



## COINATLANTIC COASTAL UPDATE September 2018

Dear Coastal Update Readers,

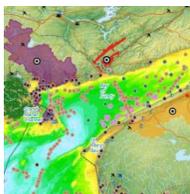
The Coastal Update has been published monthly since 1997 by the Atlantic Coastal Zone Information Steering Committee (ACZISC), now known as COINAtlantic (Coastal and Ocean Information Network Atlantic). Readers may review the archived issues of the Coastal Update in the [COINAtlantic Website](#) newsletter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

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#### New on the COINAtlantic Website



#### Bay of Fundy: Focus on the Gulf of Maine Initiative

This new section of the COINAtlantic website focuses on the Bay of Fundy and the Gulf of Maine Initiative, its projects and partners, and has been funded by Environment and Climate Change Canada. [Learn More.](#)



#### Canada in a Changing Climate: Advancing our Knowledge for Action

The Atlantic Chapter of the national assessment of how Canada's climate is changing, the impacts of these changes and how we are adapting to reduce risk. [Learn More.](#)



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## Local Events With Our Partners

*Be sure to check out our full calendar of events [here](#).*



## Geomatics Atlantic 2018: Oceans of Data

The Geomatics Association of Nova Scotia (GANS) is excited to be hosting the annual **Geomatics Atlantic Conference**, November 14th – 15th 2018 in Halifax, Nova Scotia. This year, the conference theme is ‘Oceans of Data’. The conference will explore innovation, cutting edge R&D, and the future of geomatics in the marine environment.

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## HIGHLIGHTS & FEATURES

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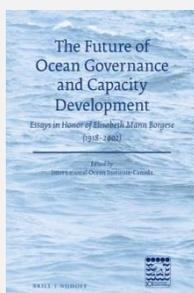
### State of World Fisheries and Aquaculture 2018



The Food and Agriculture Organization (FAO) of the United Nations has released the **2018 State of World Fisheries and Aquaculture Report** presenting the FAO’s official world fishery and aquaculture statistics. The report press release is available [here](#). The report projects that by 2030 combined production from capture fisheries and aquaculture will grow to 201 million tonnes which is an eighteen percent increase over the current production level of 171 million tonnes.

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### The Future of Ocean Governance and Capacity Development: Essays in Honor of Elisabeth Mann Borgese (1918–2002)



The International Ocean Institute–Canada has produced [this collection of over 80 insightful essays](#) on the future of ocean governance and capacity development. The book honors the work of Elisabeth Mann Borgese (1918–2002), preeminent ocean advocate and founder of the IOI. More than 90 leading experts explore future challenges and opportunities for ocean governance and capacity development. Major themes include the law of the sea, ocean sciences, integrated coastal and ocean management, fisheries and aquaculture, communication and negotiations, maritime safety and security, ocean energy, and maritime transportation. The essay collection is aimed at professionals, students and citizens alike – covering themes that parallel those in the annual Training Program of IOI–Canada. A leading member of the International Ocean Institute's network of centers and focal points worldwide, IOI–Canada was founded

by Elisabeth Mann Borgese in 1979.

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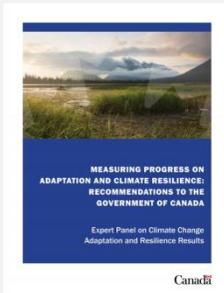
## Combatting Canada's Rising Flood Costs



The report [Combatting Canada's Rising Flood Costs: Natural infrastructure is an underutilized option](#) prepared for the Insurance Bureau of Canada by the Intact Centre on Climate Adaptation, University of Waterloo, assesses the cost of flood damage to infrastructure and private property. The report argues that Canada will continue to experience loss and degradation of its natural infrastructure assets if it does not start to apply robust total economic value assessments for natural versus grey infrastructure solutions. The report includes a framework for natural infrastructure project implementation.

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## Measuring Progress on Adaptation And Climate Resilience in Canada



The Expert Panel on Climate Change Adaptation and Resilience "[Results Measuring progress on adaptation and climate resilience: recommendations to the Government of Canada](#)" has proposed a suite of 54 indicators in the report. The Expert Panel was asked to recommend a suite of indicators to measure progress on adaptation and climate resilience in Canada. The recommended indicators were to align with the five key areas of action identified under the adaptation and climate resilience pillar of the Pan-Canadian Framework on Clean Growth and Climate Change, Canada's national plan to address climate change, build resilience, and grow the economy.

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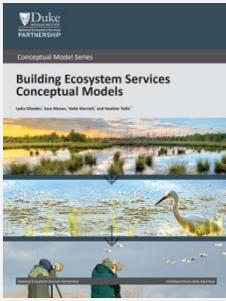
## Geospatial Data for Decision Making



The United Nations Statistics Division and the World Bank have published a new guide aimed at supporting nations worldwide in better utilizing geospatial data in the decision-making process. The "[Integrated Geospatial Information Framework: A Strategic Guide to Develop and Strengthen National Geospatial Information Management](#)" report provides a strategic guide on establishing national geospatial information management processes and putting that information to use.

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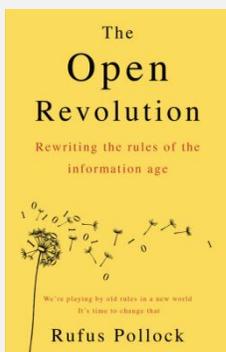
## Ecosystem Services Conceptual Models



The [Ecosystem Conceptual Model Series](#) by the National Ecosystem Services Partnership provides a collection of resources explaining why ecosystem services conceptual models (ESCMs) are useful for decision making, providing guidance for building ESCMs, and describing NESP's initial efforts to standardize and apply these models with federal agency partners. The series aims to provide practical guidance for those who wish to apply ESCMs as a tool for incorporating ecosystem services considerations into their decisions.

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## Rewriting the Rules of the Information Age



The book [The Open Revolution: Rewriting the Rules of the Information Age](#) (links to open access book) by Rufus Pollock argues that we must make a choice between making information Open, shared by all, or making it Closed, exclusively owned and controlled, and how today's Closed digital economy is the source of problems ranging from growing inequality, to unaffordable medicines, to the power of a handful of tech monopolies to control how we think and vote. Choosing Open is the path to a more equitable, innovative and profitable future for all.

## 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 upcoming events and all relevant information you would like to be included to [coinatlantic@dal.ca](mailto:coinatlantic@dal.ca).

## NEWSLETTERS & ARTICLES FROM AROUND THE WORLD

- ∞ [PollutionTracker](#) is a new monitoring program for coastal British Columbia, Canada, designed to help answer the question: how polluted is our ocean? It is documenting the levels and trends of hundreds of contaminants of concern in mussels and nearshore ocean sediments. You can use an interactive map to see what was found in sampled collected in 55 coastal locations between 2015 and 2017.

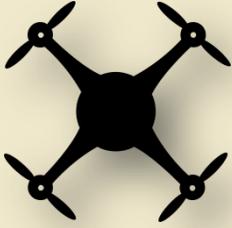
- ∞ The Department of Fisheries and Oceans Maritimes Region has released the report [Review of the Science Associated with the Inner Bay of Fundy Atlantic Salmon Live Gene Bank and Supplementation Programs](#). The review provides an assessment of the Live Gene Bank (LGB) program following 3 generations (i.e., approximately 15 years) of inner Bay of Fundy Salmon population maintenance activities, which will inform the development of an updated 5-year plan for the LGB program.
- ∞ The Leatherback Sea Turtle (*Dermochelys coriacea*) was listed as Endangered under the Species at Risk Act (SARA) in 2003. On September 27, 2018 Fisheries and Oceans Canada posted the proposed version of an [Action Plan for the Leatherback Sea Turtle in Atlantic Canada](#) on the Species at Risk Public Registry. The document will be open for public consultation on the Public Registry for a 60-day comment period.
- ∞ On September 4, 2018 Fisheries and Oceans Canada posted the proposed version of the [Recovery Strategy for the Northern and Southern Resident Killer Whales \(\*Orcinus orca\*\) in Canada](#) on the Species at Risk Public Registry. This document amends the 2011 version to include identification of additional critical habitat for these populations and to provide minor updates to background and species information. This document will be open for public consultation on the Public Registry for a 60-day comment period.
- ∞ The 6th Session of the JCOMM/IODE Expert Team on Data Management Practices was held at the IOC Project Office for IODE in Oostende, Belgium between 17 and 19 September 2018 and the [report is now available](#).
- ∞ The September 2018 issue of the [Ocean Biogeographic Information System Newsletter](#) is available. This issue includes an update on new data loaded to OBIS. Last August, 81 new datasets, 1.2M new records, and 3.5k new marine species were added to OBIS. The current version of the OBIS database now has 59 million occurrences of 121,400 species.
- ∞ The August 2018 issue of the [Too Big to Ignore \(TBTI\) Digest](#) includes updates on: a special issue in the Journal Maritime Studies “(En)Gendering Change in Small-scale Fisheries and Fishing Communities in a Globalized World”; a report on a Transdisciplinary Workshop held October 17–19, 2017 in Puerto Libertad, Sonora, Mexico; a new article “The Contested Commons – The Failure of EU Fisheries Policy and Governance in the Mediterranean and the Crisis Enveloping the SSF of Malta”; and additional TBTI updates.
- ∞ World Oceans Day 2018 included 1,500+ events in 140 Countries with the participation of hundreds of organizations, including aquariums and zoos, private businesses and public agencies, schools and youth groups, and many more. Read the full [World Oceans Day 2018 report](#). Applications are Now Open for the [World Oceans Day Youth Advisory Council](#).

- ∞ A special issue of the journal *Oceanography* on the [Ocean Observatories Initiative](#). The Ocean Observatories Initiative (OOI) in the United States is a National Science Foundation (NSF)–funded major research facility operated as a community resource to provide continuous observations of the ocean and seafloor from several key locations. The data collected, maintained, and disseminated by OOI addresses large-scale scientific challenges such as coastal ocean dynamics, climate and ecosystem health, the global carbon cycle, and linkages among seafloor volcanism and life.
- ∞ The [Washington Marine Debris Action Plan](#) is now available. It is a road map for strategic progress in preventing and reducing marine debris throughout Washington State, including the Puget Sound, the Northwest Straits, Washington’s Pacific Coast, the Columbia River estuary, and inland sources.
- ∞ The September 2018 issue of [CZ-Mail](#) the monthly electronic newsletter from the Massachusetts Office of Coastal Zone Management (CZM) is now available. Among many other events opportunities and resources listed, this issue includes updates on CZM’s completion of a sixth Marine Invasive Species Rapid Assessment Survey from July 23–27, 2018 and, a MassBays project utilizing new technology to examine eelgrass loss in Duxbury–Kingston–Plymouth Bays.
- ∞ The September 2018 issue of [Marine Ecosystems and Management](#) (MEAM) is now available. This issue includes the articles: “Tiny but mighty: Ocean health depends on bacteria and viruses, so what should managers know about them?”; and “The EBM Toolbox: Teaching marine protected area design and management: Resources and trainings”.
- ∞ The September 2018 issue of [MPA News](#) is now available. This issue includes the articles: “Unique study of partially protected MPAs offers new insights on when they protect biodiversity and when they do not” and “A compilation of resources and trainings on MPA design and management, across education levels”.
- ∞ The [International Council for the Exploration of the Sea’s \(ICES\) September 2018 Newsletter](#) is now available. It includes the articles: “Seeing and believing: transparency and openness at work”, addressing openness and transparency surrounding data, and the challenges ahead for ICES; and “Working for the present and future of aquaculture” two new expert groups will focus on planning for aquaculture and interactions between the practice and the environment.
- ∞ The International Institute for Sustainable Development has published a Summary of the High Level Scientific Conference: [From COP21 towards the United Nations Decade of Ocean Science for Sustainable Development \(2021–2030\)](#) that took place from 10–11 September in Paris, France, at the UN Educational, Scientific and Cultural Organization (UNESCO).
- ∞ NOAA hosts an ongoing [OneNOAA Science Seminar/Webinar series](#). Contact [Tracy.Gill@Noaa.gov](mailto:Tracy.Gill@Noaa.gov) to sign up for the weekly OneNOAA science seminar email list.

## MULTIMEDIA

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### 10 Steps to Getting Started with Drones



This directions Magazine podcast presentation explores 10 steps to getting launched in the growing drone industry. The presentation interview is with Abby Speicher Carroll is the CEO and Founder of DARTdrones.

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### Reducing Plastic Waste



A bonus video for the [Kids Can Save The Planet](#) documentary series offers helpful and practical tips on reducing plastic consumption.

## DEADLINES/FUNDING OPPORTUNITIES

- ∞ 31 October 2018 is the deadline to apply to the [Robin Rigby Trust 2018](#) for Collaborative Coastal Research.



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