compute calcul ONTARIO

2016
Year End Report

2017
Achievements and Audited Financial Statements

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Message from the Board Chair and President & CEO

Mark Daley

Nizar Ladak

On behalf of Compute Ontario, we are proud to present the 2016–17 Annual Report, which provides an overview of our activities during this past year.

This report is particularly meaningful. It speaks to our first year of building the foundation of our organization in committed partnership with our funder, the Ministry of Research Innovation Science as well as the provincial high-performance computing consortia.

2016-17 focused on building strong governance, accountability, organizational capacity and early investments in areas of strategic priority. Some of our achievements include:

• Hiring our first President & CEO and permanent Compute Ontario team members;

• Together with our Board and partners, creating our first long range strategic plan: *Broadening Access, Creating Opportunities, Building Connections,* which outlines the priorities for Compute Ontario over the next five years;

• Being named the coordinator of the provincial Big Data and Advanced Research Computing strategy.

All of these achievements move us closer to realizing our vision of driving advanced computing to accelerate research and enhance competitiveness in the global marketplace for a more prosperous Ontario.

We are extremely excited about the path we have embarked on and the successes we have been able to achieve through collaboration with those who share our passion and commitment.

Mark Daley (Board Chair)

Nizar Ladak (President & CEO)

Introduction

This report provides information on Compute Ontario's (CO) activities and financial information for its second year of operation 2016-17, beginning April 1, 2016 and ending March 31, 2017. It sets out its achievements, and includes a financial reconciliation report and audited financial statements as required under its Ontario Transfer Payment Agreement (TPA) with the Ministry of Research, Innovation and Science (MRIS).

Purpose and Mandate

Compute Ontario is a not-for-profit corporation created in March 2014 to support Advanced Research Computing (ARC) in Ontario. It was formed to address needs identified by experts from within Ontario's universities, industry leaders, and researchers. Its vision is to *drive advanced computing to accelerate research and enhance competitiveness in the global marketplace for a more prosperous Ontario.*

In its announcement of the Ontario Strategy on Advanced Research Computing and Big Data, MRIS indicated that Compute Ontario performs a critical role in provincial coordination of ARC resources. Compute Ontario acts as an industry advocate, coordinating the needs and issues of Ontario-based institutions receiving federal and Ontario funding for advanced research computing. CO also represents Ontario institutions at Compute Canada and is engaged in national and regional discussions concerning allocation of federal funding for ARC.

In 2016-17, the Board of Directors approved Compute Ontario's long-range strategic plan, *Broadening Access, Creating Opportunities, Building Connections,* which outlines the priorities for Compute Ontario over the next five years. Our strategic priorities are to:

1. Serve as a credible voice regarding policy; coordinating and advocating key strategies that enhance advanced research computing and its use.

2. Contribute to efforts to progress advanced research computing and its value nationally.

3. Coordinate and support the advanced computing needs of Ontario's academic research community and other key stakeholders.

4. Coordinate Ontario's efforts to develop, retain and increase access to highly qualified personnel and broader access to data for high impact research.

5. Build trust with and serve as a focal point for connecting communities and constituents throughout Ontario's advanced research computing ecosystem.

These priorities complement the Ministry of Research, Innovation and Science strategy on Advanced Research Computing and Big Data, which aims to:

• Upgrade infrastructure and system-wide coordination.

• Develop a pool of new talent in ARC and big data.

• Build on the province's strengths in health informatics.

• Leverage technology and talent to spark new business growth and scale-up opportunities.

Governance

Compute Ontario Board of Directors continued to take steps to further the governance structures of the board. Fiscal 2016-17 was Mark Daley's first full year as Board Chair. With his leadership, the Board was able to achieve several key objectives.

1. Formalize the size and composition of the Board

The Board fixed the number of directors at 13. Board members are selected based on skills that will support growth and operation of the organization, as well improve ethnic and gender diversity of the board.

2. Improve gender and ethnic diversity of directors

On January 27, 2017, the Board welcomed Susan Ursel, Senior Partner, Ursel Phillips Fellows Hopkinson LLP and Shannon MacDonald, Vice Chair, Industry, Chief Inclusion Officer Deloitte as directors. These recruitments helped to further the skills and gender targets of the Board.

3. Support the strategic and planning functions of CO

The Board unanimously approved the five-year strategic plan, the 2016-17 Operating Plan, and the 2017-2020 Multi-Year Plan for Compute Ontario.

On March 20, 2017, the Board passed a resolution allowing Compute Ontario to reorganize institutional investments to progress ARC in Ontario in manner that ensures national requirements have been met and principles of a federated model are adhered to. Any reorganization of this type will be done in close collaboration with stakeholders, and only as required.

4. Create a risk registry to monitor internal and external barriers to CO successfully delivering on its mandate

Through the Audit and Finance Committee, a formal enterprise risk management framework was presented to the Board on March 20, 2017. This risk register will be monitored by the CFO and presented to the Board on a regular basis.

5. Establish a mechanism allowing not-for profit research institutions to provide input regarding governance of Compute Ontario

It important to the Board that not-for-profit research institutions have a voice at the Board and requested the Governance and Nominating Committee establish a mechanism enabling this. The Board approved the development of an Advisory Council, with the intention of having the council operating by the fall of 2017.

6. Establish a process to review the performance of the President & CEO

In collaboration with the Board Chair, the President & CEO, as well as select members of the Audit and Finance Committee, and Governance and Nominating Committee, a performance appraisal process and feedback tool was developed.

In addition to these activities, Steven Liss resigned as Secretary of Compute Ontario Board of Directors on January 27, 2017 and the position was filled by Sylvain Charbonneau, Associate Vice President of Research, University of Ottawa.

The Board ended the year with two remaining vacant seats, which it seeks to fill in 2017-18.
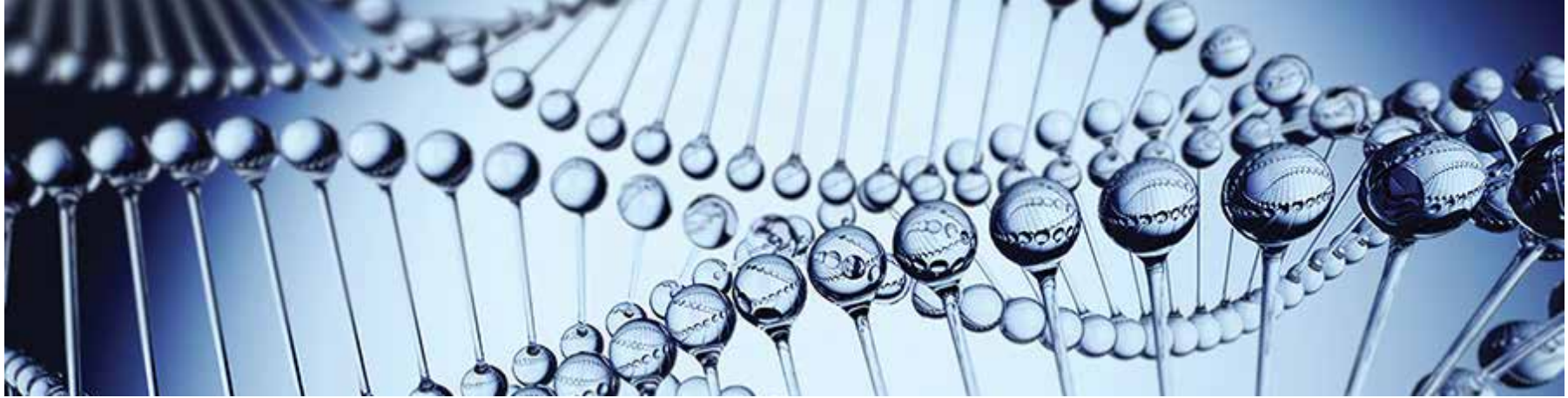
Management

Effective April 1, 2016, Nizar Ladak was appointed as President & CEO of Compute Ontario. TBG MacNiven continued providing transition team services to the CEO until a number of key positions could be filled. The CEO hired an Executive Assistant/Office Manager; a Manager, Strategic Projects; a Chief Technology Officer; and Director, Digital Strategies and Transformation (six-month contract). At the end of the contract for the Director, Digital Strategies the decision was made to hire a permanent full-time communications specialist. Recruitment for a Director, Communications & Stakeholder Relations was initiated towards the end of fiscal year 2016-17 with the intention of having a resource in place by the end of Q1 2017-18.

Cindy Munro, the Financial Director for SHARCNET was officially seconded as Chief Financial Officer on a part-time (50%) basis. This secondment will be revisited in 2021 when the TPA expires. As a result of recruitment activities in 2016-17, five of six vacancies for Compute Ontario were filled.

Compute Ontario continued to work closely with Ontario's four consortia – SciNet, SHARCNET, CAC – formerly HPCVL, and HPC4Health.

Legal services continue to be provided by Borden Ladner Gervais and were primarily used for issues relating to Board Governance and the ArcNet lease agreement. Audit services are provided by KPMG. Payroll and back office services continue to be provided by Western University.

Stakeholder Relations

Compute Canada

Compute Ontario continued to work closely with Compute Canada and the other regional organizations (ACENET, Calcul Quebec and Westgrid) to fulfill the requirements of the Canadian Foundation for Innovation, Major Scientific Initiative fund. Members of the consortia and leaders from CO also continued to support a number of Compute Canada-led initiatives such as cybersecurity; organizing the High-Performance Computing Symposium (HPCS) held in Kingston, Ontario and co-hosted by Compute Ontario and Queen's University; and a series of national working groups and committees related to ARC.

Per item 3. under Governance (above), the Board authorized the Chair and CEO to actively engage with key stakeholders to propose and garner broader acceptance of alternate approaches to the governance and management structure. These efforts have been met by support by the regions and the member institutions. It is the hope

of Compute Ontario that resolutions to governance and management issues that have mitigated national and regional efforts to advance ARC will begin to resolve in the coming year.

Ontario Research and Innovation Optical Network (ORION) & SOSCIP

ORION continued to provide communications support to Compute Ontario particularly on our social media channels. In addition to this, the two organizations solidified their desire to work collaboratively by entering into a Memorandum of Understanding (MOU) to facilitate the advancement of technology supported research.

Compute Ontario also entered into a Memorandum of Understanding with the SOSCIP to strengthen industry outreach and commercialization objectives.

The signing of these MOUs are viewed as successful achievements by the Compute Ontario Board of Directors.

Engaging with the Research Community

The President & CEO commenced his appointment by executing on a 90-day plan that included one-on-one engagements with almost 100 stakeholders with leadership responsibilities in the ARC ecosystem. In addition, he attended High Performance Computing Symposium 2016, a national conference that brings together leaders in ARC. Also, with Vivek Goel, Vice-President Research & Innovation and University of Toronto and Chair of CO's Audit and Finance Committee, the President & CEO spoke to members of Toronto Academic Health Science Network (TASHN) on the opportunities for ARC in health research. This series of events were critical in shaping CO's presence as the coordinated voice for ARC in Ontario.

Compute Ontario also refreshed its digital presence by updating its website and establishing a coordinated voice on its social media platforms with the intention of facilitating greater engagement with members of the ARC ecosystem.

Funding

For the period April 1, 2016 to March 31, 2017, which represented the second operating year of Compute Ontario, the Ministry of Research and Innovation provided funding in the amount of $1,580,000. There was also funds in the amount of $60,000 resulting in a total operating budget of $1,640,000 for fiscal year 2016-17. All funding was received on schedule.

There were delays however, in the hiring of permanent CO staff. As such, the organization underspent for 2016-17. In collaboration with MRIS, CO allocated $80,000 to consortia projects that aligned with the strategic priorities of Compute Ontario. The outcomes of these initiatives are highlighted in the key achievements section of this report.

Key Achievements

Compute Ontario was successful in completing the majority of its committed deliverables for 2016-17.

Building Organizational Capacity to Deliver on Our Mandate

- Hiring 83% of planned positions within the organization to build the organizational capacity of CO

- Securing office space in the MaRS Centre West Tower

- Formalizing partnership with Ontario Research and Innovation Optical Network (ORION) through the signing of a Memorandum of Understanding to facilitate the advancement of technology-supported research

- Formalizing partnership with SOSCIP through the signing of a Memorandum of Understanding to facilitate commercialization of research initiatives

Coordinated Voice for ARC in Ontario

- Formally announced as the provincial coordinator of ARC by the Honourable Reza Moridi, Minister of Research, Innovation and Science.

- Working with the consortia to coordinate applications for Major Scientific Initiatives (MSI) funding.

- Securing additional funds to support the operations of new hardware investments at the University of Toronto and University of Waterloo.

Special Projects and Initiatives

Directed investment in the amount of $80,000 to support consortia initiatives that furthered the strategic objectives of CO. A combination of special projects and professional development events were awarded funds.

Identified projects included:

- Data Safe Haven Project – A collaboration between, HPC4Health and ICES will which will form the basis of the health sector strategy as well as, inform data access and management planning.

- Provincial Back-up Strategy – The consortia were able to move forward on a series of initiatives such as data-

replication and off-site disaster recovery which could be implemented in the near term. These projects will increase operational reliability of Compute Ontario sites; establish leadership in data availability within Compute Canada; provide proof of concept storage of active medical data, including personal health information; and broaden Compute Ontario's data platform.

This work is seen as a complementary input into the broader Provincial Data Access Management strategy.

Professional development and education events which were supported included:

- One Day Planning Meeting for CC TECC.
- CO- TECC Mini-Conference.
- SOSCIP Impact Conference.
- High Performance Computing Symposium 2017.

These events created forums that allow highly-qualified personnel (HQP) to come together to either collaborate, learn, and celebrate successes in ARC.

Status of Other Deliverables

As a result of delays experienced during the hiring of the Chief Technology Officer and Director of Communications & Stakeholder Relations, a subset of deliverables initially planned for 2016-17 were deferred to 2017-18. These include:

- Development of a technology investment strategy; and

- Implementation of fulsome stakeholder relations plan and a broader communications plan.

The Annual Operating Plan for 2017-18 which CO submitted to the Board and Ministry outline timelines around all strategic initiatives being undertaken by the organization with the assumption that all staff will be in place.

Table 1 provides of status of deliverables for 2016-17 and their status.

Table 1 - Report on 2016-17 Milestones and Deliverables

Milestone/Deliverable	Description	Timelines/ Key dates	Status
Work with sites regarding transition of researchers/staff over to new systems as part of CC hardware refresh	CO will represent Ontario HQPs in the transition to the new CC model.	Fiscal 2016/17	**Complete:** "Graham" system migration at UWaterloo as part of new system install. Large parallel migration will happen in fall 2017.
Coordination of transition of equipment over to new systems as part of CC hardware refresh (addressing issues such as HR, retraining)	CO will represent Ontario's interests during the transition including addressing concerns about Ontario's financial contribution; capacity, research requirements.	Fiscal 2016/17	Awaiting response from MRIS Expert Panel.
CEO and core staff in place	Search for CEO complete; core staff recruited as set out in business plan	April 2016	**Complete:** CEO and core staff in place with the recruitment of the final position underway by the end of the fiscal year.
Office space acquired and fitted up	CO space to be located, office sharing options to be considered	April 2016	**Complete:** Shared ArcNet office space acquired.
Ongoing communication with HQP	Provide updates, information to HQP community to inform them of CC transition, and of CO initiatives, as part of communications strategy	April 2016; ongoing thereafter	**Complete:** CEO provided regular updates through consortia advisory committees and meetings with VP/AVPs of CC member institutions.
Contribution to CFI-led development of national standards and policies on data access standards	CO to represent Ontario's interests, make submissions, comment on process	April 2016	**On hold:** CFI did not initiate project.
Annual conference/symposium (CORD) in collaboration with ORION	Annual conference/symposium for AC and research community	May 2016	**Complete:** Conference held in May as planned.
Input into CC national communications plan/table	CO to provide representation for Ontario	May/June 2016	**Complete:** Input provided
Special Studies	CO to provide support for Ontario Data Safe Haven Pilot Project	March 2017	**Initiated:** the first phase of this study was completed in 2016-17 and work will continue over subsequent years.

Table 1 - Report on 2016-17 Milestones and Deliverables

Milestone/Deliverable	Description	Timelines/Key dates	Status
Development of annual communications plan	Annual communications plan	June 2016	**Complete:** As a core team was not in place until later in the year, the CEO created and executed on a 90-day strategy to achieve this objective
Develop Stakeholder relations plan: include strategy to develop partnerships	Annual stakeholder relations plan	June 2016	**Complete:** As a core team was not in place until later in the year, the CEO created and executed on a 90-day strategy to achieve this objective
Development of Host Site agreements	CO will contribute to service level agreements for host sites (Waterloo and University of Toronto)	Waterloo, spring 2016 Toronto 2017	**Complete:** Agreements in place.
Develop "one door" initiative, and launch	CO to work with partners on enhancing how Ontario provides concierge service, to enable businesses to better access AC services; increase awareness of services benefits of AC to business	June 2016 – March 2017	**Deferred:** CO website refreshed to facilitate this process but major planning delayed until the Director of Communication and Stakeholder Relations is hired.
Year-end report including audited financials	Development of year-end report including audited financials	June/July 2016	**Complete:** 2015-16 Year-end report completed and submitted by the transition team in June 2016.
Development of investment strategy	Development of strategy for investment in Ontario's ARC infrastructure	September 2016	**Deferred:** As the hiring of the CTO was delayed until January 2017 the planning of this activity was delayed. It has been listed as a major initiative for 2017-18.
Implementation of fulsome stakeholder relations plan	Implementation of plan	September 2016 (begin)	**Deferred:** To be completed once a permanent Director of Communications is hired.
Implementation of fulsome Communications plan	Implementation of plan	September 2016 (begin)	**Deferred:** To be completed once a permanent Director of Communications is hired.

Table 1 - Report on 2016-17 Milestones and Deliverables

Milestone/Deliverable	Description	Timelines/ Key dates	Status
Publicize ARC commercialization successes	Enhance awareness of ARC successes in Ontario	Ramp up Fall 2016	**Complete:** Through the signing of an MOU with SOSCIP and sponsorship of the SOSCIP Impact Conference CO was able to highlight ARC successes.
Identify target industries, potential partners	Develop strategies, plans to engage industry in use of ARC technologies; enhance awareness of ARC benefits	Ramp up Fall 2016	**Complete:** Signing of MOUs with ORION and SOCIP. CEO engagement with TASHN and other health care organizations.
Performance Measures	Complete development of performance measures for the organization	March 2017	**Complete:** Proposed measures developed and submitted to MRIS in January 2017.
Annual refresh: Business Plan	Update to business plan	March 2017	**Complete:** Refreshed Multi-year plan submitted to MRIS in March 2017.
Participation into development of CC storage strategy and approach	CO to represent Ontario's interests, make submissions, comment on process	Ongoing	
E-mail and web updates for stakeholders (Board, research community)	CO to provide information and updates on key issues; provide linkages for ARC community	Ongoing	**Complete:** CEO Blog and regular updates on social media platforms, regular reporting to the Board.
Liaison with MRIS, other government bodies; [TPA, submissions]	Provide input to support MRI in development of proposals, agreements	Ongoing	**Complete:** CEO and the Board Chair, engaged in regular meetings with government bodies.
Board meetings and committee meetings; schedule & support	At least 4 Board meetings annually At least 4 committee meetings annually	Ongoing	**Complete:** The Board and committee meetings have been scheduled out to 2017-18.

Financial Report

A report on Compute Ontario finances is included in Table #2. Compute Ontario did not spend the entire $1,640,000 that was allocated in 2016-17, which included the original budget of $1,580,000 plus $60,000 carry forward from 2015-16. As such, there is a total variance of $244,007. Compute Ontario is permitted to carry 10% or $158,000 of the annual allocation forward to the next fiscal year, which leaves $86,007 to be reclaimed by the Ministry.

The commentary on the individual line item variances are noted in the Table, with the most significant variances explained below:

- Over $100k in salary and benefits underspending is related to the timing of the hiring of CO central staff. While most positions were in place by the Fall of 2016, the position of CTO was not in place until late January, 2017.

- The Board and Corporate Secretary function which had previously been contracted out to a third party, ended in November 2016, which resulted in underspending of $115k. The role was assumed by a permanent CO staff person hired in September, 2016.

- Funds were used to support staff training and development in the areas of project management and Board governance and support.

- Additional savings of $58k resulted from the deferral of special studies. The Data Safe Haven pilot was initiated in 2016-17 which resulted in a modest expenditure, but the bulk of that study will be completed in the 2017-18 timeframe. The HQP study was also deferred resulting in additional savings.

- The premises line item was overspent by $76k as a result of fit costs for the ArcNet space at the MaRS facility in Toronto. Savings from the IT line item cover this expenditure, as many of those costs were part of the IT budget allocation.

- The professional services line item was overspent by $123k. This was largely due to one-time costs associated with funding Ontario consortia proposals as approved by MRIS. In addition, there was an overlap in costs for the transitional/interim CEO. The transitional/interim CEO was kept for several months to overlap with the permanent CEO to help orient and advise the new CEO. Savings from the Board and Corporate Secretary function, along with salary savings offset these expenditures.

- The IT line item was underspent by $87k. A large portion of those budgeted expenditures were covered under fit costs for the ArcNet space.

- Compute Ontario did not move forward with the production of communications materials such as brochures, and other material to support participation at trade shows as this was seen as premature given that permanent communications staff are not in place. This resulted in additional savings.

Table 2 – Compute Ontario Financial Variance Report
For the period ending March 31, 2017

	Budget	Actuals	Variance	
Expense Category	**2016-17**	**2016-17**	**2016-17**	**Comments**
Salaries, Wages & Benefits	$717,600	$617,415	$100,185	Timing of hiring of CO central staff
Staff Training	$19,500	$4,595	$14,905	Priority on developing project management skills and Board support/governance
Board & Corporate Secretary	$165,000	$49,631	$115,369	TBG MacNiven contract ended Nov 2016
Conferences, Meetings & Events	$65,000	$91,735	($26,735)	Board meetings, travel, conferences
Premises	$96,000	$172,469	($76,469)	Includes MaRS fit-up costs not originally budgeted
Special Studies	$88,188	$30,000	$58,188	Partial Data Safe Haven study; HQP study deferred
Professional Services	$235,000	$358,093	($123,093)	Includes transitional/interim CEO overlap; recruitment of CO central staff; funding for consortia funding proposals as approved by MRIS
Legal, HR, Procurement	$30,000	$18,674	$11,326	In-year legal advice (ArcNet lease agreement, CO by-laws and Board renewal, etc.)
Accounting financial	$10,000	$0	$10,000	UWO providing back-end financial systems as in-kind
Insurance	$10,000	$3,078	$6,922	D&O and commercial liability insurance
Audit	$7,500	$11,800	($4,300)	Final audit expenses
IT	$110,012	$22,778	$87,234	Equipment for CO central staff, software, website costs
Media & Materials	$10,000	$4,341	$5,659	Includes advertising & promotional expenses
Office Administration	$16,200	$11,384	$4,816	Supplies, courier, postage, telephone, meeting facilities
TOTAL EXPENSES	$1,580,000	$1,395,993	$184,007	
Carry forward	$60,000	$0	$60,000	c/f from 2015-16
TOTAL BUDGET	$1,640,000	$1,395,993	$244,007	Eligible c/f from 2016-17 is $158k

Schedule of Expenditures

COMPUTE ONTARIO / CALCUL ONTARIO
MINISTRY OF RESEARCH AND INNOVATION FUNDING

For the period ending March 31, 2017

INDEPENDENT AUDITORS' REPORT

To the Management of Compute Ontario / Calcul Ontario and the Ministry of Research and Innovation

We have audited the accompanying schedule of expenditures of Ministry of Research and Innovation (the "Ministry") funding of Compute Ontario / Calcul Ontario and notes comprising significant accounting policies and other explanatory information for the period from April 1, 2016 to March 31, 2017 (the "Schedule"). This Schedule has been prepared by management based on the financial reporting provisions in Section F of the agreement dated April 1, 2015 between Compute Ontario / Calcul Ontario and The Ministry of Research and Innovation (the "Agreement").

Management's Responsibility for the Schedule

Management is responsible for the preparation of the Schedule in accordance with the financial reporting provisions in the Agreement, and for such internal control as management determines is necessary to enable the preparation of the Schedule that is free from material misstatement, whether due to fraud or error.

Auditors' Responsibility

Our responsibility is to express an opinion on the Schedule based on our audit. We conducted our audit in accordance with Canadian generally accepted auditing standards. Those standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the Schedule is free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the Schedule. The procedures selected depend on our judgment, including the assessment of the risks of material misstatement of the Schedule, whether due to fraud or error. In making those risk assessments, we consider internal control relevant to the entity's preparation of the Schedule 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 entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by management, as well as evaluating the overall presentation of the Schedule.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion, the financial information in the Schedule is prepared, in all material respects, in accordance with the financial reporting provisions in the Agreement.

Basis of Accounting

Without modifying our opinion, we draw attention to note 2 to the Schedule, which describes the basis of accounting. The Schedule is prepared to provide information to The Ministry of Research and Innovation. As a result, the Schedule may not be suitable for another purpose.

Restriction on Use

Our report is intended solely for the Management of Compute Ontario / Calcul Ontario and The Ministry of Research and Innovation and should not be used by parties other than Compute Ontario / Calcul Ontario and The Ministry of Research and Innovation.

KPMG LLP

Chartered Professional Accountants, Licensed Public Accountants September 11, 2017
London, Canada

COMPUTE ONTARIO / CALCUL ONTARIO
Schedule of Expenditures

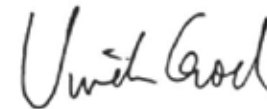Year ended March 31, 2017, with comparative figures for 2016

	Total 2017	Total 2016
Expenditures:		
Salaries, wages and benefits	$ 617,415	$ 241,155
Professional services	358,093	37,456
Premises	172,469	-
Conference, meetings and events	91,735	14,912
Board and corporate secretary	49,631	72,240
Special studies	30,000	58,228
Information technology	22,778	542
Legal, HR and procurement	18,674	12,639
Audit	11,800	4,262
Office administration	11,384	1,833
Staff training	4,595	-
Media and materials	4,341	-
Insurance	3,078	3,078
Accounting	-	10,000
Total expenditures	$ 1,395,993	$ 456,345

See accompanying notes to financial statements.

Approved on behalf of the Board of Directors:

_____
Chair, Board of Directors

_____
Chair, Audit Committee

COMPUTE ONTARIO / CALCUL ONTARIO

Notes to Schedule of Expenditures

For the period from April 1, 2016 to March 31, 2017

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1. **Project Description:**

   Compute Ontario / Calcul Ontario signed an agreement dated April 1, 2015 with The Ministry of Research and Innovation for the operating costs of Compute Ontario (the "Project").

   Under the agreement, The Ministry of Research and Innovation will provide a maximum of $8,500,000 cash contribution to the Project for the project period, which ends on March 31, 2021. The project objective is to explore the merits of developing a high performance computing and big data strategy for the province.

   This Schedule presents Compute Ontario / Calcul Ontario's portion of eligible expenditures incurred for this Project during the reporting period.

2. **Basis of accounting:**

   This Schedule is prepared in accordance with the financial reporting provisions in Section F of the Agreement dated April 1, 2015 between Compute Ontario / Calcul Ontario and The Ministry of Research and Innovation.

3. **Significant accounting policy:**

   Expenditures:

   Expenditures are eligible under the Project if they were incurred in the period of the Project and are directly related to the completion of the Project.

Our Board Members

Sylvain Charbonneau, PhD
Associate Vice-President, Research;
University of Ottawa
Role on Board: Director

Dan Sinai
Senior Executive, Innovation, IBM Canada Ltd.
Role on Board: Director

Mark Daley, PhD
Associate Vice-President (Research),
Western University
Role on Board: Chair

Ranil Sonnadara, PhD
Institutional lead, Research and Advanced Computing,
McMaster University
Role on Board: Vice-Chair

Vivek Goel, MD, MSc
Vice-President, Research and Innovation,
University of Toronto
Role on Board: Director, Chair of Audit and
Finance Committee

Salim Teja
Executive Vice President Ventures, MaRS Innovation
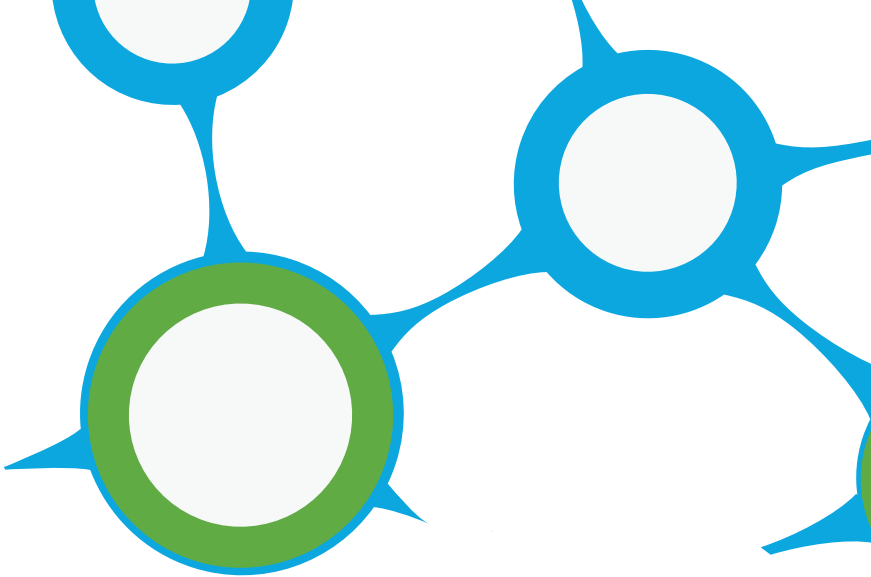*Centre*
Role on Board: Director

Warren Helland
Vice-President Operations, Digital Echidna
Role on Board: Director, Chair of Governance
and Nominating Committee

Dereck Whitmell
Vice President, Lottery Information Technology &
iGaming
OLG
Role on Board: Director

Catherine Middleton, PhD
Professor, Ted Rogers School of Management,
Ryerson University
Role on Board: Director