



2018
2019

ANNUAL REPORT



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Letter from Leadership

In 2018-19, we built upon the success of our previous six years to offer programs and opportunities to the Network, our partners and stakeholders, and the broader ocean science community. Our approach throughout the year was to identify connections with the most benefit to our researchers, to the marine environment, and to Canada.

In December 2018, the government announced that the Networks of Centres of Excellence (NCE) program, under which MEOPAR receives funding, would be phased out in favour of new government-directed funding opportunities. As the end of the NCE program will be timed to match the individual networks, MEOPAR will continue to be funded until 2022. Our focus has now shifted away from plans for renewal at the end of our second cycle in 2022. Instead, we are cementing the gains already established; pursuing activities that maximize the impact we can have by 2022; and identifying the areas with the best chance of legacy through spin-offs or alternate funding.

This was an exciting year for our organization, putting into practice our belief that our strength as a Network lies in our connections. We brought together people and organizations from different disciplines, regions and backgrounds to work to solve issues facing Canada's ocean sector, including the Canadian Integrated Ocean Observing System (CIOOS). We funded impressive new cohorts of postdoctoral fellows (PDF) and early career researchers. Our knowledge mobilization efforts led to the launch of the Fathom Fund: a new, innovative approach to incorporating the crowd into scientific research.

While MEOPAR as we know it will not continue past March 2022, we are pushing full steam ahead on our program areas and activities to ensure the greatest achievement by our organization wrap-up. We continue to think about and explore other options for funding post-2022; in the meantime, we are not going anywhere but forward.

KAREN DODDS, Chair of the Board
DOUG WALLACE, Scientific Director
RON PELOT, Associate Scientific Director

About MEOPAR

The Marine Environmental Observation, Prediction and Response Network (MEOPAR) is a national Network of Centres of Excellence, connecting top marine researchers across the country with highly-qualified personnel (HPQ), partners and communities. MEOPAR aims to train the next generation of marine research professionals, fund leading-edge research, and connect research results to real-world solutions.

VISIT meopar.ca FOR MORE INFORMATION.

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Frantzou Fleurine, Unsplash

Photo courtesy of TJ Holowaychuk,
Unsplash



39

Active research projects



\$5,160,087

Funding granted to research



94

Investigators and collaborators

HIGHLIGHTS: Research Program

Over the past seven years, MEOPAR has supported solutions-oriented research that addresses risks and opportunities for human activity on the marine environment. MEOPAR's research program is the backbone of our efforts, enabling other valuable programs to continue the research excellence we have developed.

EARLY CAREER AWARDS

In 2018-19, we strengthened the capacity of our researchers through funding, collaborative research initiatives, and new connections. In the fall of 2018, we held a second Early Career Research Call, awarding 17 grants of approximately \$100,000 each, which will support researchers to establish their first labs, develop partnerships, and hire students. The winning recipients are gender and region-balanced, and support a range of disciplines within the broader marine research theme.

CIOOS

For the last few years, MEOPAR has collaborated with Fisheries and Oceans Canada to implement the pilot phase of the Canadian Integrated Ocean Observing System (CIOOS). Formally announced in 2019, the pilot program has established regional nodes nationwide, creating formal partnerships with the Ocean Frontier Institute (OFI), Dalhousie University, the Coastal and Ocean Information Network (COIN) Atlantic, the Fisheries and Marine Institute of Memorial University of Newfoundland, the Ocean Tracking Network (OTN), the St. Lawrence Global Observatory, the Tula Foundation, and Ocean Networks Canada (ONC) at the University of Victoria. This initiative better links Canadian researchers and connects Canada to the international research community, and improves our ability to observe, predict and respond to a changing marine environment.

“Collaborations such as this with the Marine Environmental Observation, Prediction and Response Network help us better understand how the oceans are changing and what that means for the way of life for so many Canadians who make their living on the sea. This national ocean observation system will help us determine the next steps we take to protect our oceans for generations to come.”

HON. JONATHAN WILKINSON

MINISTER OF FISHERIES, OCEANS, AND THE
CANADIAN COAST GUARD



288

Number of HQP involved in 2018-19



700+

Total HQP trained by MEOPAR to date



\$252,710

Total funding awarded in 2018-19*



33

Degrees completed this year

Photo courtesy of Jeremy Bishop,
Unsplash

* includes PDF, training awards and travel awards

HIGHLIGHTS: Training Program

MEOPAR's training program trains Highly-Qualified Personnel (HQP) in interdisciplinary research and career skills related to marine environment risk and opportunity. Since its inception, MEOPAR has developed a training program recognized for its strong connections to marine sector partners and emphasis on interdisciplinary networking and collaboration.

POSTDOCTORAL FELLOWSHIPS

Our postdoctoral fellowship call was launched in the summer of 2018, funding nine new graduates and researchers in September 2018 as they moved into the next stages of their academic careers. The fellowships are top-up awards designed to improve quality of life for the next generation of marine leaders, bringing new, highly-skilled researchers into the MEOPAR Network. Six of the nine fellowship recipients are women, with winners located in five provinces across Canada. In addition, MEOPAR was proud to support a postdoctoral fellow in a community college, a recognition of the applied research and innovation work that occurs in Canada's colleges and institutes. These are the first research funds to be sent by MEOPAR outside the university system.

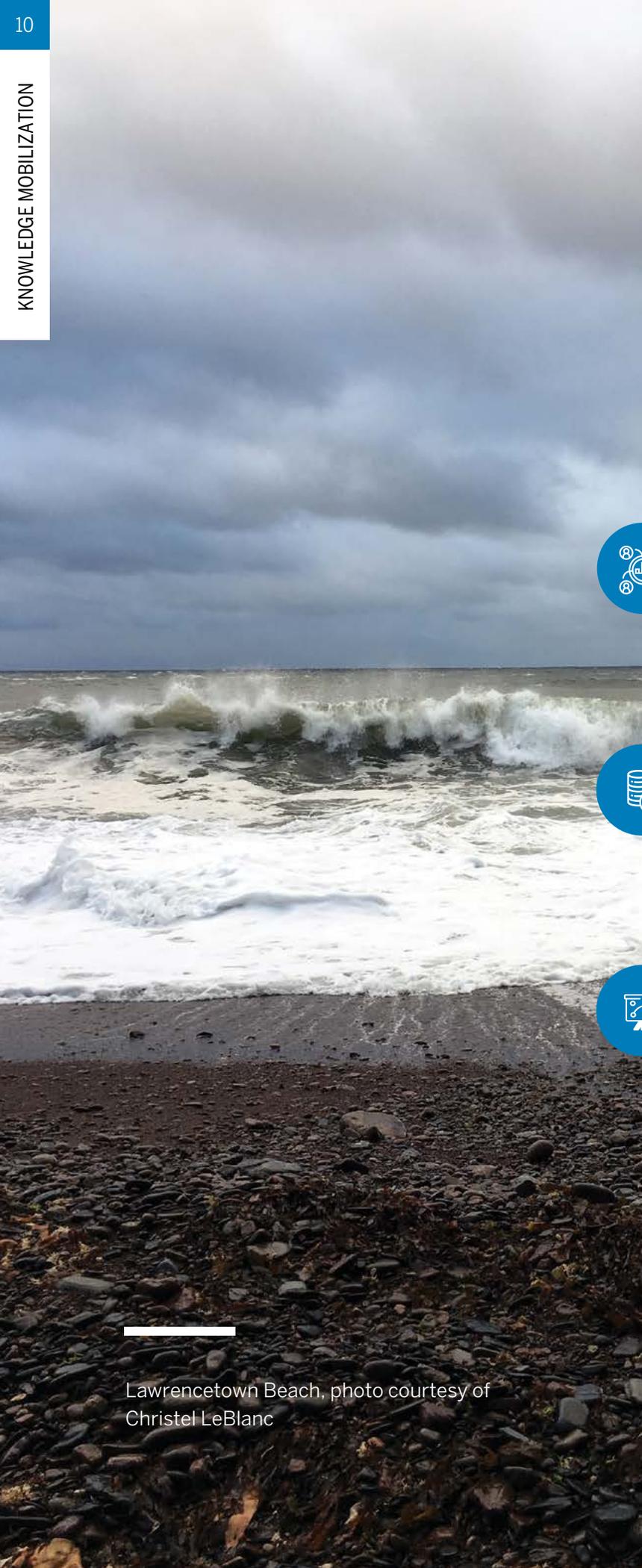
COMPREHENSIVE TRAINING PROGRAM

The training program funds opportunities for HQP to further their career development, through initiatives such as the training awards, the Annual Training Meeting and our webinar series. Training award recipients attending workshops and courses such as glider training at Woods Hole Oceanographic Institute, remote sensing training at the European Space Agency, and science communication training at Beakerhead, the Story Collider and Waterlution's Water Innovation Lab. The 2018 Annual Training Meeting took place in conjunction with the Annual Scientific Meeting in Halifax, partnering with the Canadian Meteorological and Oceanographic Society (CMOS), and gathering more than 500 participants from across Canada and internationally.

"I deeply felt the impact of working in multidisciplinary groups. I'm a firm believer now that the best solutions will only come when diverse voices collaboratively make the solution together."

MARGARET CRAMM

MEOPAR RESEARCH TECHNICIAN, ATTENDEE OF WATERLUTION'S H2O GLOBAL LEADERS TRAINING & WATER INNOVATION LAB



107

Fathom Fund backers in 2018-19



\$19,430

Crowdfunding raised



\$57,750

Fathom Funds leveraged

Lawrencetown Beach, photo courtesy of
Christel LeBlanc

HIGHLIGHTS: Knowledge Mobilization

MEOPAR has a responsibility to ensure that research results and success stories within the projects reach a broader audience. The communications and knowledge mobilization program works to disseminate information to the audiences who can put it to use, including end users, partners, decision-makers, and the public.

EXPERT FORUM

In May of 2018, MEOPAR convened an expert forum in Vancouver, British Columbia entitled “Addressing Climate Risks for Coastal Transportation Infrastructure,” which included disaster planning and building back better. The forum, held in partnership with the Institute for Catastrophic Loss Reduction (ICLR) and the Western Transportation Advisory Council (WESTAC), brought together researchers, practitioners, and decision-makers to identify gaps and improve collaboration to manage risks associated with extreme weather, natural disasters, sea level rise, and climate change.

FATHOM FUND

In December of 2018, MEOPAR launched the Fathom Fund (www.fathom.fund), a new initiative seeking innovative ways to connect researchers with communities, partners and the public. The Fathom Fund provides a mechanism to bring the public directly into the research process, and supporting valuable ideas and projects from a broad range of researchers, who might otherwise not receive funding through a traditional grant evaluation process.

“Running this campaign drove home the idea that crowdfunded research is about supporting science that makes a difference in people’s lives.”

NATHAN VADEBONCOEUR
INAUGURAL FATHOM FUND PI

The Fathom Fund’s pilot phase uses crowdfunding to identify and select projects that resonate with a community beyond academia. Projects that successfully raise 25% of costs through a public crowdfunding site (e.g. Kickstarter, Experiment.com) receive the balance of 75% from the Fathom Fund through a MEOPAR grant. Two projects successfully launched in 2018-19, with the first reaching its goal before year-end and the second shortly after the new fiscal year. The projects raised a combined \$19,430 from 107 backers, with more projects launched in the new fiscal year. The initiative has sparked attention from the private and public sector interested in the possibility of future partnerships.



127

Partners



\$10,136,193

Leveraged partnership funding in 2018-19

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Unsplash

HIGHLIGHTS: Partners & Collaborations

The Network engages with partners from every level of government and every sector, including not-for-profit, industry, and government. MEOPAR is well-positioned to act as a broker, bringing key organizations together to generate and implement solutions to address Canada's ocean challenges.

RESEARCH VESSEL TASK TEAM

One such area is the lack of research vessel capacity to meet the demand to conduct research in Canada's offshore. In order to address this challenge, MEOPAR convened an Atlantic task team and produced a report on the state of research vessel capacity in Atlantic Canada. The task team included academic, public and private sector respondents, and identified key obstacles and gaps preventing researchers from conducting experiments at sea. The release of the report in February 2019 has generated significant discussion among partners and government. MEOPAR plans to continue the momentum from the regional report through a series of activities in 2019-20, including a national task team that builds on the findings of the regional team, stronger links with the Ocean Supercluster on operationalizing recommendations of the report, and engagement with the Ocean Research in Canada Alliance.

NETWORK PARTNERSHIPS

In 2018, MEOPAR partnered with the Canadian Meteorological and Oceanographic Society to hold joint annual meetings in Halifax, Nova Scotia. The partnership brought together more than 500 attendees from government, industry and academia. MEOPAR also attended, participated in and sponsored conferences and events across the country, in marine and related fields. We work closely with ocean partners in Halifax and across Canada to identify opportunities for collaboration and leveraged funding. Ongoing projects continue to seek partnership opportunities for cash and in-kind contributions, and Cycle II research projects first funded in 2017-18 continue to receive partner funding in 2018-19 from Polar Knowledge Canada, Fisheries and Oceans Canada, Clear Seas, ONC and exactEarth.

In February 2019, MEOPAR sponsored the 2019 Atlantic Engineering Competition, an annual student-run initiative that brings together the brightest engineering students from across Atlantic Canada to compete in a series of events, centered around the theme The Future of Our Ocean. "Our organizing team would like to extend a huge thank you for your support. We could not have put on this competition without your contribution."

Network Members

ACADIA UNIVERSITY
 BROCK UNIVERSITY
 DALHOUSIE UNIVERSITY
 LAKEHEAD UNIVERSITY
 MCGILL UNIVERSITY
 MEMORIAL UNIVERSITY OF NEWFOUNDLAND
 NOVA SCOTIA COMMUNITY COLLEGE
 RYERSON UNIVERSITY
 SAINT MARY'S UNIVERSITY
 SIMON FRASER UNIVERSITY
 UNIVERSITÉ DU QUÉBEC À RIMOUSKI
 UNIVERSITÉ DU QUÉBEC À MONTRÉAL
 UNIVERSITÉ LAVAL
 UNIVERSITY OF ALBERTA
 UNIVERSITY OF BRITISH COLUMBIA
 UNIVERSITY OF CALGARY
 UNIVERSITY OF GUELPH
 UNIVERSITY OF MANITOBA
 UNIVERSITÉ DE MONCTON
 UNIVERSITY OF NEW BRUNSWICK
 UNIVERSITY OF OTTAWA
 UNIVERSITY OF SASKATCHEWAN
 UNIVERSITY OF VICTORIA
 UNIVERSITY OF WATERLOO
 UNIVERSITY OF WESTERN ONTARIO
 YORK UNIVERSITY

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 10 15 19 22 27
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 35 38 39 40 41
 42 43 46

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 24 48



Read a description of each numbered project on pages 16-19

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Projects: Active Projects in 2018-19

IRVING SHIPBUILDING PROJECTS: FINAL YEAR

- 1 Observing and responding to pressures on Arctic marine ecosystems
DR. BRENT ELSE, UNIVERSITY OF CALGARY
- 2 Safer shipping through summer sea ice: new synthetic aperture radar (SAR) based tools for monitoring and predicting sea ice conditions
DR. RANDY SCHARIEN, UNIVERSITY OF VICTORIA
- 3 Prioritizing threat management strategies to ensure long-term resilience of the Fraser River Estuary
DR. TARA MARTIN, UNIVERSITY OF BRITISH COLUMBIA; DR. JULIA BAUM, UNIVERSITY OF VICTORIA
- 4 Arctic marine activities integration and synthesis (AM AIS) project: Infusing Inuit voices into Arctic marine transportation corridors and oceans
DR. JACKIE DAWSON, UNIVERSITY OF OTTAWA
- 5 Monitoring marine plastics in Canada's North
DR. MAX LIBOIRON, MEMORIAL UNIVERSITY

BRIDGING THE GAP PROJECTS

- 6 User-driven monitoring of adverse marine and weather states, Eastern Beaufort Sea
DR. DAVID ATKINSON, UNIVERSITY OF VICTORIA
- 7 Marine acoustic disturbances: shipping and marine renewable development across Canada, mitigation, management and monitoring of associated noise
DR. ROSALINE CANESSA, UNIVERSITY OF VICTORIA
- 8 Integrated Fukushima Ocean Radionuclide Monitoring (InFORM) Network: a collaborative radiation monitoring network to determine and communicate environmental risks for Canada's Pacific and Arctic Oceans from the Fukushima-Daiichi nuclear accident
DR. JAY CULLEN, UNIVERSITY OF VICTORIA
- 9 Improving marine drift and dispersion forecasts
DR. DANY DUMONT, UNIVERSITÉ DU QUÉBEC À RIMOUSKI
- 10 Integrated Coastal Acidification Program (ICAP-2)
DR. KAREN KOHFELD, SIMON FRASER UNIVERSITY
- 11 Improved observation and prediction of sea ice hazards to assist decision-making in safe and efficient Arctic shipping and offshore operations
DR. ANDREA SCOTT, UNIVERSITY OF WATERLOO

- 12 Whales, Habitat and Listening Experiment (WHaLE)

DR. CHRIS TAGGART, DALHOUSIE UNIVERSITY

- 13 Canadian Ocean Acidification Research Project (COARP)

DR. HELMUTH THOMAS, DALHOUSIE UNIVERSITY

- 14 Observing and Responding to Pressures on Arctic Marine Ecosystem Services

DR. BRENT ELSE, UNIVERSITY OF CALGARY

YEAR OF POLAR PREDICTION

- 15 Enhancing Arctic Ocean monitoring and prediction with autonomous sensors, numerical models and social networks

DR. PHILIPPE TORTELL, UNIVERSITY OF BRITISH COLUMBIA

- 16 Forecasting Regional Arctic Sea Ice from a Month to Seasons (FRAMS)

DR. BRUNO TREMBLAY, MCGILL UNIVERSITY

- 17 Southampton Island Marine Ecosystem Project (SIMEP)

DR. C.J. MUNDY, UNIVERSITY OF MANITOBA

- 18 Improving visibility forecasting in summer time polar fog

DR. RACHEL CHANG, DALHOUSIE UNIVERSITY

- 19 Predicting the Future(s) of Renewable Energy in Canada's Arctic

DR. ADAM MONAHAN, UNIVERSITY OF VICTORIA

CORES

- 20 Observation Core

DR. BRAD DEYOUNG, MEMORIAL UNIVERSITY

- 21 Prediction Core

DR. DANY DUMONT, UNIVERSITÉ DU QUÉBEC À RIMOUSKI

- 22 Response Core

DR. STEPHANIE CHANG, UNIVERSITY OF BRITISH COLUMBIA

OPEN CALL

- 23 Whales, Habitat and Listening Experiment (WHaLE) II

DR. CHRIS TAGGART, DALHOUSIE UNIVERSITY

- 24 Baselines and biodegradation potential in Atlantic Canada's deepwater offshore oil prospects

DR. CASEY HUBERT, UNIVERSITY OF CALGARY

- 25 Coastal Flood Risk Governance in a Changing Climate

DR. DANIEL HENSTRA, UNIVERSITY OF WATERLOO

- 26 Arctic ULINNIQ: Underwater listening network for novel investigations of quakes

DR. MLADEN NEDIMOVIC, DALHOUSIE UNIVERSITY

- 27 Investigating and informing Indigenous marine monitoring and management as climate change adaptation strategies

DR. NATALIE BAN, UNIVERSITY OF VICTORIA

- 28 Comment passe-t-on à l'action avec les plans d'adaptation et de résilience? Projet de recherche en zone côtière et riveraine du Québec et de l'Ontario (2018-2021)

DR. STEVE PLANTE, UNIVERSITÉ DU QUÉBEC À RIMOUSKI

OCEAN NETWORKS CANADA

- 29 OxyNet: A network to examine ocean deoxygenation trends and impacts
DR. PHILIPPE TORTELL, UNIVERSITY OF BRITISH COLUMBIA
- 30 Model of Impact of Dilbit and Oil Spills in the Salish sea (MIDOSS)
DR. SUSAN ALLEN, UNIVERSITY OF BRITISH COLUMBIA
- 31 Spatiotemporal dynamics of the coastal ocean biogeochemical domains of British Columbia and Southeast Alaska - following the migration route of juvenile salmon
DR. MAYCIRA COSTA, UNIVERSITY OF VICTORIA

CLEAR SEAS

- 32 Mapping & Managing Shipping Risks to Protected Marine Areas in Canada's Northwest Passage: Lancaster Sound and the Franklin Wreck Sites
DR. JACKIE DAWSON, UNIVERSITY OF OTTAWA

PROVINCE OF BRITISH COLUMBIA

- 33 Shipping Resilience: Strategic Planning for Coastal Community Resilience to Marine Transportation Risk (SIREN - WP1 Marine Transportation)
DR. STEPHANIE CHANG, UNIVERSITY OF BRITISH COLUMBIA
- 34 Shipping Resilience: Strategic Planning for Coastal Community Resilience to Marine Transportation Risk (SIREN - WP2 Marine Ports)
DR. STEPHANIE CHANG, UNIVERSITY OF BRITISH COLUMBIA

EXACTEARTH

- 35 Whale watching AIS Vessel movement Evaluation
DR. ROSALINE CANESSA, UNIVERSITY OF VICTORIA

PROMPT DATA

- 36 Local, regional and provincial governance and response to extreme weather events (spring floods)—crisis and post-crisis management and resilience building—in New Brunswick
DR. OMER CHOUINARD, UNIVERSITÉ DE MONCTON

CIOOS

- 37 Developing Phase 1 of CIOOS: The Atlantic proto-Association
DR. MIKE SMIT, DALHOUSIE UNIVERSITY
- 38 Developing Phase 1 of CIOOS: The Pacific Regional Association
DR. RICHARD DEWEY, UNIVERSITY OF VICTORIA

FATHOM FUND

- 39 Stand up for a healthy coast—The Coastal Pollution Mapper
DR. NOBUHIKO TOKURIKI / DR. NATHAN VADEBONCOEUR, UNIVERSITY OF BRITISH COLUMBIA

POSTDOCTORAL FELLOWSHIPS

- 40 Improved Canadian Arctic Sea Ice Thickness Estimates from Synthetic Aperture Radar Altimetry
DR. RANDALL SCHARIEN / DR. VISHNU NANDAN, UNIVERSITY OF VICTORIA
- 41 From shelf-break to coastline: Connecting ocean upwelling to biological productivity on British Columbia's central coast
DR. STEPHANIE WATERMAN / DR. HAYLEY DOSSER, UNIVERSITY OF BRITISH COLUMBIA
- 42 Sensitivity and resilience of British Columbia's glass sponge reefs to ocean warming and acidification
DR. CHRIS HARLEY / DR. ANGELA STEVENSON, UNIVERSITY OF BRITISH COLUMBIA
- 43 From satellites to social media: Understanding and communicating the impacts of climate change in the Arctic Ocean
DR. PHILIPPE TORTELL / DR. SARAH ROSENGARD, UNIVERSITY OF BRITISH COLUMBIA
- 44 Development of a hydro-sedimentary model of the Estuary and Gulf of St. Lawrence. Application to the Atlantic Halibut spawning and nursery areas
DR. DANY DUMONT / DR. CHRISTIANE DUFRESNE, UNIVERSITÉ DU QUÉBEC À RIMOUSKI
- 45 Integrating the ocean environment into benthic habitat mapping
DR. CRAIG BROWN / DR. MYRIAM LACHARITÉ, NOVA SCOTIA COMMUNITY COLLEGE
- 46 CoastNet: Blending data sources to monitor algal blooms in British Columbia
DR. YVONNE COADY / DR. NICOLAS PRESTON, UNIVERSITY OF VICTORIA
- 47 The Pyramid of Life in a Dynamic Arctic Seascape
DR. STEVE FERGUSON / DR. DAVID YURKOWSKI, UNIVERSITY OF MANITOBA
- 48 Improving iceberg models' dynamics and prediction skills
DR. PAUL G. MYERS / DR. JULIANA MARSON, UNIVERSITY OF ALBERTA

Board of Directors, 2018-19

CHAIR: **Dr. Karen Dodds**, Retired Assistant Deputy Minister, Environment and Climate Change Canada

Dr. Alice Aiken, Vice President, Research and Innovation, Dalhousie University

Dr. Pierre Baril, administrateur d'état, Ministère de l'Environnement et de la Lutte contre les changements climatiques

Mr. Glenn Blackwood, Vice President, Memorial University (Marine Institute)

Ms. Amanda Dean, Vice President, Atlantic, Insurance Bureau of Canada

Ms. Angie Gillis, Associate Executive Director, The Confederacy of Mainland Mi'kmaq

Mr. Darrell Hasiuk, Managing Director, Ulnooweg Financial Education Centre

Dr. Ariane Plourde, Directrice, l'Institut des sciences de la mer de Rimouski (ISMER)

Mr. Dale Reding, Director General, Defence Research & Development Canada

Dr. Rachael Scarth, Associate Vice-President, University of Victoria

Mr. Scott Tessier, CEO, Canada-Newfoundland and Labrador Offshore Petroleum Board

Dr. Wendy Watson-Wright, CEO, Ocean Frontier Institute

MEOPAR: **Dr. Doug Wallace**, Scientific Director

NCE: **Dr. Stewart Fast**, Senior Program Manager, NCE

Staff

Doug Wallace, Scientific Director

Ron Pelot, Associate Scientific Director

Stefan Leslie, Executive Director

Darlene Auld, Financial Director

Laura Avery, Training Program

Heather Desserud, Communications and Strategy/Fathom Fund

Rodrigo Menafra, Programs and Partnerships

Alexa Reedman, Research Program

Financials

The following are extracts from the audited financial statements. Full audited financial statements are available at meopar.ca



Independent auditor's report

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To the Board of Directors of
MEOPAR Incorporated

Opinion

We have audited the financial statements of MEOPAR Inc. (the "Network"), which comprise the statement of financial position as at March 31, 2019 and the statements of operations, changes in net assets and cash flows for the year then ended, and notes to the financial statements, including a summary of significant accounting policies.

In our opinion, the accompanying financial statements present fairly in all material respects, the financial position of MEOPAR Inc. as at March 31, 2019, and its results of operations and its cash flows for the year then ended in accordance with Canadian accounting standards for not-for-profit organizations.

Basis for opinion

We conducted our audit in accordance with Canadian generally accepted auditing standards. Our responsibilities under those standards are further described in the *Auditor's responsibilities for the audit of the financial statements* section of our report. We are independent of the Network in accordance with the ethical requirements that are relevant to our audit of the financial statements in Canada, and we have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Responsibilities of management and those charged with governance for the financial statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with Canadian accounting standards for not-for-profit organizations, and for such internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is responsible for assessing the Network's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Network or to cease operations, or has no realistic alternative but to do so.

Those charged with governance are responsible for overseeing the Network's financial reporting process.

The following are extracts from the audited financial statements. Full audited financial statements are available at meopar.ca

Auditor's responsibilities for the audit of the financial statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with Canadian generally accepted auditing standards will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

As part of an audit in accordance with Canadian generally accepted auditing standards, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Network's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Network's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the Network to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

The logo for Grant Thornton LLP, featuring the company name in a stylized, cursive script font.

Halifax, Canada
September 13, 2019

Chartered Professional Accountants
Licensed Public Accountants

The following are extracts from the audited financial statements. Full audited financial statements are available at meopar.ca

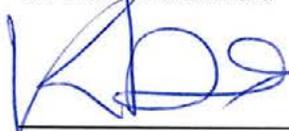
MEOPAR Incorporated		
Statements of operations and changes in net assets		
Year ended March 31	2019	2018
Revenue		
Government assistance – NSERC and SSHRC	\$ 5,775,151	\$ 4,979,221
Partnership	878,547	796,350
Other	34,464	12,298
	<u>6,688,162</u>	<u>5,787,869</u>
Grants		
Research	3,291,378	3,109,630
Partnership	1,266,961	1,206,583
Joint research and development	601,748	-
	<u>5,160,087</u>	<u>4,316,213</u>
Excess revenue over grants	<u>1,528,075</u>	<u>1,471,656</u>
Expenses		
Program Expenses		
Communications and networking	228,197	63,340
Knowledge mobilization	118,780	35,488
Research programs	90,771	442,237
Training programs	333,383	94,181
	<u>771,131</u>	<u>635,246</u>
Administrative		
Operations and management	179,543	225,459
Salaries	546,408	617,057
	<u>725,951</u>	<u>842,516</u>
	<u>1,497,082</u>	<u>1,477,762</u>
Excess (deficiency) of revenue over expenses	<u>\$ 30,993</u>	<u>\$ (6,106)</u>
Net assets, beginning of year	\$ 42,098	\$ 48,204
Excess (deficiency) of revenue over expenses	<u>30,993</u>	<u>(6,106)</u>
Net assets, end of year	<u>\$ 73,091</u>	<u>\$ 42,098</u>

The following are extracts from the audited financial statements. Full audited financial statements are available at meopar.ca

MEOPAR Incorporated		
Statement of financial position		
March 31	2019	2018
Assets		
Current		
Cash and cash equivalents	\$ 928,601	\$ 1,295,947
Receivables	61,394	43,237
Funds held in trust by Dalhousie University (Note 5)	2,528,250	4,637,953
HST receivable	12,578	3,772
Prepaid expenses	6,895	-
	<u>\$ 3,537,718</u>	<u>\$ 5,980,909</u>
Liabilities		
Current		
Payables and accruals	\$ 30,615	\$ 34,600
Deferred revenue (Note 3)	3,434,012	5,904,211
	<u>3,464,627</u>	<u>5,938,811</u>
Net assets		
Unrestricted net assets	<u>73,091</u>	<u>42,098</u>
	<u>\$ 3,537,718</u>	<u>\$ 5,980,909</u>

Commitments (Note 4)

On behalf of the Board



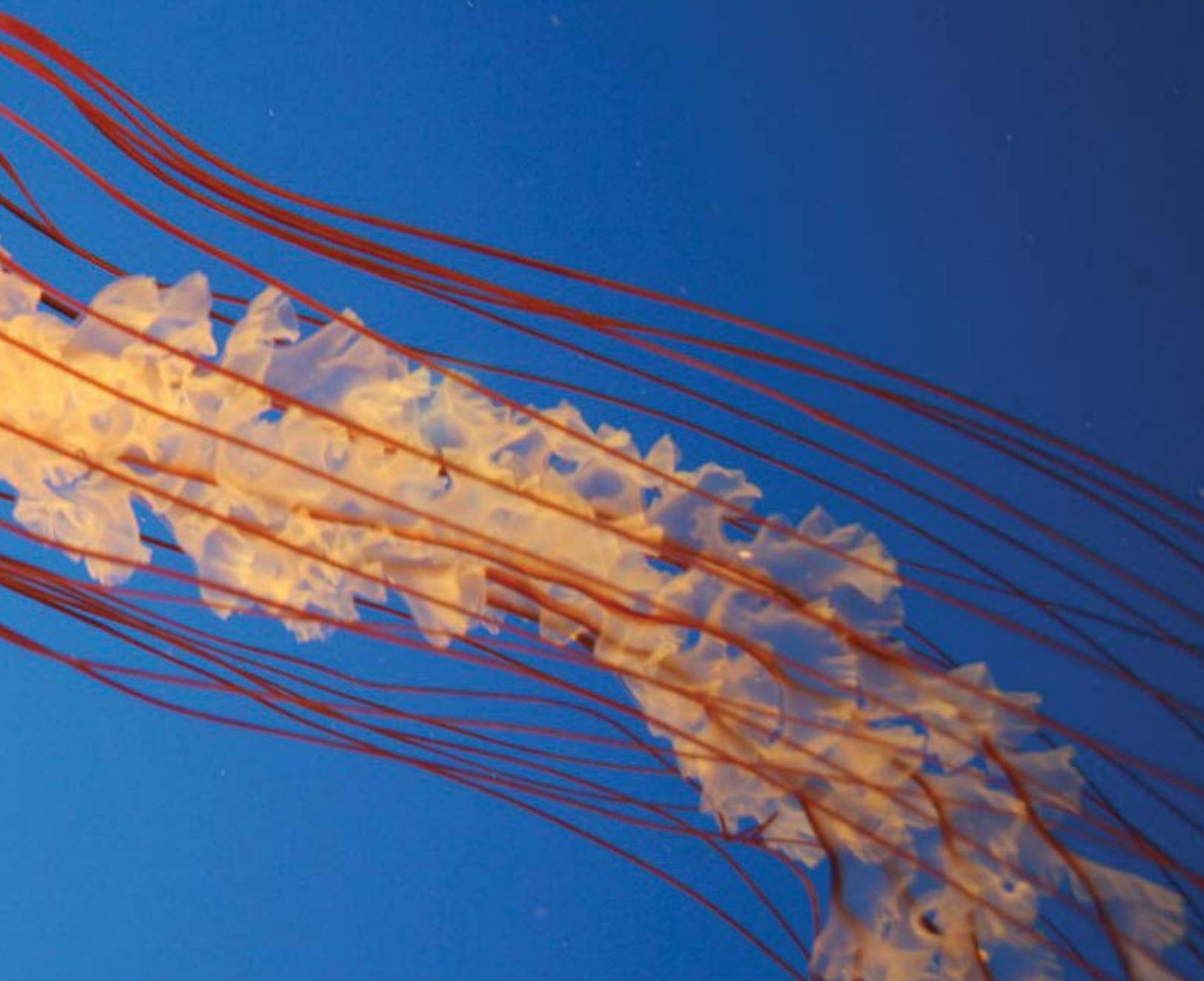
Director

The following are extracts from the audited financial statements. Full audited financial statements are available at meopar.ca

MEOPAR Incorporated

Statement of cash flows

March 31	2019	2018
Increase in cash and cash equivalents		
Operating		
Excess (deficiency) of revenue over expenses	\$ 30,993	\$ (6,106)
Change in non-cash operating working capital		
Receivables	(18,157)	245,304
Funds held in trust by Dalhousie University	2,109,703	(4,224,676)
HST receivable	(8,806)	48,521
Prepaid expenses	(6,895)	-
Payables and accruals	(3,985)	(49,467)
Deferred revenue	<u>(2,470,199)</u>	<u>5,178,963</u>
Net (decrease) increase in cash and cash equivalents	(367,346)	1,192,539
Cash and cash equivalents		
Beginning of year	<u>1,295,947</u>	<u>103,408</u>
End of year	<u>\$ 928,601</u>	<u>\$ 1,295,947</u>



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