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OCEAN TRACKING NETWORK DATA POLICY AND MANAGEMENT METHODS

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SSHRC CRSH

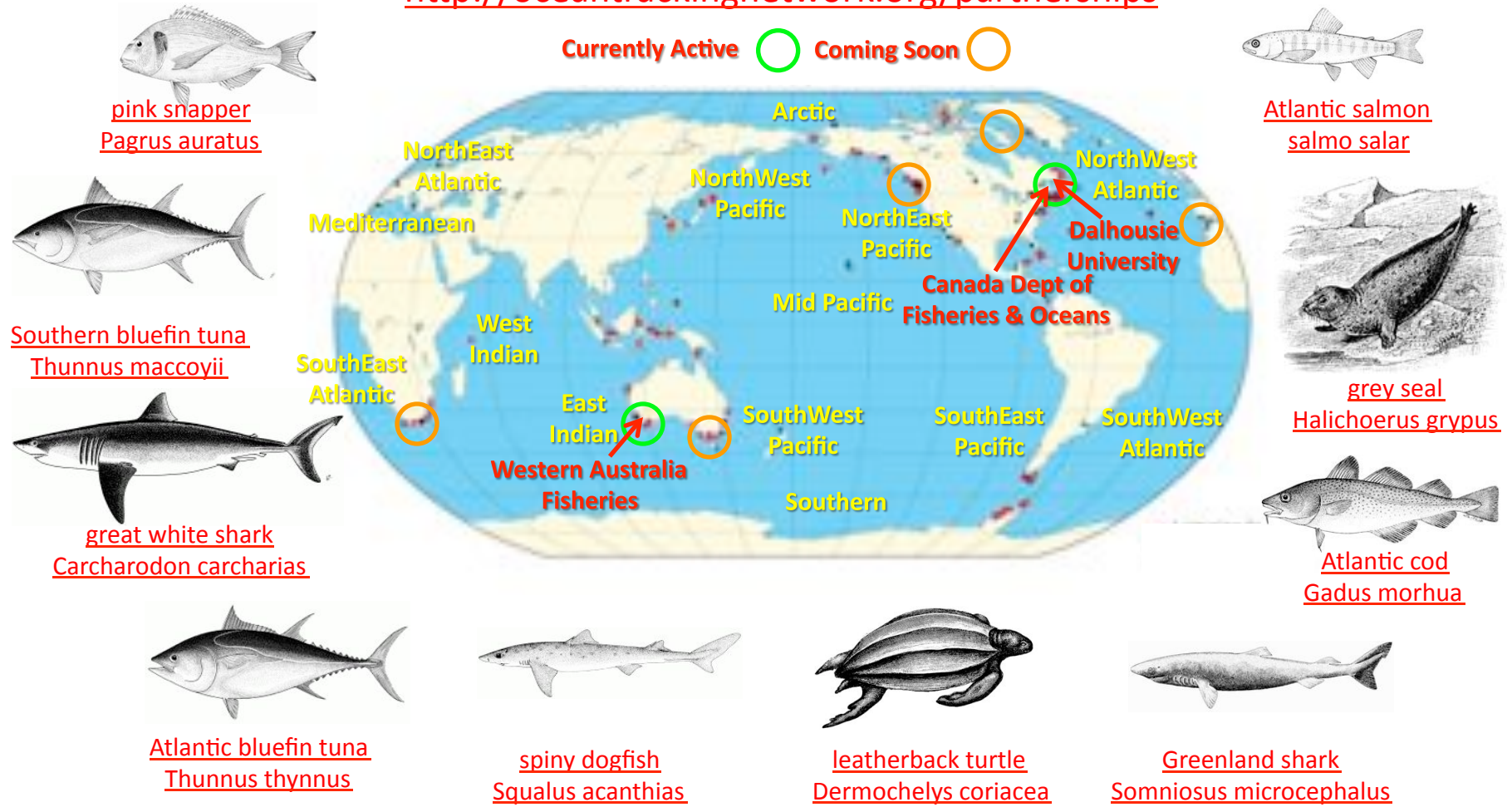


Outline

- What is the Ocean Tracking Network?
- OTN Data Policy
 - Definitions ...
 - Submission and Access ...
 - Use of OTN Data ...
 - Sustainability and Availability ...
- Other Canadian Ocean Science Initiatives

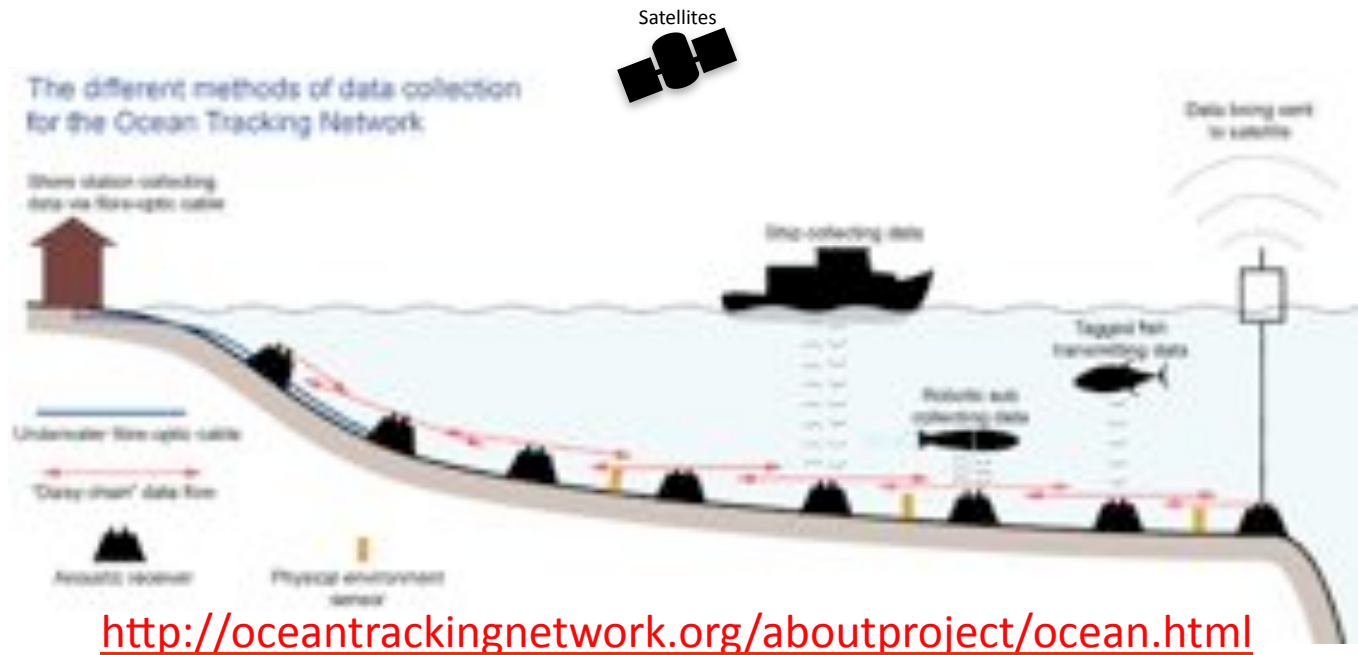
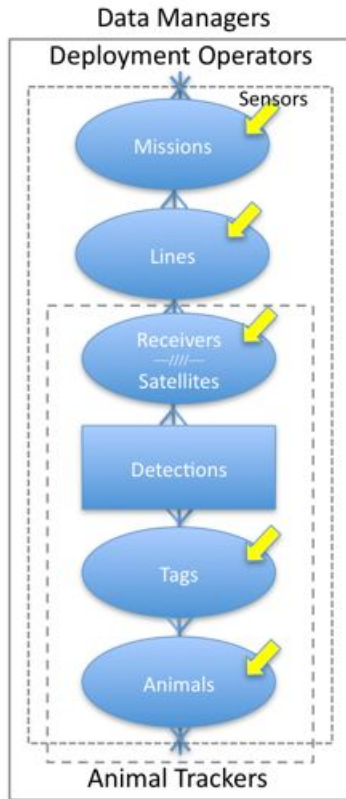
OTN is a Global Initiative

<http://oceantrackingnetwork.org/partnerships>



Map Credit: Dan Ricard, Drawing credits: www.fao.org , www.marinespecies.org and etc.usf.edu

A Technical Overview



<http://oceantrackingnetwork.org/aboutproject/ocean.html>



acoustic tags¹



acoustic receivers¹



acoustic mooring assemblies²



satellite tags³

Photo Credits: ¹www.vemco.com ²oceantrackingnetwork.org ³www.wildlifecomputers.com

A NW Atlantic Overview



<http://www.marinebiodiversity.ca/OTN/data/data-collection/Risk Mitigation>

OTN's Data policy...

- A) **DEFINITIONS** - “Deployment Collaborators”, “Tracking Collaborators”, “Restricted Data” “Unrestricted Data” ...
- B) **DATA SUBMISSION** - Deployment Collaborators are responsible for ensuring that data are uploaded in accordance with predefined OTN standards ...
- C) **RESTRICTED DATA SUBMISSION** - Tracking Collaborators shall be entitled to require that access to the data which they upload to OTN initially be restricted ...
- D) **ACCESS TO OTN DATA**
 - 1. **Unrestricted Data** - Unrestricted public access to the OTN Portal is generally limited to static information products ...
 - 2. **Restricted Data** - Those who wish to access OTN data other than what is provided via www.oceantrackingnetwork.org are required to become a registered member/user ...
- E) **USE OF OTN DATA** - All individuals who access OTN Data shall provide proper attribution to all Data Providers ...
- F) **SUSTAINABILITY AND AVAILABILITY** - The OTN International Project Coordination Committee will be responsible for conducting periodic reviews of data management activities in each OTN region ...
- G) **ACKNOWLEDGMENTS** - Australian Acoustic Tracking And Monitoring System (AATAMS), Canadian Department of Fisheries and Oceans (DFO), Pacific Ocean Shelf Tracking (POST) Project, Ocean Yearbook 22

<http://www.marinebiodiversity.ca/OTN/policies/OTN-Data-Policy>

Definitions ...

Instrument data*

VUE Software Support

- Software Downloads
- VR2 Support
- VR2W Support
- VR3 Support
- VR100 Support
- VR28 Support
- VR60 Support
- VRAP Support
- Minilog Support
- VUE Support
- Returning Materials

PLEASE READ: Important VUE Software Advisory

The new VEMCO User Environment (VUE) PC Software for initialization, configuration and data upload from VEMCO receivers allows users to combine data from multiple receivers of varying types into a single integrated database.

The current VUE release works with both VR2 and VR2W receivers. VUE is also able to import VR2 legacy data files created by VR2PC.

For VR2 users, VUE will work with your existing VR2PC reader and serial probe. Choose the link below to download and start using VUE today!

IMPORTANT: Users must upgrade to the latest version of VUE Software to use VR2Ws updated with the latest Firmware Version 2.0 (or greater). Please read the VR2W Customer Advisory.

NEW! VUE Software Version 1.8 Now Available!

This VUE release also includes files required for firmware upgrade. Enhancements made include:

- Added optional direct receiver offloading to CSV or VR2 formatted files
- Added CSV export formatting options
- Added chart display options
- Improved Windows 7 compatibility

Downloads for VUE:

- VUE Software Download
- Bluetooth® USB Adapter Drivers Notice (For Belkin Model F8T017)

TAG_SERIAL_NUMBER	TAG_ID_CODE	TAG_CODE_SPACE	TAG_IMPLANT_TYPE	TAG_ACTIVATION_DATE	EST_TAG_LIFE	TAGGER	TAG_OWNER_PI	TAG_OWNER_ORGANIZATION
1234567	100	A180-1701			422 days	Joe Scientist	U. Anywhere	
1234568	101	A180-1701			422 days	Joe Scientist	U. Anywhere	
1234565	102	A180-1701			422 days	Joe Scientist	U. Anywhere	
1234564	103	A180-1701			422 days	Joe Scientist	U. Anywhere	
1234563	104	A180-1701			422 days	Joe Scientist	U. Anywhere	
1234562	105	A180-1701			422 days	Joe Scientist	U. Anywhere	
1234561	106	A180-1701			422 days	Joe Scientist	U. Anywhere	
1234560	107	A180-1701			422 days	Joe Scientist	U. Anywhere	
1234559	108	A180-1701			422 days	Joe Scientist	U. Anywhere	
1234558	109	A180-1701			422 days	Joe Scientist	U. Anywhere	
1234557	110	A180-1701			422 days	Joe Scientist	U. Anywhere	
1234556	111	A180-1701			422 days	Joe Scientist	U. Anywhere	
1234555	112	A180-1701			422 days	Joe Scientist	U. Anywhere	
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1234550	117	A180-1701			422 days	Joe Scientist	U. Anywhere	
1234549	118	A180-1701			422 days	Joe Scientist	U. Anywhere	
1234548	119	A180-1701			422 days	Joe Scientist	U. Anywhere	
1234547	120	A180-1701			422 days	Joe Scientist	U. Anywhere	
1234546	121	A180-1701			422 days	Joe Scientist	U. Anywhere	

Collection Metadata**

* http://www.vemco.com/support/vue_support.php

** <http://www.marinebiodiversity.ca/OTN/data/data-collection/otn-data-sheet-catalogue>

Data Submission and Access ...

***Deployment Collaborators** must submit all deployment metadata and detection data.*

Citation, abstract, station locations, ^{DOI} deployment times, TagIDs and oceanographic observations are public.

Exact location of receivers and detection times are restricted.

***Trackers** wishing to access detections data must first submit all relevant release metadata.*

Citation, abstract, species, approximate ^{DOI} locations and start/end date of study and oceanographic observations are public.

TagIDs, tagging methods, biological observations, exact locations and times are restricted.

Metadata and detections are assembled into spatially enabled tracks and made restricted.

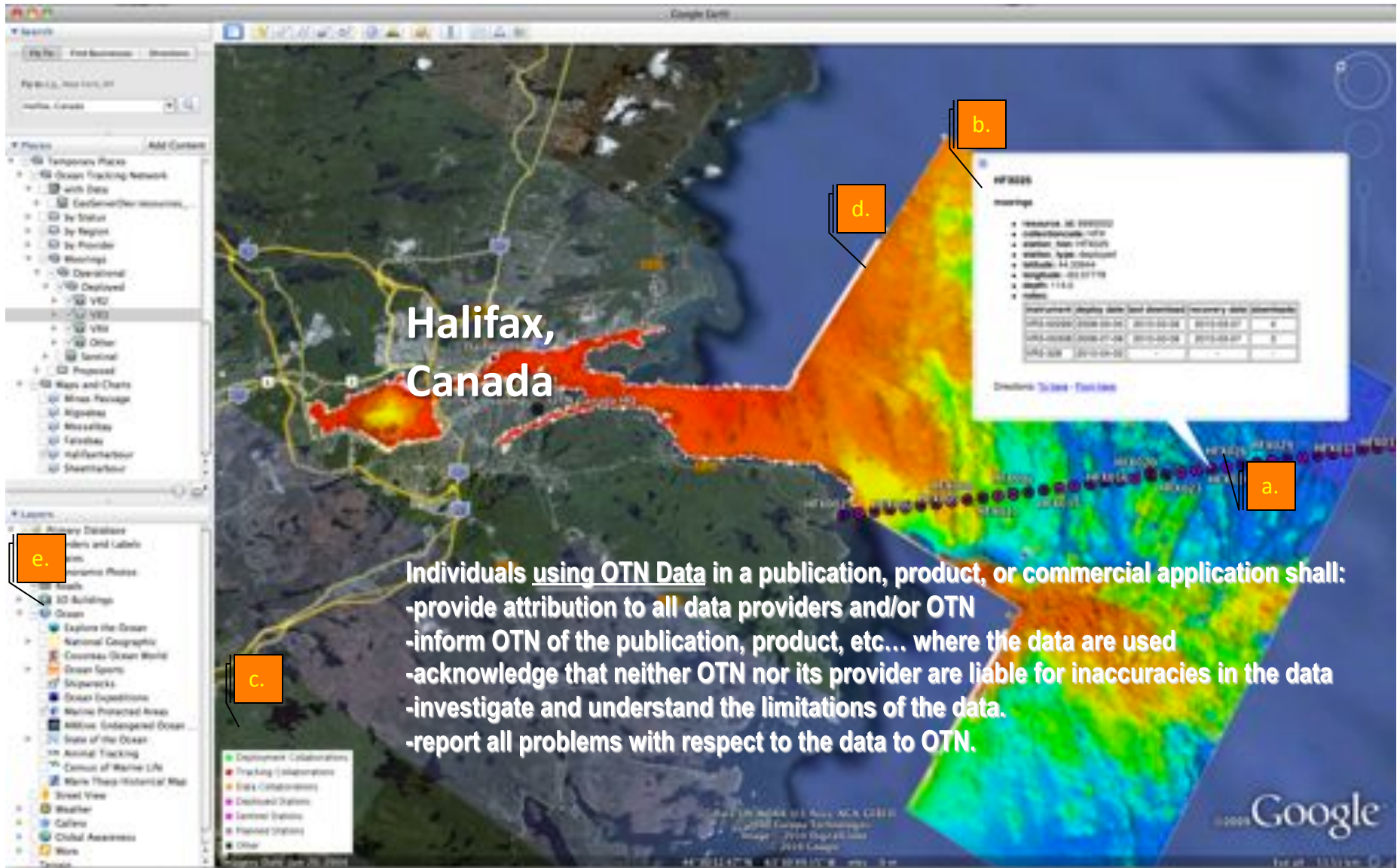
Start date of tracks are public. ^{DOI}

Trackers may control who can access restricted metadata, data and tracks for ~2 year after end of study.

Track details become unrestricted.

Anyone wishing to access private metadata, etc ... must register with OTN and execute a Data Use Agreement

Use of OTN Data ...



Individuals using OTN Data in a publication, product, or commercial application shall:

- provide attribution to all data providers and/or OTN
- inform OTN of the publication, product, etc... where the data are used
- acknowledge that neither OTN nor its provider are liable for inaccuracies in the data
- investigate and understand the limitations of the data.
- report all problems with respect to the data to OTN.

<http://www.marinebiodiversity.ca/OTN/data/google-earth-and-maps-products>

Sustainability and Availability...

Fisheries and Oceans Canada
www.dfo-mpo.gc.ca

Home > Science > Data and Products > Integrated Science Data Management.

Integrated Science Data Management (ISDM)

Providing Access to Ocean Data

ISDM's mandate is to manage and archive ocean data collected by DFO, or acquired through national and international programmes conducted in ocean areas adjacent to Canada, and to disseminate data, data products, and services to the marine community in accordance with the policies of the Department.

Programme Descriptions

- [Arco](#)
- [Atlantic Zone Monitoring Programme](#)
- [BioChem](#)
- [Climate Variability \(CLIVAR\)](#)
- [National Contaminants Information](#)
- [Tides and Water Levels](#)
- [Global Temperature-Salinity Profile](#)
- [Joint Commission on Oceanography Meteorology \(J-COMM\)](#)
- [Responsible National Oceanographic \(RNODC\)](#)
- [Ship of Opportunity Programme \(SOOP Implementation Plans\)](#)

Data Request Form

Requests for data, data products and additional information may be made online by completing the Data Request Form.

Important Messages

[Commercial Reproduction](#)

[Best Notices](#)

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Left sidebar menu: About Us, Media, Topics (Aquaculture, Aquatic Species, Fisheries, International Fisheries, Nautical Charts and Services, Oceans, Science, Regions and Facilities, Careers, Collaboration in Science and Technology, Scientific Advice, Scientific Data and Products, Nautical Charts, Science Publications and Multimedia, Centres of Expertise, Small Craft Harbours, Working Near Water), Regions, Resources, Proactive Disclosure.

OBIS OCEAN BIOGEOGRAPHIC INFORMATION SYSTEM

Welcome to OBIS!

OBIS allows users to search marine species datasets from all of the world's oceans.

SEARCH OBIS PAGES

SEARCH

OBIS.ORG VERSION 2

Looking for the version of the OBIS website from before September 2010? OBIS version 2 is still running here.

RECENT NEWS

- 2010-09-21 Launch of the new OBIS web site imminent
- 2010-09-02 Prototype OBIS web site becomes available
- 2010-09-02 OBIS node manager on study visit
- 2010-08-02 New Data on OBIS
- 2010-07-18 New members of staff

With our evolving OBIS database repository, users can identify biodiversity hotspots and track viable conservation patterns, establish dimensions of species over time and space, and...

www.iode.org

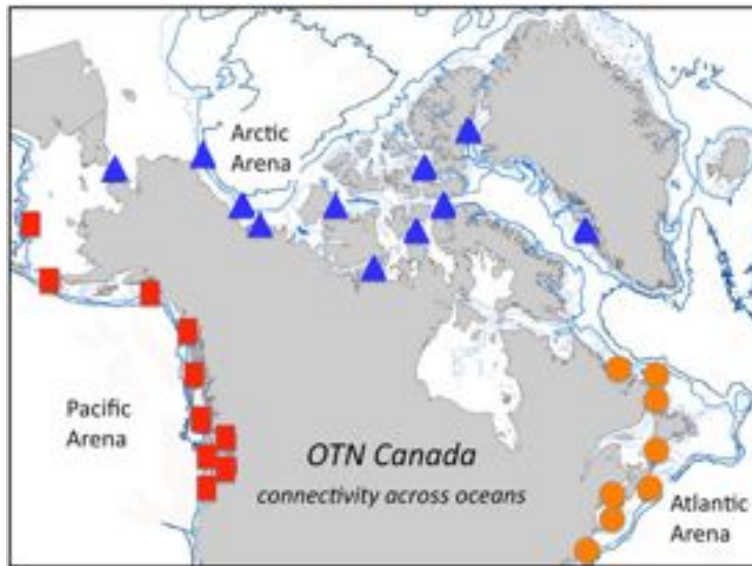
OBIS aims to document the ocean's diversity, distribution and abundance of life. Created by the Census of Marine Life, OBIS is now part of the International Oceanographic Commission of UNESCO, under its International Oceanographic Data and Information Exchange programme.

www.meds-sdmm.dfo-mpo.gc.ca/isdm-gdsi/index-eng.html

www.iobis.org

More on Canadian Ocean Science ...

OTN Canada - Understanding Species Movements, Interactions, and Environmental Variability Across Canada's Three Oceans (NSERC/SSHRC)



POKM – Platform for Ocean Knowledge Management (CANARIE)

POST – Pacific Ocean Shelf Tracking (CoML)

Neptune - North-East Pacific Time-series Undersea Network Experiments (CFI)

CHONe – Canadian Healthy Ocean Network (NSERC)

FSRS – Fishermen and Scientist Research Society (NSERC)





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OCEAN TRACKING NETWORK

Headquartered at Dalhousie University, Canada

<http://oceantrackingnetwork.org/>

OTN Canada Now Recruiting!

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- OTN Global

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OTN Funding Partners:



A new world standard for ocean research

Our climate is changing — of this we are sure. Marine life survival is becoming uncertain due to overfishing and changing migration patterns. Animals such as polar bears are becoming visibly anxious as their habitats begin to melt. Oceans are becoming warmer; the polar ice caps are melting.

The alarming thing is that we don't really know why. Information from beneath the sea's surface is very limited, despite the fact that continued human survival is directly linked to stable oceanic life.



Acoustic receiver assemblies lay on the deck of the fishing vessel Cape Rose ready for deployment on the OTN Minas Passage Line, July 14, 2010 (photo by Duncan Bates, OTN HQ)

Read more...

View more photos...

