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Learn how to harness the power of GPUs

Hackathon: Gather a team & register by January 15

From February 22 - March 3, Simon Fraser University (SFU) is hosting a GPU Hackathon. The event is free, online, and invites scientists and students to

experiment with accelerating their HPC codes in a collaborative environment with expert mentors from National Labs, Universities and industry leaders.

This event is open to all Compute Canada Federation users and teams will use SFU's Supercomputer Cedar, one of five national host sites within Canada's national ARC platform.

No advanced GPU skills are required, but teams will be expected to know the basics of GPU programming and profiling at the event. A collection of GPU lectures, tutorials, and labs will be made available for all participants at no fee. Hurry - the deadline to register is Friday, January 15!

LEARN MORE & REGISTER

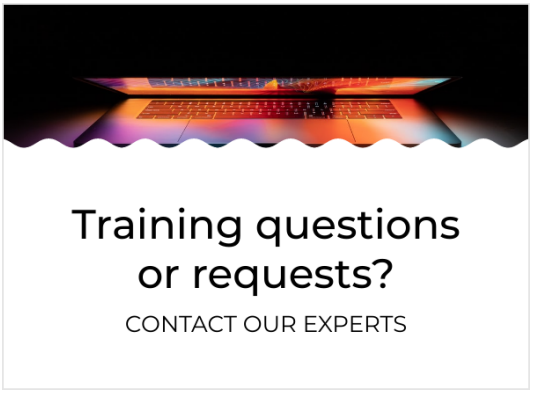
Humanities & Social Sciences webinars

Feb 16-19: Introductions to digital research tools

The Compute Canada Federation will be delivering an introductory, beginner-level digital research workshop series for humanities and social sciences (HSS) researchers.

Advanced digital tools available through the Compute Canada Federation will be discussed, as well as some out-of-the-box tools available to Canadian researchers, and additional information and techniques relevant for digital research projects. There are eight sessions in total and registrants can attend as many or as few of the sessions as they wish.

LEARN MORE & REGISTER



Challenge your data visualization skills

SciVis Contest 2021: Entries due by July 31

Building on four successful years hosting a national *Visualize This! Challenge*, the Compute Canada Federation's Visualization Working Group is joining forces with IEEE to co-host the 2021 SciVis Contest, an international competition to create novel approaches and state-of-the-art visualizations that help domain scientists better understand challenging datasets.

All Compute Canada Federation users are invited to participate and challenge their creativity, experiment with new visualization tools, and contribute to the growth of data visualization in Canada. Prizes will be awarded to the winners!

Full Contest Details

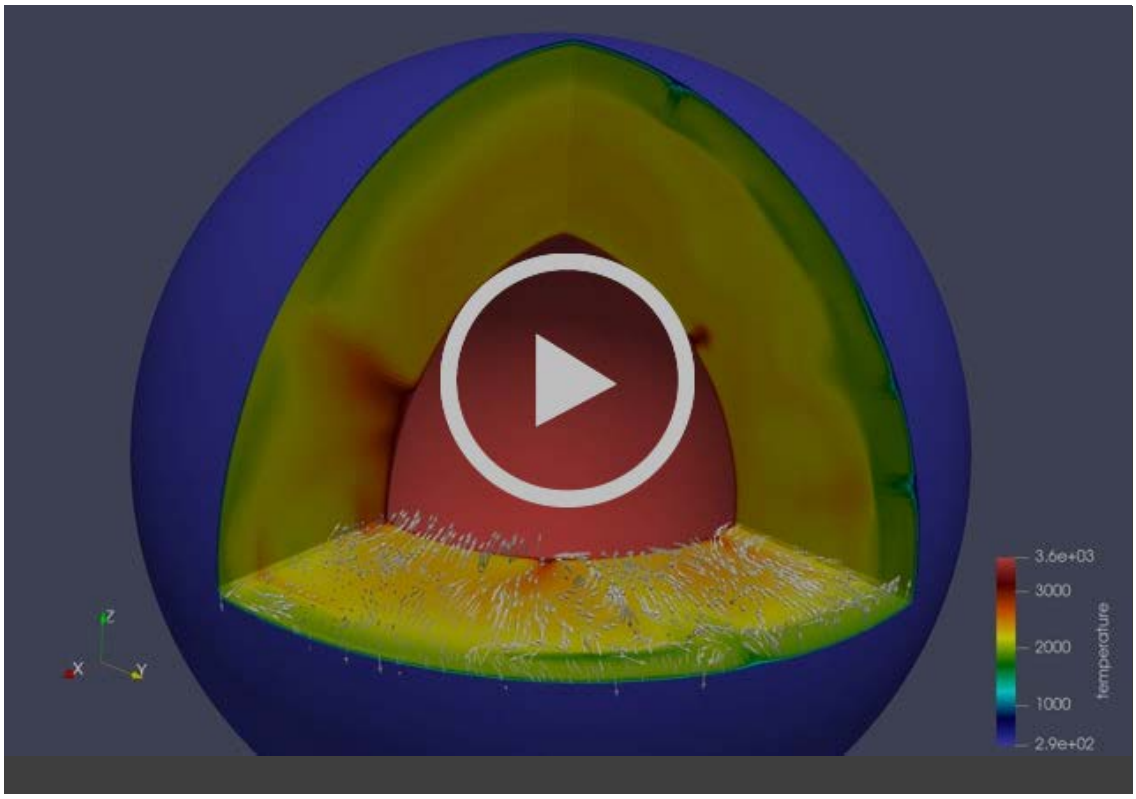
The 2021 dataset theme is "Earth's Mantle Convection" but you do not need a background in that field of research in order to participate. Visit the contest website for full dataset details, contest tasks, and submission instructions.

Questions?

All contest communications will be hosted via a Google group. To post and read messages, please email Alex Razoumov to be added to the group.

Data

The data for this year's contest is courtesy of the Pysklywec Lab (Russell Pysklywec and Hosein Shahnas) at the University of Toronto. The simulations featured below were conducted using the Niagara cluster at the University of Toronto, one of five national host sites within Canada's national ARC platform.



Need visualization support? We can help.

Did you know our visualization experts are working closely with 40 different research teams and more than 165 individual researchers to support their data visualization needs?

Using our resources and technical expert help, you can easily convert the results of your numerical simulations or your experimental data into engaging images or movies to share with colleagues, showcase

online, or enhance a publication.

To access Compute Canada Federation resources and services, all you need to do is register for a free account.

Got a visualization challenge for our experts to take on? Email us.