



# Day 1

Thursday, November 29

HOUR / ROOM	DESCRIPTION
7:45 – 8:30	<b>Registration</b> <b>NB:</b> Breakfast is on your own
7:15 – 8:15 Capitale	<b>Breakfast meeting for Board Chairs</b> <b>Moderator:</b> <b>Chris Loomis</b> , Board Chair, Compute Canada and Ocean Networks Canada
8:30 – 9:00 The International Ballroom "C"	<b>Opening remarks</b> <b>Master of Ceremonies (MC):</b> <b>Mohamad Nasser-Eddine</b> , Interim Vice-President of Programs and Performance, CFI
9:00 – 10:00 The International Ballroom "C"	<b>SESSION 1 – CFI</b> <b>From pilot to flagship fund: lessons learned from the MSI final performance reports analysis (2012–17)</b> <b>Speaker:</b> <b>Heidi Bandulet</b> , Senior Programs Officer, CFI <p>The CFI recently undertook a high-level analysis of the final performance and financial reports submitted by the 12 facilities funded through the 2012 and 2014 MSI Fund competitions. The resulting report, which will be shared with MSI-funded facilities following this session, is meant to showcase the progress and achievements of the facilities, provide insights into the attainment of the MSI Fund objectives, and guide the CFI's oversight activities for the current 2017–22 cohort and planning for future competitions. In this session, the CFI will present the report's key findings then provide opportunity for an open discussion.</p>
10:00 – 10:15 Foyer	<b>Break</b>
10:15 – 11:45 The International Ballroom "C"	<b>SESSION 2 – Demonstrating MSI achievements and impacts</b> <b>Speaker:</b> <b>Laura Hillier</b> , Director, Performance, Analytics and Evaluation, CFI <b>Co-moderators:</b> <b>Sara Iverson</b> , Scientific Director, Ocean Tracking Network <b>Samantha Kuula</b> , Senior Communications Officer, SNOLAB <b>Stephen Scherer</b> , Project Leader, Canada's Genomics Enterprise <b>Colin McKerlie</b> , Director, The Centre for Phenogenomics
Breakout rooms: Chaudière & Frontenac	<p>Major science facilities are required to demonstrate their achievements and impacts to diverse stakeholders. Such impacts depend on many factors such as the nature of the facility or its operational lifecycle stage. Through sharing international good practices from recent conferences (2018 International Conference for Research Infrastructures and the Working Group of Socio-Economic Impact of Research Infrastructures established by the OECD Global Science Forum and the European Union's Horizon 2020 funded project Research Infrastructure imPact Assessment paTHwayS (RI-PATHS)) and sharing the MSI facilities' experiences, this session is intended to help facilities identify, collect and report on impacts, in particular those outside of academia, throughout their operational life-span and targeting relevant stakeholders.</p>

HOUR / ROOM	DESCRIPTION
<b>11:45 – 13:15</b> The International Ballroom "C"	<b>Lunch</b> <b>Invited speaker: Robert J. Sawyer</b> <p>To extrapolate the future you have to start with the past: Rob will survey the state of Canadian science institutions back when he was entering university in 1979 through to the world-class installations we have today, such as the Canadian Light Source (where Rob was writer-in-residence) and SNOLAB (where part of his Hugo Award-winning novel HOMINIDS is set), and then give a glimpse of the decades to come. Wilfrid Laurier said the 20th century belongs to Canada; Rob will show why, as far as science is concerned and thanks to CFI, he was off by a hundred years.</p>
<b>13:15 – 14:15</b> Chaudière & Frontenac	<b>Networking</b> <p>It is your time to network with colleagues from other MSI-funded facilities. Come prepared, use the participants list to set up meetings in advance of the workshop.</p>
Capitale	<b>Board Chairs meeting</b> <b>Moderator: Chris Loomis</b> , Board Chair, Compute Canada and Ocean Networks Canada <p>Board Chairs will share their experiences and insights on a few common challenges in governing national research facilities.</p>
<b>14:15 – 15:15</b> The International Ballroom "C"	<b>SESSION 3 – Plenary session: Reflections of MSI Board Chairs on models of success</b> <b>Moderator: Chris Loomis</b> , Board Chair, Compute Canada and Ocean Networks Canada <b>Panelists :</b> <b>Isabelle Blain</b> , Board Chair, The Canadian Light Source <b>Jim Woodgett</b> , Board Chair, The Centre for Phenogenomics <b>Peter Harrison</b> , Board Chair, The Ocean Tracking Network <b>Frédéric Bouchard</b> , Board Chair, Érudit <p>The plenary session will provide an opportunity for a few facilities' Board Chairs to share their experiences, along with key messages and ideas arising from the Chairs' meeting, for the benefit of workshop participants. This will be followed with a Q&amp;A session.</p>
<b>15:15 – 15:45</b> Foyer	<b>Break</b>

HOUR / ROOM	DESCRIPTION
<b>15:45 – 16:45</b>	<b>SESSION 4 – Concurrent sessions</b> <b>SPECIAL INTEREST GROUPS</b> (pre-registration is required for SIG sessions)
<b>Chaudière</b>	<b>Financial management and reporting</b> <b>Moderator:</b> <b>Belinda Potter</b> , Senior Controller, The Hospital for Sick Children Planning, monitoring and reporting on operating and maintenance (O&M) costs of national research facilities are complex undertakings. This special interest group will provide a forum to discuss challenges, such as human resources practices, ensuring the eligibility of O&M costs, and audits, associated with financial oversight of large-scale science facilities. It will also provide an opportunity to share good practices and other tips and tools used at different facilities for financial management and reporting of O&M costs.
<b>The International Ballroom "C"</b>	<b>MSI-university relationship</b> <b>Moderator:</b> <b>Laura Zink</b> , Director, University of Saskatchewan It is important that national research facilities strike the right balance between alignment with and independence from their host institutions. Defining clear roles, responsibilities, expectations and ongoing communication between the MSI-funded facility and the host institution can ensure good relationships and efficient practices. This special interest group will explore good practices and challenges related to building and sustaining productive relationships between the MSI-funded facility and the host institution(s).
<b>Frontenac</b>	<b>Research data management</b> <b>Moderator:</b> <b>Benoit Pirene</b> , Director, User Engagement, Ocean Networks Canada For many facilities supported through the MSI Fund, the data they generate and/or store is a key product. Therefore, they must devise optimal ways of organizing the research data so that they can be verified, reused, reproduced and referenced in future work. For example, observatories could multiply their overall science output through an open, well-curated and easily accessible data archive. This special interest group will explore opportunities and challenges related to data management with the intent of maximizing the data's usefulness for ongoing and future research. The session will explore this topic through the lens of FAIR principles for scientific data management and stewardship, ensuring data is Findable, Accessible, Interoperable and Reusable.
<b>16:50 – 17:15</b> <b>The International Ballroom "C"</b>	<b>Wrap-up</b>
<b>17:45 – 19:00</b> <b>The International Ballroom "B"</b>	<b>Reception &amp; networking</b> <b>NB:</b> Dinner is on your own



# Day 2

Friday November 30

HOUR / ROOM	DESCRIPTION
7:45 – 8:30	<b>Registration</b> <b>NB:</b> Breakfast is on your own
8:30 – 8:45 The International Ballroom "C"	<b>Opening remarks</b> <b>MC:</b> <b>Mohamad Nasser-Eddine</b> , Interim Vice-President, Programs and Performance, CFI
8:45 – 9:15 The International Ballroom "C"	<b>WRAP-UP SESSION 2 – Demonstrating MSI achievements and impacts</b> <b>Speaker :</b> <b>Laura Hillier</b> , Director, Performance, Analytics and Evaluation, CFI <b>Co-moderators:</b> <b>Sara Iverson</b> , Scientific Director, Ocean Tracking Network <b>Samantha Kuula</b> , Senior Communications Officer, SNOLAB <b>Stephen Scherer</b> , Project Leader, Canada's Genomics Enterprise <b>Colin McKerlie</b> , Director, The Centre for Phenogenomics
9:15 – 10:30 The International Ballroom "C"	<b>SESSION 5 – Midterm review: overview and guidance</b> <b>Speaker:</b> <b>Mark Lagacé</b> , Senior Programs Officer, CFI <p>As per the Call for Proposals, facilities funded through the 2017–22 competition will undergo an external review at or near the midpoint of the award cycle. The MSI midterm review is meant to assess how well each facility was able to maximize its scientific and technological capabilities as a result of the MSI funding. In this session, the CFI will provide an overview of the process and requirements for this review. This will be followed with a Q&amp;A session. Guidelines will be shared before the workshop</p>
10:30 – 11:00 Foyer	<b>Break</b>
11:00 – 11:45 The International Ballroom "C"	<b>SESSION 6 – Major research facilities user engagement</b> <b>Invited Speaker:</b> <b>Richard Leonard</b> , Vice President, Research Infrastructure Business, Battelle <p>A User Research Facility is the embodiment of a community's vision to enable discoveries only achievable through a large shared investment. The community commitment to establishing a facility obligates the Operator to maintain engagement with that community and to ensure the facility meets the needs of its user community. The ultimate success of a user facility is, in fact, defined by the success if its users and their breaking new ground through scientific or engineering discoveries. The National Ecological Observatory Network (NEON) is one such facility funded by the US National Science Foundation and operated by Battelle. Richard Leonard, who leads Battelle's Research Infrastructure business, will provide a review of challenges faced by NEON in rebuilding connections with its user community, where they see going in the future, and lessons that may apply to both similar and different research infrastructures. NEON is particularly challenged as its primary interface with the ecological research community is through an open data portal, data.NEONScience.org, thus many of NEON's users may not interact with NEON's staff at any time in their research. How to build engagement, demonstrate value, and ensure NEON's users' success in such an environment requires a proactive approach across multiple pathways.</p>
11:45 – 13:00 The International Ballroom "C"	<b>Lunch &amp; networking</b>

HOUR / ROOM	DESCRIPTION
<b>13:00 – 14:15</b> <b>Chaudière &amp; Frontenac</b>	<b>SESSION 7 – Enhancing user engagement and tracking</b> <b>Moderators:</b> <b>Ian Clark</b> , Project Leader, The Andre E. Lalonde Accelerator Mass Spectrometer <b>Alexandre Forest</b> , Executive Director, Amundsen Science <b>Monica Justice</b> , Senior Scientist and Head, Genetics and Genome Biology, The Centre for Phenogenomics <p>It is essential for national research facilities to respond to the needs of their user communities and to maintain an optimal use of their facilities. To do so, each facility has developed strategies to engage current users, identify new potential users and track user satisfaction. Attendees may participate in one of two parallel sessions. One session will provide an opportunity to share methods and tools used by the facilities to track users and gather feedback on user satisfaction to inform performance measures. The other session will focus on ways to increase or diversify the user base as well as ways to manage access to the facility to ensure optimal use.</p>
<b>14:15 – 14:45</b> <b>The International Ballroom “C”</b>	<b>SESSION 8 – The way forward (MSI 2023)</b> <b>Speaker: Mohamad Nasser-Eddine</b> , Interim Vice-President, Programs and Performance, CFI <p>Building on the 2012–17 lessons learned, feedback from the consultation carried out last June and key messages from workshop sessions, the CFI will share its views on emerging directions for the MSI Fund. What could the MSI Fund look like in 2022? What <i>should</i> the MSI Fund look like in 2022? And how might the federal government’s desire for a more coherent and structured approach for major research facilities and digital research infrastructure intersect with the MSI Fund?</p>
<b>14:45 – 15:00</b> <b>The International Ballroom “C”</b>	<b>Wrap-up and closing remarks</b> <b>MC: Mohamad Nasser-Eddine</b> , Interim Vice-President, Programs and Performance, CFI