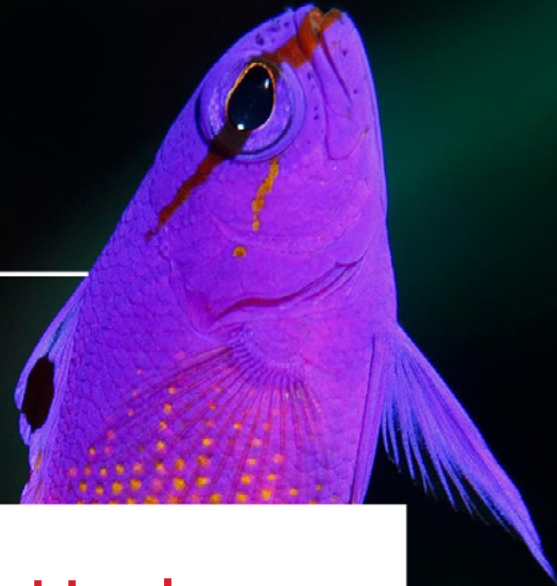


# 2024 OTN Symposium

Halifax, N.S. | Sept. 23-26



## AGENDA

**This is a draft agenda and subject to change.**

### September 23

- 13:00 Optional facilities tour at OTN or Innovasea (pre-registration required)
- 18:00 Opening event - evening social

### September 24 & 25

- 8:30 - Main symposium program. A detailed agenda of each day is available on the following pages.
- 17:00

### September 26

- 9:00 - Early career researcher (ECR) workshop (pre-registration required). A separate agenda will be released at a later date.
- 17:00

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## Tuesday, September 24

- 8:30 Registration
- 9:00 Welcome remarks
- 9:30 Keynote speaker: Sara Iverson
- 10:30 Break
- 11:00 Oral presentations (3 concurrent sessions)

International research programs	Fisheries management	Freshwater & estuaries
<i>A roadmap for telemetry impact: Using a Three Horizons Framework for ETN-UK and Ireland - Vivian Nguyen</i>	<i>How collaborative projects like Apoqmatulti'k offer a way forward for aquatic stewardship - Shelley Denny</i>	<i>Using tracking studies to support the resurgence of Coast Salish First Nations fishing technologies - Jared Conroy</i>
<i>First insights into the movement ecology of reef mantas (Mobula alfredi) in South Africa - Nakia Cullain</i>	<i>iKaluk: An overview of Arctic char fishery in Nunatsiavut to support Inuit food security - Dylan Seidler</i>	<i>Spatiotemporal use of created wetlands by freshwater fishes in urban areas - Tanya Lemieux</i>
<i>Horizontal movement phenotypes of spiny dogfish and their social interactions in four dimensions - Lotte Dahlmo</i>	<i>Working with the artisanal fishermen to understand the movement ecology of sharks in the Gulf of California - Frida Lara Lizardi</i>	<i>Habitat-dependent metabolic costs of movement for a wild cold-water fish - Benjamin Hlina</i>
<i>Manta movements in the Mexican Pacific Ocean - Paul Preciado-González</i>	<i>The spatial distribution and migratory behaviour of Atlantic cod on the Eastern Scotian Shelf: Insights from fisheries independent acoustic telemetry data - Izzy Langley</i>	<i>Using machine learning to compare acoustic receiver performance across different river systems - Devon Smith</i>

- 12:00 Lunch
- 13:00 Oral presentations (3 concurrent sessions)

International research programs	Freshwater & estuaries	Collaboration & outreach
<i>Migration and residency patterns of nurse sharks (Ginglymostoma cirratum) tagged in Biscayne Bay - Sander Elliott</i>	<i>Using Etuaptmuk (Two-Eyed Seeing) to understand movements of ji'kaw (striped bass) in Pitu'pa'q (Bras d'Or Lake) - Caitlin Bate</i>	<i>Leveraging novel opportunities outreach to engage public audiences in ocean science - Amanda Leslie</i>
<i>Decoding the drivers of habitat partitioning in sympatric sharks at a remote atoll - Chloe Blandino</i>	<i>Seasonal habitat use of Arctic char and lake trout in high Arctic lakes from fine-scale acoustic monitoring (VPS) - Véronique Dubos</i>	<i>Assembling a community-led framework for telemetry data analysis - Hugo Flavio</i>

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<i>Understanding the habitat use of endangered marine megafauna in Costa Rica: Acoustic telemetry approaches - Daniel Arauz-Naranjo</i>	<i>Describing movements of ecologically and economically important fish species in Great Lakes - Chris Vandergoot</i>	<i>Bridging communities and Apoqnmaulti'k: The role of community liaisons - Skyler Jeddore</i>
<i>Decoding acoustically tagged tiger shark (<i>Galeocerdo cuvier</i>) seasonal movements around Maui Nui, Hawai'i - Paige Wernli</i>	<i>Comparing the migration behaviour and survival of Atlantic salmon (<i>Salmo salar</i>) and brown trout (<i>Salmo trutta</i>) smolts - Lene Sortland</i>	<i>Utilizing data mobilization and collaboration in international scientific partnerships: Best practices and promising results from the Atlantic Salmon Research Joint Venture - Alexis Knight</i>

14:00 Break

14:30 Speed talks (3 concurrent sessions)

<b>Elasmobranch Conservation &amp; management</b>	<b>Management &amp; best practices</b>	<b>Movement ecology</b>
<i>Movements and connectivity of the great hammerhead shark in the western Tuamotu archipelago: In search of its functional habitats - Tatiana Boube</i>	<i>TrackdAT: A global acoustic telemetry metadata project - Chris Vandergoot</i>	<i>Temporal variability in estuarine consumer movement strategies: Ecological causes and consequences - Mack White</i>
<i>Developing management and conservation relevant high-resolution species distribution models of blue sharks and whale sharks in the North Atlantic and Mexican Pacific Ocean - Esteban Salazar</i>	<i>Development and growth of the Atlantic Cooperative Telemetry Network - Kim Richie</i>	<i>Atlantic mackerel collapse: Examining spatial ecology in support of stock recovery - Morgan Piczak</i>
<i>The blackchin guitarfish in Cabo Verde: Past, present and future conservation research - Manuel Dureuill</i>	<i>Using telemetry to assess the efficacy of a new Marine Protected Area for protecting fish spawning aggregations - Jessica Robichaud</i>	<i>Fine-scale habitat use by landlocked Arctic charr (<i>Salvelinus alpinus</i>) in a Maine, USA lake - Gregory Kronisch</i>
<i>Social Behavior of tiger sharks (<i>Galeocerdo cuvier</i>) in Fernando de Noronha: A rare observation - Danielle Viana</i>	<i>Best practices guide for acoustic telemetry applications to offshore wind impact monitoring - Beth Bowers</i>	<i>Spatial overlap of alien European flounder (<i>Platichthys flesus</i>) and native Arctic charr (<i>Salvelinus alpinus</i>) and brown trout (<i>Salmo trutta</i>) in near-shore waters - Michelle Valliant</i>
<i>A systematic assessment of the increasing presence of white sharks in Atlantic Canada waters - Hassen Allegue</i>	<i>MigraMar on satellite and acoustic tagging in the Eastern Tropical Pacific - Marta Cambra</i>	<i>Seasonal residency and overwintering behaviour of striped bass (<i>Morone saxatilis</i>) in the Annapolis River, Nova Scotia - Keeler Colton</i>
<i>Acoustic telemetry network in Fernando de Noronha: From understanding shark behavior to integrated marine conservation - Ivan Martins</i>		<i>Extreme dives in swordfish: Characterization of movements and exploration of motivations - Ciara Willis</i>

15:30 Workshops (3 concurrent sessions)

<b>Workshop (1.5 hr)</b>	<b>Workshop (1.5 hr)</b>	<b>Workshop (2 hr)</b>
<i>Relative habitat selection and resource selection functions in aquatic acoustic telemetry: Theory, application and process - Lucas Griffin, Jonathan Rodemann</i>	<i>Use of electricity to immobilize fish for surgical practices - Chris Vandergoot</i>	<i>Using reflexivity for equitable and rigorous science - Megan Bailey</i>

18:00 Poster session

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## Wednesday, September 25

9:00 OTN strategic plan panel

10:30 Break

11:00 Oral presentations (3 concurrent sessions)

Movement ecology	Canadian research programs	Methods & tools
<i>Predator-prey interactions and implications of acoustic telemetry frequency on the survival of anadromous salmonids migrating through high pinniped predation risk areas - Xavier Bordeleau</i>	<i>Insights from the Northern Cod Acoustic Telemetry (NCAT) project - Daniel Ruzzante</i>	<i>A retrospective on OTN's role in advancing statistical methods for complex marine data analysis - Joanna Mills Flemming</i>
<i>Implantation of a micro-acoustic tag alters feeding behaviour in juvenile sea lamprey - Evan Bellhouse</i>	<i>Conflicts in conservation: Is the dramatic recovery of striped bass (<i>Morone saxatilis</i>) in the Miramichi River harming the conservation of Atlantic salmon (<i>Salmo salar</i>)? - Karl Phillips</i>	<i>A methodological approach towards resource landscapes through acoustic telemetry and stable isotope analysis: Atlantic tarpon - Lucas Griffin</i>
<i>Gone but not forgotten: Collaborative telemetry network provides insight into out-of-system movements of common snook - Victoria Goldner</i>	<i>Impact of finfish farms in eastern Canada on American lobster (<i>Homarus americanus</i>) and rock crab (<i>Cancer irroratus</i>) movements - Marie-France Lavoie</i>	<i>Step selection analysis with non-linear and random effects in mgcv - Natasha Klappstein</i>
	<i>Transforming relationships with the ocean through science at the Bamfield Marine Sciences Centre - towards a new frontier for ocean science in western Canada - Sean Rogers</i>	<i>DaViT: Bridging the gap to open data - Joy Young</i>

12:00 Lunch

13:00 Oral presentations (3 concurrent sessions)

Collaboration & outreach	Canadian research programs	Conservation & management
<i>The Ocean Data Project: Monitoring Mi'kma'ki climate health - Ebony Demers</i>	<i>Ocean Tracking Network detections for the 'Maritimes Conservation Network' inform conservation science and monitoring - Harri Pettitt-Wade</i>	<i>Updated development of a species distribution model to assess overlap with marine renewable energy devices - Charles Banglely</i>

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Making waves in the North Sea - the NorTrack & DTOTrack projects - Claudia Meneses	Rock crab ( <i>Cancer irroratus</i> ) and spider crab ( <i>Hyas spp.</i> ) clear seasonal patterns of movement with drastically reduced activity during the winter months - Kathleen MacGregor	The potential of passive acoustic monitoring to help inform conservation and management of northwest Atlantic leatherback sea turtles ( <i>Dermochelys coriacea</i> ) - Derek Aoki
Turkish Straits Telemetry Network: Bluefish tracking effort - Aytaç Özgül	Influences of environmental and individual-level covariates on movement behaviour in American lobster - Jean-Marc Nicolas	Using remote sensing and passive integrated transponder mark-recapture to understand impacts of two decades of habitat change on a juvenile lemon shark nursery - Emily Cormier
Animal telemetry and the Brazilian National Oceanic Observation and Monitoring Network (ReNOMO): Integration to OTN - Mônica M. C. Muelbert	Diving deeper into whale foraging ecology using integrated technologies and approaches - Sarah Fortune	

**14:00** Break

**14:30** Premium presentations and panels (3 concurrent sessions)

Panel (1 hr)	Presentation (30 min each)	Panel (1.5 hr)
Ocean-going robots: Applications in aquatic telemetry research - Mae Seto, Adam Comeau, Sean Potter, Fiona Lynch	NexTrak: The future of acoustic telemetry - Stephanie Smedbol, Innovasea	Tagging sensor panel: Rob Lennox, Emma Cooke, Natalie Koopman, Spencer Richard, Karl Phillips
	Advancements in acoustic telemetry - Donna Kehoe, Lotek	

**16:30** Closing remarks