

# Session 1

## Introduction to the Compute Canada Federation for Humanities and Social Sciences Researchers

[Megan Meredith-Lobay](#)

Megan is the digital humanities and social sciences Research Specialist for the University of British Columbia Advanced Research Computing team, and serves on the Compute Canada Humanities and Social Sciences National Team. She holds a PhD from the University of Cambridge in Archaeology where she used a variety of computing resources to investigate ritual landscapes in Late Iron Age/Early Medieval Scotland. Megan worked at the University of Alberta where she supported research computing for the Faculty of Arts, and at the University of Oxford where she was the programme coordinator for Digital Social Research, an Economic and Social Research Council project to promote advanced ICT in Social Science research.



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**compute** | **calcul**  
canada | canada



The Compute Canada Federation is a not-for-profit organization funded by the Canadian Foundation for Innovation and comprised of regional partnerships to provide the **essential digital infrastructure for industry and researchers in Canada.**

Our **~200 staff are world class experts** and **train thousands of researchers** a year in computation and big data analytics - **ensuring we produce knowledge specialists for competitive industries.**

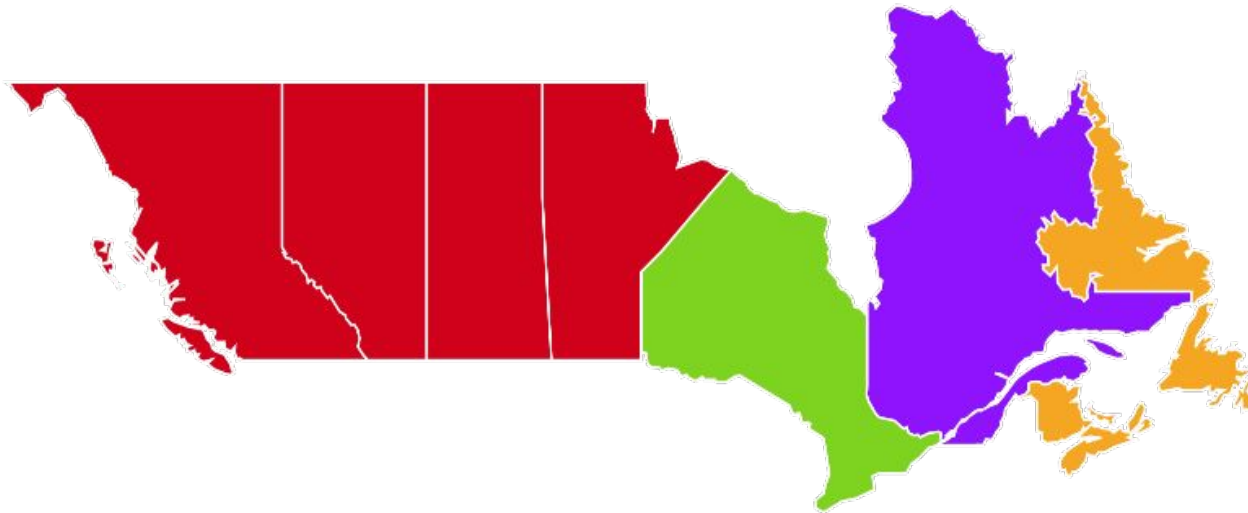


Compute/Calcul Ontario

Calcul Québec

WestGrid

ACENET



# Regional Consortia



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# Supporting Research

Resources

Services

Expertise



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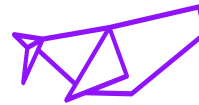
# Resources

- High performance, big data and GPU computing
- [Cloud](#) environment development space and storage that includes [an](#) outward facing IP address
- Terabytes of active data storage with secure backup systems
- Secure large file transfer portal



# High Performance Compute

National Systems



**Béluga** - CPU, GPU, Storage



**Graham** - CPU, GPU, Storage, Cloud



**Niagara** - CPU, Storage



**Cedar** - CPU, GPU, Storage, Cloud



**Arbutus** - Cloud



# Services

- Training
- Centralized software stack
- Nextcloud
- Specialized Data Portals - i.e., Jupyter Hub
- FRDR Collaboration
- Globus File Transfer



# Training

Regional and National

Discipline  
specific  
training



*The  
Carpentries*



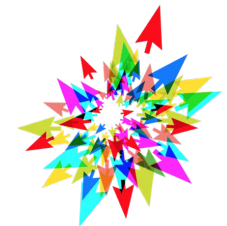
High  
Performance  
Computing  
Carpentry



*Visualization*



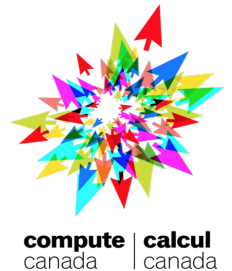
Summer  
Schools



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# Expertise

- Consultation - Helping to determine the resources needed
- Designing, optimizing and troubleshooting computer code
- Customizing tools
- Specialized support is available for a range of disciplines
- Visualization specialist
- Cybersecurity



# Getting Access

How do I access the resources, services, and expertise?

<https://www.computecanada.ca/home/> [support@computecanada.ca](mailto:support@computecanada.ca)

## Resources

- RAS - On-Demand
- RAC - yearly
- Resources for Research Groups (**RRG**)
- Research Platforms and Portals (**RPP**)

## Services

- CCF Wiki
- Disciplinary Support
- Software
- Special support, i.e. COVID

## Expertise

- Visit Consortia websites
- Visit disciplinary support wiki
- Attend training courses

# HSS Support

- Humanities and Social Sciences experts in WestGrid and ACENET
- A National Humanities and Social Sciences team with domain and technical experts located at sites across the country.
- HSS targeted training courses - including Software and Data Carpentry
- Support for Digital Humanities Summer Institute





# HSS Support

<b>Awareness</b>	<ul style="list-style-type: none"><li>• Raising awareness with researchers within the range of target disciplines about what the CCF offers them.</li></ul>
<b>Internal Advocacy</b>	<ul style="list-style-type: none"><li>• Working with other CCF technical teams to ensure that infrastructure aligns with the Humanities and Social Sciences community's needs.</li></ul>
<b>Training</b>	<ul style="list-style-type: none"><li>• Training researchers on how to use CCF systems.</li><li>• Training CCF staff on the methods and tools used by these researchers.</li></ul>
<b>Support</b>	<ul style="list-style-type: none"><li>• Supporting the community use of CCF infrastructure and responding to their unique challenges.</li></ul>

# HSS National Team

Team Lead : **Megan Meredith-Lobay**, University of British Columbia

- **James Desjardins**, Brock University
- **Garth Evans**, University of British Columbia
- **Michele Fash**, ACENET
- **Félix-Antoine Fortin**, Université Laval
- **Chris Geroux**, Dalhousie University
- **Wade Klaver**, University of British Columbia
- **Pawel Pomorski**, University of Waterloo
- **Paul Preney**, University of Windsor
- **Alex Razoumov**, WestGrid
- **Nick Rochlin**, University of British Columbia
- **Dave Schulz**, University of Calgary
- **John Simpson**, University of Alberta
- **Craig Squires**, Memorial University
- **Pier-Luc St-Onge**, McGill University
- **Lydia Vermeyden**, St. Francis Xavier University

# THANK YOU

for more information please visit

<https://www.computecanada.ca/>

# Housekeeping

<p>The presentation, but not the discussion portion of this session will be recorded.</p>	<p>Cet atelier est enregistré, à l'exception de la période de questions.</p>
<p>Please stay muted unless asking a question. We will be taking on-mic questions at the end, if you have one, use the raise hand button in the reactions menu, or the participants menu (It will be in a different location depending on whether your Zoom is up to date), then you will be invited to ask your question on mic.</p>	<p>Fermez votre microphone. Il y aura une période de questions de vive voix à la fin de l'atelier. Si vous avez une question, cliquez sur <i>Réactions</i> ou <i>Participants</i> dans la barre inférieure de la fenêtre Zoom, puis sur <i>Lever la main</i> et attendez qu'on vous invite à parler.</p>
<p>During and after the session you can put questions in the slack workspace chat. The channel for this session is "session-1". We have helpers watching that channel who will be answering questions throughout the session and will direct pertinent questions towards the presenter as well. If we do not get all the Slack questions answered during the session we will continue to answer them in Slack after the zoom session ended.</p>	<p>À tout moment, vous pouvez poser une question par écrit dans l'espace de clavardage Slack, sur le canal "session-1". Vous pourrez recevoir une réponse immédiatement ou votre question sera communiquée à la personne qui dirige l'atelier. Nous resterons disponibles sur Slack après la présentation pour répondre aux questions qui n'auront pas été traitées.</p>





# Housekeeping

<p>We will be reserving the zoom chat for technical difficulties only, it is located at the bottom of your screen near your main zoom controls, if you are having technical difficulties with Zoom please let us know in the Zoom chat.</p>	<p>L'espace de clavardage de Zoom est réservé aux messages de nature technique. Pour rapporter un problème, cliquez sur <i>Discussion</i> dans la barre inférieure de la fenêtre,</p>
<p>For this session you are invited to ask your questions in English or French.</p>	<p>Vous pouvez poser vos questions en français ou en anglais.</p>
<p>Slides for this presentation are being shared in both English and French. click on the “View Options” button at the top centre of your screen and select your preferred language from under “shared Screens” in the drop down menu. If you are having trouble switching between the slides please click the raise-your-hand button, or let us know in the Zoom chat and one of our helpers will assist you via private zoom chat.</p>	<p>Les diapositives sont présentées en français et en anglais. Pour sélectionner la langue des diapositives, cliquez sur le bouton <i>Options d’affichage</i> en haut de la fenêtre principale de Zoom et sélectionnez un des deux écrans partagés dans un sous-menu déroulant. Si vous avez des problèmes à faire afficher les diapositives dans la langue que vous voulez, cliquez sur le bouton de la main levée ou utilisez la fonction de clavardage et quelqu’un vous aidera.</p>