



## **Compute Canada awards more than \$71 million in advanced computing competition to support world-class innovation and research**

*Spanning nearly every aspect of society — from designing new jet airplanes to treating diseases — advanced research computing is the backbone for research, discovery and innovation. Compute Canada supports world-class research, ranging from answering the profound questions of the universe to designing better automobiles.*

### **FOR IMMEDIATE RELEASE**

**Ottawa, ON (December 2nd, 2014)**

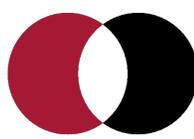
Mr. Mark Dietrich, President and CEO of Compute Canada, Canada's national advanced research computing platform, today announced the allocation of more than \$71 million worth of advanced research computing and storage capacity to over 300 research projects, across the country.

These allocations, resulting from Compute Canada's most recent Resource Allocation Competition (RAC) and the new Research Platforms and Portals Competition (RPP), were announced as part of a Parliament Hill event highlighting the importance of advanced research computing and celebrating the successes of Canadian researchers.

Hosted by the Honourable Andrew Scheer, Speaker of the House of Commons, the event gathered many parliamentarians, including the Honourable Senator Kelvin Kenneth Ogilvie, the Honourable Ed Holder, Minister of State (Science and Technology), government officials and representatives of the research and innovation community.

The value of the resources awarded through the RAC is more than \$66 million and more than \$5 million through the RPP competition. These allocations include more than 124,000 core-years of computational power and 15.5 petabytes (15.5 quadrillion bytes) of data storage on Compute Canada's advanced research computing systems. This storage capacity represents the equivalent to more than 300 million four-drawer filing cabinets filled with text.

"All Canadians will benefit from today's announcement," says Dugan O'Neil, Chief Science Officer for Compute Canada. "Advanced research computing is at the heart of many recent scientific breakthroughs, such as the mapping of the human genome and the experimental discovery of the Higgs boson. It allows researchers to detect and treat diseases such as cancer and Alzheimer's, to understand how the human brain works and



to forecast adverse weather events. These are the kinds of breakthroughs that in many cases simply wouldn't be possible without Compute Canada's resources."

"The importance of today's announcement is twofold, and goes beyond the dollar value attached to it," says Mr. Dietrich. "Thanks to our digital infrastructure and the 200 Compute Canada experts across the country, researchers are making discoveries that help us to better understand the world we live in, and to improve it. Their discoveries also help create highly specialized jobs and opportunities for commercialization. These developments drive our economy."

The Resource Allocation Competition is managed by Compute Canada. It allocates high-performance computing and long-term storage capacity each year to research projects from all areas of science — from humanities to engineering.

### **About Compute Canada**

Compute Canada is Canada's national advanced research computing resource, an essential component of Canada's digital infrastructure.

Compute Canada accelerates discovery and innovation for more than 2,500 research teams and more than 10,000 users.

Compute Canada provides computing and data management services to all Canadian academic researchers and their international and industrial partners. Research teams compete for resources based on scientific excellence.

Compute Canada's 200 experts work directly with researchers and their industrial and international partners at more than 35 research institutions across Canada.

Compute Canada's national platform integrates resources from four regional partners: ACEnet, Calcul Québec, Compute Ontario and WestGrid.

Compute Canada is funded through the Major Science Initiatives program of the Canada Foundation for Innovation.

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