the ocean as a system and the possibilities for protecting it. Read [individual sections here](#).

CONFERENCES, EVENTS, & WEBINARS

A list of regional, national and international conferences, seminars, webinars, courses and other events of relevance to integrated coastal and ocean management is [available here on the COINAtlantic Website](#).

Please send any upcoming events to us you would like included and all relevant information to coinatlantic@dal.ca.

NEWSLETTERS & ARTICLES FROM AROUND THE WORLD

- ∞ The Educating Coastal Communities about Sea-level Rise Project invites citizens to share their sea level rise stories and connect with coastal stakeholders across the country (Canada) through a new [Interactive Impact Map](#). The map allows you to identify and share your observations and experiences with sea-level rise impacts along Canada's coastline. Zoom into a familiar location, create a point, and share your story.
- ∞ The Community Conservation Research Network's (CCRN) [March 2018 Newsletter](#) includes updates on the upcoming May 2018 Communities, Conservation & Livelihoods Conference in Halifax, Nova Scotia which has an early registration deadline of 31 March 2018. The newsletter also introduces the "Shades of Green" project exploring environmental justice in Nova Scotia, part of the unceded territory of Mi'kma'ki. The Shades of Green 2016 Interview series, and more in-depth podcast series, explores the links between how communities steward and protect the environment, along with who wields power and what motivates changes in these relationships.
- ∞ The [Northeast Regional Planning Body](#), [Northeast Regional Ocean Council](#), and [Northeast Ocean Data Working Group](#) have announced the release of the [redesigned Northeast Ocean Data Portal website](#). The Portal's user interface, visual identity, and navigational structure have been redesigned to enhance the site's user-friendliness and performance. The redesign aims to allow for better integration with key ocean planning themes, better highlights use cases and important data considerations, and improves performance on various devices. The web address, data, tools, and major functionalities remain the same.
- ∞ The [Ocean Acidification \(OA\) Information Exchange](#) is a new interactive website that is catalyzing response to ocean acidification through collaboration and information sharing. Members of the OA Information Exchange are using the site's collaborative tools to share resources, engage in online discussions, and interact with people in other disciplines and regions to build a well-informed community working to respond and adapt to ocean acidification. Anyone working on or with an interest in ocean acidification can join the OA Information Exchange.
- ∞ The Open Geospatial Consortium (OGC) is considering developing a Professional Certification program. The program would allow individuals to achieve certification that confirms their competency in specific OGC standards. The program would therefore focus primarily on OGC standards, thereby avoiding overlap with certification programs offered by OGC members and alliance partners. The OGC [invites you to complete an online survey](#) to help improve our understanding of the potential market for such a professional certification program. The survey will be open for responses until 5 April 2018.

- ∞ The March 2018 issue of the [International Coastal Atlas Network \(ICAN\) Newsletter](#) contains a report on the ICAN 8 workshop “Coastal Web Atlases – Enhancing Ocean Literacy” held in Santa Marta, Columbia, 11–12 September 2017; a report on the new United Nations Working Group on Marine Spatial Information; and a feature article on the Strait of Georgia Data Centre (SOG). SOG contains and disseminates historical data for British Columbia as a coastal marine atlas.
- ∞ The March 2018 issue of the [Ocean Biogeographic Information System Newsletter](#) is available. The issue includes the items: Counting seals with drones and thermal imagery, identifying relevant predictors for marine species distribution modelling with MarineSPEED, training course on Marine Species Distribution Modelling, OBIS Nodes training course, and Illuminating the Twilight Zone – expert panel maps the world's mesopelagic zone.
- ∞ The February 2018 issue of the [Too Big to Ignore \(TBTI\) Digest](#) includes updates on the 3rd World Small-Scale Fisheries Congress to be held in Chiang Mai, Thailand, on 22–26 October 2018, the pivotal role of women in small-scale fisheries, and information on the question of whether small-scale fishing gears, generally less destructive than their large-scale counterparts.
- ∞ The March 2018 issue of [CZ-Mail](#) the monthly electronic newsletter from the Massachusetts Office of Coastal Zone Management (CZM) is now available. This issue announces that the CZM, in conjunction with the United States Geological Survey (USGS), has published [Continuous Bathymetry and Elevation Models of the Massachusetts Coastal Zone and Continental Shelf](#). This comprehensive elevation dataset covers the entire [Massachusetts Coastal Zone](#).
- ∞ The workshop report from the Northeast Regional Ocean Council / Northeast Coastal Acidification Network [Ocean and Coastal Acidification \(OCA\) Monitoring Workshop](#) that was held in December 2017 is now available. The workshop was held to achieve the following goals: (1) identify what management and policy questions could be addressed by enhanced OCA monitoring; (2) discuss collaborative opportunities to integrate, enhance and expand OCA and nutrient monitoring throughout the region to address these questions; and (3) broaden the conversation about OCA and coastal resources to local resource managers who may be new to OCA, but are already dealing with other environmental issues that coincide with or worsen OCA.
- ∞ The NASA Earth observatory article “[The Spread of Mangroves in Senegal](#)” depicts the increased area of mangrove growth in coastal areas of Senegal. Senegal’s mangroves have experienced significant regeneration and expansion since 2000. According to a satellite based analysis by NASA, over a 16 year period, scientists measured an expansion totaling 48 square kilometers and regeneration across 148 square kilometers.
- ∞ The March 2018 of [Marine Ecosystems and Management \(MEAM\)](#) is now available. This issue includes the articles “The Skimmer: A very quick update on what’s going on in the Arctic Ocean region and why you should care” and “Trump's proposed offshore drilling plan: What does it mean for US marine protected areas and regional ocean plans?”.

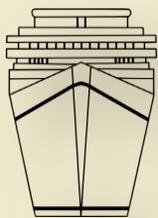
- ∞ The [International Council for the Exploration of the Sea's March 2018 Newsletter](#) is now available. It features the article "Combining indigenous and scientific knowledge in Arctic assessments".
- ∞ The International Institute for Sustainable Development has published a summary of the [47th Session of the Intergovernmental Panel on Climate Change](#) convened from 13–16 March 2018, in Paris, France.
- ∞ NOAA hosts an ongoing [OneNOAA Science Seminar/Webinar series](#). Contact Tracy.Gill@Noaa.gov to sign up for the weekly OneNOAA science seminar email list.

MULTIMEDIA

Central Coast of British Columbia Expedition



The Central Coast of British Columbia Expedition is a partnership between Oceana Canada, Fisheries and Oceans Canada, the Heiltsuk and Kitasoo/Xai'Xais First Nations, Central Coast Indigenous Resource Alliance and Ocean Networks Canada. From 7–14 March 2018 the expedition explored and conducted research in Kynoch Inlet, Seaforth Channel and Fitz Hugh Sound, areas with a high conservation value and that depleted fish populations depend on. See the [Oceana Canada expedition website](#) to follow the progression of the expedition on a map and watch highlights from the live stream. Also see the [Fisheries and Oceans Canada expedition website](#) for more information.



Climate and Security

adelphi is an independent think tank and public policy consultancy on climate, environment and development with a mission is to improve global governance through research, dialogue and consultation. The adelphi Climate Diplomacy team has produced a series of [short video interviews with knowledgeable experts and practitioners in the field of climate and security](#) which can be found on their video platform.



A World Ocean Fund for Responsible Investment

World Ocean Radio is a weekly series of five-minute audio essays on a wide range of ocean issues from science and education to advocacy and exemplary projects, presented by host Peter Neill. The episode [A World Ocean Fund for](#)

Responsible Investment proposes a World Ocean Fund for investment-based forward-looking technologies, sustainability and responsibility in markets to shape the 21st century and beyond.

DEADLINES/FUNDING OPPORTUNITIES

- ∞ 30 March 2018 is the deadline to submit nominations to the [Gulf of Maine Council Annual Recognition Awards](#).
- ∞ 31 March 2018 is the deadline to submit entries to the [2018 Ocean 180 Video Challenge](#) which encourages ocean scientists to share their discoveries and excitement for research with teachers, students, and the public. (At least one individual on the entry's team must be affiliated with a US based institution at the time of submission and/or be a US citizen.)
 - [Registration](#) is now open for the 2018 Ocean 180 Student Judging Team. Middle school students around the world are invited to evaluate the top 10 finalists and select the winners of the 2018 Ocean 180 Video Challenge.
- ∞ 31 March 2018 is the deadline to submit papers to the [Ocean Yearbook Volume 33](#). Articles on ocean governance, living resources of the ocean, non-living ocean resources, transportation and communications, environment and coastal management, maritime security, military activities, regional developments, training and education, and ocean polar issues will be considered.
- ∞ 31 March 2018 is the deadline to apply for the [Marine Stewardship Council Annual Scholarship Program](#). The program "funds unrestricted research for students studying problems and solutions in sustainable fisheries and supply chains".
- ∞ 15 June 2018 is the deadline for the call for nominations for the [2018 Global Biodiversity Information Facility \(GBIF\) Young Researchers Award](#).
- ∞ 3 April 2018 is the deadline to enter the [Commission for Environmental Cooperation's Second Youth Innovation Challenge](#) to compete for \$5,000 in seed funding and present at the North American environmental leaders in Oklahoma City.
- ∞ 21 May 2018 is the deadline to submit nominations for the [2018 World Data System Data Stewardship Award](#). This annual prize celebrates the exceptional contributions of Early Career Researchers to the improvement of scientific data stewardship through their (1) engagement with the community, (2) academic achievements, and (3) innovations.



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