




Science
Atlantic

Science
Atlantique

2015-17

Biennial Report





Science Atlantic is a charitable association of 17 post-secondary and research institutes in Atlantic Canada with a mandate to advance science education and research at the undergraduate level.

The mission of Science Atlantic is to advance post-secondary science education and research in Atlantic Canada by:

- Providing opportunities that foster and enrich students
- Supporting and inspiring researchers and educators
- Using our collective voice to address important regional science issues

Table of Contents

- 1 Introduction
- 2 Conference Highlights
- 3 Awards
- 4 Student Conference Award Winners
- 6 Speaker Tours
- 7 Student Contribution
- 8 Hall of Fame
- 9 Service Pin receipts
- 10 Board Members
- 11 AFRED
- 12 Financial Highlights
- 14 Why Contribute?
- 15 Thank you, Sponsors!



I am excited to share our 2015-17 Biennial Report with you!

This has been a period of great change, starting with adopting a new governance structure and striking our first Board in 2015. Also in 2015, we began awarding five-year service pins to recognize the dedication of our many members. A list of recipients to date is included later in this report, but is by no means exhaustive. If you are or know a former member who should receive a pin, please let us know.

We've made great strides on our newest project, the Atlantic Facilities and Research Equipment Database (AFRED), culminating in its public launch in March 2017. From 2015 to 2017, Patty King, AFRED Program Manager, travelled the region promoting this tool for sharing research infrastructure. In addition to the AFRED summary on page 11, you'll see this project reflected in our financials, which show a 100% increase in just four years.

As well, the organization is growing! In 2016 we welcomed the new Nutrition Committee to our roster (first conference in 2018), we partnered with WISEatlantic to have our first Women in Science Speaker Tour, and two of our student employees took on full-time positions after graduating thanks to financial support for AFRED from ACOA, NSERC, Springboard Atlantic, and others.

Co-op and summer students remain key contributors to our operations; over the last two years, ten student employees have been hard at work making improvements to conference planning resources for volunteers, developing marketing materials and database structure for AFRED, enhancing our communication and outreach efforts, and more.

Of course, we have continued our core programs of academic student conferences, student research and communication awards, and speaker tours. Over 1,700 students and faculty in Atlantic Canada participated in these activities over the past two years. Highlights are also included in this report.

I'd like to thank our many partners and sponsors, as well as the faculty members and students who volunteer your time and skills. Your continuing contributions make our projects and activities possible.

A handwritten signature in cursive script that reads "Lois Whitehead". The signature is written in dark ink on a white background.

Lois Whitehead
Executive Director



Conferences

Science Atlantic hosts a number of annual disciplinary and interdisciplinary academic student conferences, coordinated by volunteer teams of professors and students. While all conferences have in common the opportunity for students to present their research, many conferences also have unique aspects, including field trips, industry events, and competitions.

Conference Attendance

858
2015-16

868
2016-17

88
Award Winners

88
Award Winners

Our Annual Conferences

ChemCon MSCS Environment
AUPAC AFB Psychology
AUGC

- Science Atlantic Aquaculture & Fisheries and Biology Conference (AFB)
- Atlantic Universities Geoscience Conference (AUGC)
- Science Atlantic - CIC Chemistry Conference (ChemCon)
- Science Atlantic Environment Conference
- Atlantic Universities Mathematics, Statistics and Computer Science Conference (MSCS)
- Atlantic Universities Physics & Astronomy Conference (AUPAC)
- Science Atlantic Psychology Conference



Awards

Awards are given at each student conference to recognize exceptional research and science communication skills. Additionally, a number of awards specific to each discipline are sponsored by industry as well as various academic and research societies.

Student Highlight



Sara Klapstein conducting research at the Centre for Analytical Research on the Environment

At the 2016 Environment Conference, Sara Klapstein, a graduate student from Memorial University, was awarded the Science Atlantic Science Communication Award sponsored by Canadian Science Publishing, for her outstanding oral presentation, *“Dissolved organic matter controls mercury photoreactions in fresh water lakes.”*

As part of the award, Sara also had the opportunity to write a blog post on the Science Borealis website about her research on mercury. The blog post can be found at www.sciatl.org/SaraKlapstein.

Sara has been to six Science Atlantic conferences and speaks fondly of her experiences over the years. “These conferences are a wonderful opportunity to not only share research but also meet and form connections with other students and faculty in Atlantic Canada.

“Most of the universities are small and that is a strength of this conference, particularly the Environment Conference. These conferences provide the opportunity to present your own research in a high-achieving but friendly environment. Science Atlantic is always really fun and engaging. I know a lot of the professors from the various universities because Science Atlantic brings the universities together instead of dividing them.”



“AUGC was certainly a wonderful experience that left me with many great memories, I am so happy to have taken part.
 – Katie McCulloch, Acadia University”

2015-16 Student Conference Award Winners

Undergraduate Research Award

T-Jay Anderson (MSVU), Psychology
Sonya Ardley (Acadia), Environment
Alyssa BeLong (MtA), Biology
Emily Bond (DAL), Biology
Taylor Brown (Acadia), Biology
Andrew Cameron (UPEI), Chemistry
Yong Hong Chen (Acadia), Computer Science
Natasha Collins (MUN), Biology
Kody Crowell (Acadia), Mathematics & Statistics
Jacob Hambrook (UNB-F), Biology
Sarah Hirtle (UNB-F), Aquaculture & Fisheries
Thomas Huynh (DAL), Biology
Sota Ichiba (Acadia), Mathematics & Statistics
Stefan Juckes (DAL), Physics & Astronomy
Faith Lee (MUN), Mathematics & Statistics
Yinduo Ma (StFX), Mathematics & Statistics
Katie McCulloch (Acadia), Earth Science
Federico Mora (MtA), Computer Science
Alexandre Pepin (UdeM), Mathematics & Statistics
Tanya Prystay (DAL), Aquaculture & Fisheries
Nicole Ralph (MUN), Psychology
Matthew Robertson (DAL), Aquaculture & Fisheries
Rachel Shin (DAL), Environment
Samantha Stachiw (StFX), Environment
Hayley Tomkins (DAL), Mathematics & Statistics
Andrew Way (MUN), Physics & Astronomy
James Williams (StFX), Environment
Jason Wuertz (UPEI), Computer Science

Science Communication Award, sponsored by Canadian Science Publishing

Ashley Fletcher (SMU), Biology
Deanna Kerry (UPEI), Physics & Astronomy
William Kidney (MSVU), Mathematics & Statistics
Sara Klapstein (MUN), Environment
Terri Lovell (MUN), Chemistry
Jennifer Poirier (StFX), Biology
Tyler Pritchard (Grenfell), Psychology
Christopher Small (UNB-F), Aquaculture & Fisheries
Hayley Tomkins (DAL), Mathematics & Statistics
Mark Vickers (CBU), Psychology

Graduate Research Award

Allison Dickhout (UNB-F), Environment
Aaron Frenette (UNB-F), Aquaculture & Fisheries
Kieran Murphy (StFX), Aquaculture & Fisheries
Jennifer Murphy (MUN), Chemistry
Christopher Small (UNB-F), Aquaculture & Fisheries
Graeme Soper (SMU), Chemistry
Emily Walker (SMU), Environment

ACEmat Award, sponsored by ACENET

Ernest Awoonor-Williams (MUN), Chemistry
Siobhan Morris (StFX), Physics & Astronomy
Alexandre Pepin (UdeM), Mathematics & Statistics

Atlantic Geoscience Society Environmental Geoscience Award

Kazuhito Mizutani (MUN), Earth Science

Canadian Botanical Association Award

Emily Corkum (DAL), Biology

Chemical Institute of Canada Undergraduate Awards

Leah Bennett (Acadia), Inorganic
Jonathan Cann (UNB-F), Organic
Bright Huo (SMU), Materials
Ceilidh MacDonald (CBU), Analytical
Ifenna Mbaezue (SMU), Organic
Julia McCain (Acadia), Biological/Medicinal
Zoe Paula (SMU), Physical/Theoretical/Computational
Mitch Pinto (Acadia), Physical/Theoretical/Computational
Jessica Reiniger (MtA), Biological/Medicinal
Doug Richards (CBU), Inorganic
Matthew Tobin (CBU), Materials
Jacquelyn White (SMU), Analytical

Canadian Society of Petroleum Geologists Award

Daniel MacLeod (StFX), Earth Science

E. Gordon Young Award

Jordan Donahue (UNB-F), Chemistry

Frank Shea Memorial Award

Corwin Trottier (SMU), Earth Science

Imperial Oil Best Poster Award

Glen Hodge (SMU), Earth Science

Karen Nicholson Award in Neuropsychology

Jasmyn Cunningham (DAL), Psychology

K.C. Irving Environmental Science Centre Award

Amanda Ring (DAL), Environment

Murray Brooker Award

Ricarda Konder (UNB-F), Chemistry

Computer Science Programming Competition

First: W. Fiset, F. Lidbetter, M. Stairs (MtA)
Second: R. Beaulieu, J. Harris, V. Marica (UNB-F)
Third: M. Farrell, S. Mohammed, D. Zorychta (DAL)

Mathematics Problem Solving Competition

First: Noah MacAulay, Michael Sullivan (MUN)
Second: Brandon Doherty, Jack O'Connor (UNB-F)
Third: Shael Brown, Jingwei Li (DAL)

2016-17 Student Conference Award Winners

Undergraduate Research Award

T-Jay Anderson (MSVU), Psychology
Karen Buckle (STU), Psychology
Kaitlin Burek (Acadia), Biology
Emily Evans (Acadia), Biology
Lisa Fang (MUN), Psychology
Yayra Gbotsyo (SMU), Biology
Bradley Greene (SMU), Chemistry
Jennifer Hunter (UNB-F), Psychology
Isabelle Jubinville (DAL), Biology
Kira More (DAL), Biology
Rowan Murphy (StFX), Biology
Sean Murphy (MUN), Geoscience
Elizabeth Nagel (DAL), Aquaculture & Fisheries
Adam Palayew (MtA), Biology
Krista Ransier (DAL), Aquaculture & Fisheries
Alyse Reimer (UNB-F), Environment
Yvonne Ritchie (DAL), Environment
Heather Spicer (Grenfell), Environment
Bella Stein (MtA), Aquaculture & Fisheries
Kimberley Taylor (StFX), Environment

Science Communication Award, sponsored by Canadian Science Publishing

Kyle Awalt (SMU), Chemistry
Emily Bennet (CBU), Environment
Melanie Campbell (CBU), Biology
Nicole Daigle (UNB), Aquaculture & Fisheries
Dominic Guitard (UdeM), Psychology
Laura Prichard (STU), Psychology
Justine Trask (CBU), Biology

Graduate Research Award

Brittany Dixon (UNB-F), Environment
Christine Gilroy (MtA), Aquaculture & Fisheries
Chris Lavoie (DAL), Chemistry
Tyler Lynn (UNB), Aquaculture & Fisheries
Dylan Michaud (UPEI), Aquaculture & Fisheries
Zoe O'Malley (UNB-F), Environment
Bethany Reinhart (UNB-SJ), Environment
Alex Veinot (SMU), Chemistry
Bernhard Wegscheider (UNB-F), Environment

ACEmat Award, sponsored by ACENET

Ifenna Mbaezue (SMU), Chemistry

Atlantic Geoscience Society Environmental Geoscience Award

Fiona Henderson (DAL), Geoscience

Canadian Botanical Association Award

Emily Evans (Acadia), Biology
Adam Palayew (MtA), Biology

Canadian Association of Theoretical Chemists Award

Mitchell Pinto (Acadia), Chemistry
Archita Adluri (MUN), Chemistry

Chemical Institute of Canada Undergraduate Awards

Adrienne Allison (DAL), Materials
Kori Andrea (CBU), Materials
Ryan Greenham (Acadia), Analytical
Mason Lawrence (MUN), Inorganic
Presley MacMillan (SMU), Analytical
Julia McCain (Acadia), Biological/Medicinal
Blake Power (MUN), Biological/Medicinal
Chandika Devi Ramful (SMU), Organic
Angela Todd (SMU), Inorganic
Rachael Weagle (Acadia), Organic

Canadian Society of Exploration Geophysicists Award

Nickolas Lynch (MUN), Geoscience

Canadian Society of Petroleum Geologists Award

Erin Anderson (DAL), Geoscience

Frank Shea Memorial Award

Taylor Chew (Acadia), Geoscience

Imperial Oil Best Poster Award

Christopher Williams (MUN), Geoscience

Karen Nicholson Award in Neuropsychology

Yasmin Beydoun (DAL), Psychology

K.C. Irving Environmental Science Centre Award

Jasmine Pinksen (Grenfell), Environment

Murray Brooker Award

Melanie Davidson (SMU), Chemistry

Computer Science Programming Competition

First: V. Marica, L. Pond, C. Reath (UNB-F)
Second: W. Fiset, T. Lidbetter, M. Stairs (MtA)
Third: S. Doiron, O. Monsen, M. Zinck (DAL)

Mathematics Problem Solving Competition

First: Leah Genge, Noah MacAulay (MUN)
Second: Jordan Barrett, Shael Brown (DAL)
Third: Anton Afanassiev, Kaveh Mozafari (MUN)



Speaker Tours

Several committees partner with other organizations to host speaker tours of notable scientists. Each speaker visits a minimum of three different post-secondary institutions in Atlantic Canada, and lectures are free and open to all interested. The 2015-16 and 2016-17 speaker tours featured talks on:

Chemistry (co-sponsored with the Chemical Institute of Canada):

- *Exploiting the Photocatalytic Activity of Nanoparticle-Niobium Oxide Perovskite Hybrids in Light-Mediated Catalysis*, Dr. Geniece Hallett-Tapley (StFX)
- *Computational Chemistry for Synthetic Chemists*, Dr. Kai E. O. Ylijoki (SMU)

Geology (co-sponsored with the Atlantic Geoscience Society):

- *Does Buried Sedimentary Organic Matter Contain a Deep Biosphere Fingerprint?*, Todd Ventura (SMU)
- *What do we really know? Uncertainty in reservoir monitoring*, Dr. Alison Malcolm (MUN)
- *Alteration of Uranium Deposits in Atlantic Canada*, Erin Adlakha (uOttawa)

Physics and Astronomy (co-sponsored with the Canadian Association of Physicists):

- *Real Life on Fake Mars*, Dr. Ross Lockwood (U of A)
- *Cosmology, Cell Phones & Video Games: The Canadian Hydrogen Intensity Mapping Experiment*, Keith Vanderlinde (U of T)
- *The Nature of the Higgs Boson*, Daniel Stolarski (Carleton)
- *Colliding black holes and gravitational waves: Studying the universe through fantastic messengers*, Dr. Harald Pfeiffer (U of T)
- *The Biggest Blowhards: Windy Supermassive Black Holes*, Dr. Sarah Gallagher (Western)
- *Searching for Physics Beyond the Standard Model at SNOLAB*, Dr. Mark Boulay (Carleton)

Women in Science (co-sponsored with WISEatlantic):

- *Neural Control of Appetite: the Role of Endogenous Cannabinoids and Nitric Oxide*, Karen Crosby (MtA)
- *Asteroseismology: Dissecting the Stars*, Catherine Lovekin (MtA)



Student Contributions

From student conference attendees to co-op student employees, students and their contributions are significant to the success of Science Atlantic. Each year, student volunteers generously dedicate their time to organize our conferences, and our student employees take on important projects while also gaining valuable skills and experience.

During this period, two former co-op students became full-time staff members. Upon graduation Jasmine Golf (Dal) was hired in June 2015 to oversee marketing efforts for Science Atlantic and AFRED and Prasad Rajandran (Acadia), continued part-time as the AFRED software developer moving to full-time in May 2016. Emily Cross (Dal) completed her second term at Science Atlantic and continued to work part-time on our conference registration system, Conference-in-a-Box (CIAB) as well as other conference support activities.

Co-op students Leanna Bush (Dal), Erica Byenkya (SMU), Megan Ferris (Dal), and Andrew Sneddon (Dal), and student employees James Curtis (Dal), Lindsay Vandewater (SMU), and Sabina Wex (King’s) also worked at various stages during this time. They completed a range of tasks and projects including marketing support and creating our student engagement strategy; Open Conference System (OCS) development; communications and marketing including the student yearbook and CIAB planning guides, as well as AFRED support, data collection and member support.



Leanna Bush
Marketing and
Communications Assistant



Erica Byenkya
Marketing and
Communications Assistant



Emily Cross
Jr. Software Developer



James Curtis
OCS Administrator



Megan Ferris
Marketing and
Communications Assistant



Jasmine Golf
Marketing Coordinator



Prasad Rajandran
Software Developer



Andrew Sneddon
Marketing and
Communications Assistant



Lindsay Vandewater
Events Marketing Assistant



Sabina Wex
AFRED Assistant

Hall of Fame

The Hall of Fame was created in 2012, in honour of Science Atlantic's 50th anniversary, to recognize current and former members who have shown exemplary service to the organization, as well as alumni who can trace the start of their careers to an influential experience as a student at a Science Atlantic or APICS event. The categories for recognition are Outstanding Member, Outstanding Contributing Member, and Outstanding Alumna/Alumnus.

In 2015, Holly Baker, a former undergraduate student at Memorial University, was inducted into the Science Atlantic Alumni Hall of Fame. As well, in 2015 and 2016, five faculty members were inducted into the Science Atlantic Member Hall of Fame: Dr. Allen J. Britten, Dr. Robert Dawson, Milton Graves, Dr. Robert Raeside, and Dr. David Richardson.

We are pleased to recognize Ms. Baker as an exceptional science communicator and our Member Hall of Fame inductees for their many years of dedicated service to Science Atlantic and the scientific community. Full biographies can be found at: <http://sciatl.org/SA-HoF>.



Holly Baker, MUN
Outstanding Alumna,
2015



Dr. Allen J. Britten, CBU
Outstanding Contributing
Member, 2015



Dr. Robert J. MacG. Dawson, SMU
Outstanding Member, 2016



Milton Graves, Dal
Outstanding Contributing
Member, 2016



Dr. Robert Raeside, Acadia
Outstanding Member, 2016



Dr. David Richardson, SMU
Outstanding Contributing
Member, 2015

“I think the pin is a great idea and am proud to have one. Thank you very much for going to the trouble of mailing me mine. My Hall of Fame plaque (which is really magnificent) sits on a coffee table in my living room and brings many happy memories.

– Dr. Edgar G. Goodaire, Professor Emeritus, Memorial University

Puzzles, like science, are about discovery, problem solving, and making connections. Science Atlantic encourages these values in all its activities.

The Science Atlantic puzzle piece is a symbol of how each unique part of Science Atlantic (students, faculty, researchers, institutions, the many science disciplines, and others) works together to achieve our mission of connecting science education and research.



Service Pin Recipients

Carl Adams (StFX)	Merrill Edwards (UNB-F)	Francis LeBlanc (UdeM)	Rob Raeside (Acadia)
Aleksandrs Aleksejevs (Grenfell)	Bobby Ellis (Acadia)	Roger Lee (MUN)	Daniel Rainham (Dal)
Jalal Almhana (UdeM)	Marcia English (StFX)	Geoffrey Lee-Dadswell (Grenfell)	John Read (Acadia)
Erin Austen (StFX)	Mark Fast (UPEI)	David Lentz (UNB-F)	Barbara Rao (MSVU)
Trevor Avery (Acadia)	Anton Feicht (UNB-SJ)	Norma Linney (SMU)	David Richardson (SMU)
Colleen Barber (SMU)	Kim Fenwick (STU)	Matt Litvak (MtA)	Laurie Ricker (MtA)
Magi Beaton (MtA)	Stephen Finbow (StFX)	Bruce MacDonald (UNB-SJ)	Matt Rise (MUN)
Tillmann Benfey (UNB-F)	Chris Flinn (MUN)	Gordon MacDonald (UPEI)	David Risk (StFX)
Craig Bennett (Acadia)	Marguerite Flinn (MSVU)	Peter MacIntyre (CBU)	Scott Rodney (CBU)
Angela Birt (MSVU)	Andy Foster (MUN)	Ron MacKay (MSVU)	Neil Ross (NRC)
Matthias Bierenstiel (CBU)	Tim Frasier (SMU)	Cyrus MacLatchy (Acadia)	Vasantha Rupasinghe (Dal)
Graham Bodwell (Grenfell)	Tamara Franz-Odendaal (MSVU)	Brian MacLean (StFX)	Pat Ryall (Dal)
Andrew Boghen (UdeM)	Robert Gallant (Grenfell)	Debbie MacLellan (UPEI)	Mel Schriver (Crandall)
Ilya Blum (MSVU)	David Garbary (StFX)	Colleen MacQuarrie (SMU)	Kevin Shaughnessy (MSVU)
Jacqueline Blundell (MUN)	Grant Gardner (MUN)	Stephanie MacQuarrie (CBU)	Cliff Shaw (UNB-F)
David Bourgeois (SMU)	Edgar Goodaire (MUN)	Dave MaGee (UNB-F)	Ruth Shaw (UNB-SJ)
Russell Boyd (Dal)	Andrew Grant (MtA)	Sheilagh Martin (MSVU)	Kathy Singfield (SMU)
Susan Boyd (MSVU)	Milton Graves (Dal)	Igor Mastikhin (UNB-F)	Fred Smith (MUN)
Allen Britten (CBU)	David Gray (Dal-Ag)	David McCorquodale (CBU)	Steve Smith (SMU)
John Burka (UPEI)	Alain Haché (UdeM)	Rick Mehta (Acadia)	Ian Spooner (Acadia)
Michael Burt (UNB)	Mohammad Hamdan (UNB-SJ)	Margaret-Ellen Messinger (MTA)	Jennifer Stamp (Dal)
Jim Cameron (StFX)	Lisa Dawn Hamilton (MtA)	Chris Moore (Dal)	Michael Steinitz (StFX)
Christine Campbell (Grenfell)	Jacob Hanley (SMU)	Barry Monson (UNB-F)	Aimee Surprenant (MUN)
Cezar Câmpeanu (UPEI)	Petra Hauf (StFX)	Paul Muir (SMU)	Ray Syvitski (NRC)
Scott Chapman (Dal)	Zoe Hayes (StFX)	Brendan Murphy (StFX)	Michael Tanchak (CBU)
Tony Charles (SMU)	Christophe Herbinger (Dal)	Nelson O'Driscoll (Acadia)	Brook Taylor (MSVU)
George Chen (CBU)	Ian Hill (Dal)	Jon Ohlhauser (Crandall)	David Tindall (Dal)
Alyre Chiasson (UdeM)	Bob Hooper (MUN)	Jeff Ollerhead (MtA)	Robert Thacker (SMU)
Thierry Chopin (UNB-SJ)	Jeff Hooper (Acadia)	Sheldon Opps (UPEI)	Donna Thompson (MSVU)
David Clarke (SMU)	David Hornidge (MtA)	Gene Ouellette (MtA)	Martin van Bommel (StFX)
Jason Clyburne (SMU)	Heather Hunt (UNB-SJ)	Cheryl Patten (UNB-F)	John van der Meer (NRC)
Amanda Cockshutt (MtA)	Michelle Jetha (CBU)	Carolyn Peach Brown (UPEI)	Yevgeniy Vasilyev (Grenfell)
Nicole Conrad (SMU)	Merzik Kamel (UNB-SJ)	Jason Pearson (UPEI)	Grant Wach (Dal)
Pierre Cormier (UdeM)	Dale Keefe (CBU)	Michele Piercey-Normore (Grenfell)	Francis Weil (UdeM)
Cyr Couturier (MUN-MI)	Jim Kemp (UPEI)	Tara Perrot (Dal)	Jim Williams (StFX)
Doug Dahn (UPEI)	Ken Kent (UNB-F)	Alain Patoine (UdeM)	Peter Williams (Acadia)
Kathy Darvesh (MSVU)	Vlado Keselj (Dal)	Kris Poduska (MUN)	Joseph Wroblewski (MUN)
Robert Dawson (SMU)	Dieter Klapstein (StFX)	Ian Pottie (MSVU)	Russell Wyeth (StFX)
Keith De'Bell (UNB-SJ/StFX)	Mikhail Kotchetov (MUN)	Carmen Poulin (UNB-F)	Li-Hong Xu (UNB-SJ)
Paul Deguire (UdeM)	Christian Lacroix (UPEI)	Suzanne Prior (STU)	Zhan Yang (Crandall)
Jean Desforges (UdeM)	Raj Lada (Dal-Ag)	Dorette Pronk (Dal)	Haiyi Zhang (Acadia)
Gordon Deveau (NSERC-Atlantic)	Van Lantz (UNB-F)		Peng Zhang (Dal)
Jim Diamond (Acadia)	Bryan Latta (Acadia)		
Jim Duston (Dal-Ag)	Van Lantz (UNB-F)		



On April 25, 2015, Science Atlantic Council members approved a motion to empower an interim Board of Directors, and the first Annual Members Meeting of Science Atlantic as a federally incorporated not-for-profit was held in November that same year.

Board Members

Chair: David McCorquodale, Dean of Science and Technology, Cape Breton University (April 2015 -)

Past Chair (of Science Atlantic Council): Rob Raeside, Professor of Earth and Environmental Science, Acadia University (April 2015 - Nov 2016)

Chair Elect: Christian Lacroix, Professor of Biology, University of Prince Edward Island (Nov 2016 -)

Treasurer: Steve Smith, Dean of Science, Saint Mary's University (April 2015 - Nov 2016)

Treasurer: Chris Moore, Dean of Science, Dalhousie University (Nov 2016 -)

Directors (Institutional Representatives):

David MaGee, Dean of Science, University of New Brunswick, Fredericton (April 2015 -)

Ruth Shaw, Dean of Science, Applied Science, & Engineering, University of New Brunswick, Saint John (April 2015 - Nov 2016)

Petra Hauf, Dean of Science, St. Francis Xavier University (Nov 2015 -)

Andy Foster, Associate Dean of Science, Memorial University (Nov 2016 -)

Directors (Committee Chairs):

Ken Kent, Computer Science Committee Chair, University of New Brunswick, Fredericton (April 2015 -)

Gordon MacDonald, Mathematics & Statistics Committee Chair, University of Prince Edward Island (April 2015 - Nov 2015)

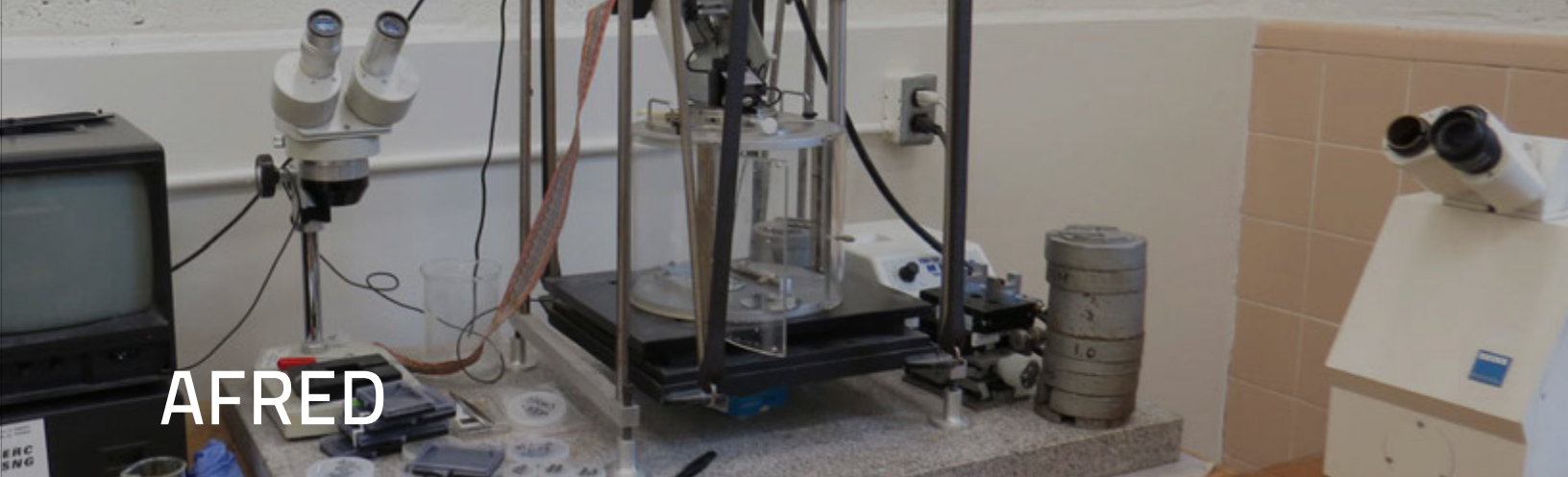
David Hornidge, Physics & Astronomy Committee Chair, Mount Allison University (Nov 2015 -)

Directors (Other Members of the Community):

Tamara Franz-Odendaal, NSERC Chair for Women in Science and Engineering (Atlantic), Mount Saint Vincent University (April 2015 -)

Rick Mehta, Associate Professor of Psychology, Acadia University (April 2015 - Nov 2015)

Brent Myron, Manager of the CREAT Network, Memorial University (Nov 2015 -)



AFRED

Atlantic Facilities and Research Equipment Database (AFRED)

The Atlantic Facilities and Research Equipment Database is an online, open access, searchable database designed to increase the use of specialized research infrastructure in our region. The goal of AFRED is to make connections between potential users and the experts and facilities that host the equipment. These connections help to create relationships between industry, government, health organizations, and researchers in both the private and public sector.

Thanks to funding from ACOA as well as continued support from NSERC Atlantic, Springboard Atlantic, BioNB, NBIF and others, 2015-2017 saw the growth of AFRED from prototype to publicly launched developed product.

In 2015-16, our objectives were to redesign the database to provide a better user experience and to develop an engagement strategy to connect with potential users. During the two-year project, Program Manager Patty King travelled throughout Atlantic Canada to meet with potential users and demonstrate AFRED's capabilities. Patty's efforts helped the database exceed the expectations of both Science Atlantic and its supporters. By the official launch on March 8, 2017, AFRED listed 383 pieces of equipment from 88 facilities across the region.

The next phase of the project, 2017-2019, broadens our engagement to include colleges, medical facilities, government, and the private sector. Additionally, enhancements to the software will include reporting functionality and use analytics as well as making AFRED more flexible to anticipate a variety of future uses. The third deliverable of the phase is to develop a business plan that will ensure AFRED is financially self-sustaining after March 2019.

The purpose of AFRED remains the same: to make connections, strengthen research, and facilitate economic growth in the Atlantic region.



***Connecting people with research equipment
and facilities in Atlantic Canada***



Financial Highlights

Assets	2017	2016
Cash and cash equivalents	\$ 76,536	\$ -
Investments	120,004	185,617
Receivables	50,879	18,518
Prepays	<u>1,112</u>	<u>1,163</u>
	<u>\$ 248,531</u>	<u>\$ 205,298</u>
Liabilities		
Bank indebtedness	\$ -	\$ 5,041
Payables and accruals	76,522	63,365
Committee funds	59,387	35,622
Deferred revenue	<u>8,494</u>	<u>2,238</u>
	<u>144,403</u>	<u>106,366</u>
Net Assets		
Unrestricted net assets	102,289	97,093
Restricted for W. J. Blundon		
Lecture Fund	<u>1,839</u>	<u>1,839</u>
	<u>104,128</u>	<u>98,932</u>
	<u>\$ 248,531</u>	<u>\$ 205,298</u>

Detailed financials can be found at www.sciatl.org/Financials-2016 and www.sciatl.org/Financials-2017.

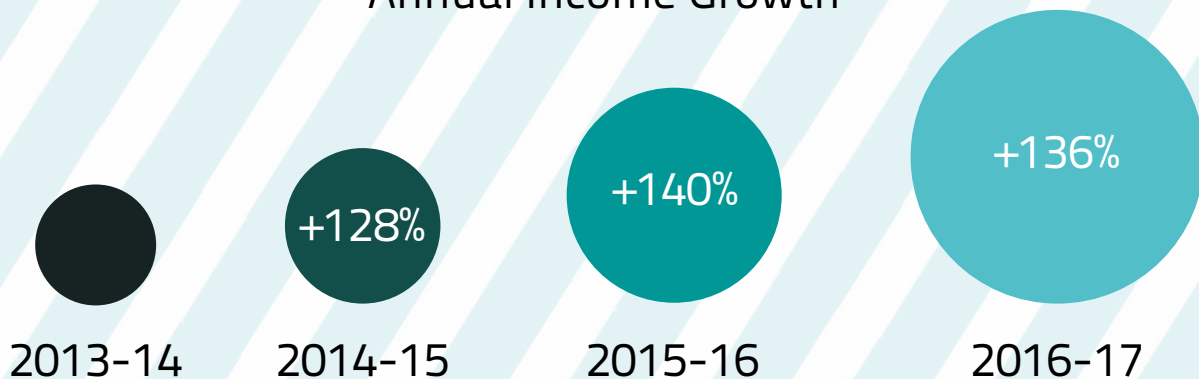


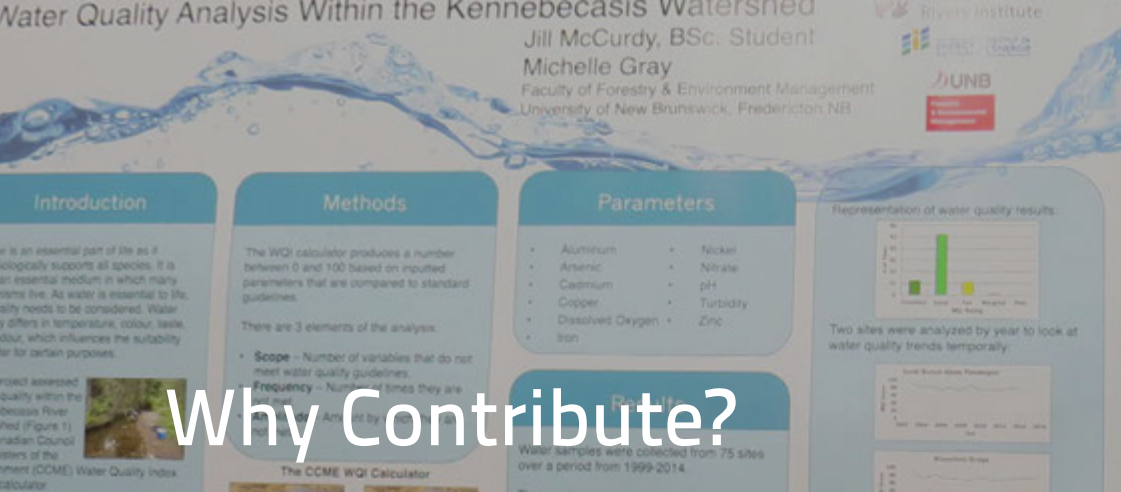
Financial Highlights Continued

Income	2017	2016
Membership fees	\$ 129,531	\$ 118,365
Government grants	141,770	96,195
Donations and Sponsorships	8,303	9,090
Investment income	5,312	(4,401)
Other income	<u>22,250</u>	<u>6,676</u>
	<u>307,166</u>	<u>225,924</u>

Expenditures		
Conferences, Student Awards, Speaker Tours	15,520	17,600
Salaries and Benefits	247,039	185,206
Office, legal, accounting, travel	<u>39,411</u>	<u>27,979</u>
	<u>301,970</u>	<u>230,785</u>
Excess (deficiency)	<u>\$ 5,196</u>	<u>\$ (4,861)</u>

Annual Income Growth





Why Contribute?

Science Atlantic is a federally registered charity advancing science education and research at the post-secondary level. With a very modest annual operating budget, we are able to deliver programs and facilitate connections that have a positive impact on students, educators, and researchers in the Atlantic region.

Our conferences give students their first professional presentation opportunities and can launch their research careers. For researchers and educators, our network facilitates connections that can lead to graduate student recruitment, research collaborations, and scientific and teaching discussions. For universities, our united effort strengthens their impact on science issues in the region.

We rely on both individual donors and corporate sponsors to help fund our activities. Your contributions help to:

- Fund student conferences in ten disciplines and provide travel assistance for students to attend these conferences
- Sponsor student awards recognizing excellence in research and science communication
- Fund regional lecture tours by notable scientists
- Support special projects that address regional science issues

You can donate at www.sciatl.org/plsDonate.

Thank you for your generosity!



Thank you, Sponsors!

Acadia, Dean of Science
Acadia, Student Union
ACENET Institute for Materials Modeling and Simulation
AMC Consultants
American Association of Petroleum Geologists
Aquaculture Association of Canada
Association of Professional Engineers and Geologists, NB
Association of Professional Geoscientists of NS
Association of Psychologists of NS
Association of Registered Professional Foresters of NB
Atlantic Association for Research in the Mathematical Sciences
Atlantic Canada Opportunities Agency
Atlantic Elver Fishery
Atlantic Geoscience Society
Atlantic Society of Fish and Wildlife Biologists
AV Nackawic
BioNB
BioNova
Bruker Corporation
Canadian Association of Physicists
Canadian Association of Theoretical Chemists
Canadian Botanical Association/
L'association botanique du Canada
Canadian Centre for Fisheries Innovation
Canadian Institute of Mining and Metallurgy
Canadian Psychological Association
Canadian Rivers Institute
Canadian Science Publishing
Canadian Society of Exploration Geophysicists
Canadian Society of Petroleum Geologists
CBU, Dean's Office
CBU, Department of Mathematics, Physics and Geology
Chemical Institute of Canada
CIC, Chemical Education Trust Fund
CIC, Newfoundland and Labrador Section
City of St. John's, NL
Clean Annapolis River Project
Clearwater Seafoods
College of Psychologists of NB
Concordia University
Conservation Council of NB
Cornerstone Capital Resources Inc.
Canadian Society for Brain, Behaviour and Cognitive Science
CSC Biological and Medicinal Chemistry Division
Department of Natural Resources, Minerals Branch
Dillon Consulting
Dr. Hope Simpson Geology Society
Eastlink
Elanco
EnCana
Engineers & Geoscientists, NB
Enterprise Car Rentals
Eosense
Erdene Resource Development Corp.
Esso
Exxon Mobil
Fisher Thermo Scientific
Freewest Resources Canada
Gammon Gold
Geological Association of Canada
Geological Association of Canada, Mineral Deposits Division
Geoscientists Canada
GreenCentre Canada
Haliburton Energy Services
Hibernia Management and development Company Ltd.
HSE Ltd.
IBM
Imperial Oil
Innovation PEI
Institution of Chemical Engineers
Joggins Fossil Cliffs
K.C. Irving Environmental Science Centre
Lobster Council of Canada
Macmillan Publishers
Maplesoft
McGill University
McInnes Cooper Law Firm
MDS Coating Technologies Corporation
Memorial University
MUN, Student Union
Mineralogical Association of Canada
Mining Association of NS
Mining Society of NS
MSVU, Department of Chemistry
MSVU, Dr. Ian Pottie
MSVU, President's Conference Fund
Natural Sciences and Engineering Research Canada
NB Nature Trust
Nelson Education
Nova Scotia Power
PEI BioAlliance
PetroCanada
Petroleum Research Atlantic Canada
Professional Engineers and Geoscientists, NL
Prospectors & Developers Association of Canada
SMU, Alumni Office
SMU, Biology Department
SMU, Dean of Science
SMU, Graduate Studies and Research
SMU, Presidents Office
SMU, Student Association
Schlumberger Canada Ltd.
Silver Standard Resources
Skretting North America
Society of Consumer Psychology
Springboard Atlantic Inc.
St. Francis Xavier University
Symbiose
Teck Cominco
Thermoscientific
Université de Moncton
UdeM, Science Department
UdeM, Social Science Department
UNB, Dean of Forestry and Environmental Management
UNB, Dean of Science
UNB, VP Academic
UNB, VP Research
University of Ottawa
UPEI, Dean of Science
UPEI, Department of Physics
UPEI, Physics Society
UPEI, VP Academic and Research
Vale Inco
Valox Ltd.
Walmart
WISEatlantic
Youth Employment Initiatives, NS

© 2017 Science Atlantic
www.scienceatlantic.ca

Charitable Registration:
BN 81908 0565 RR0001