

More than **10,000** ways to make Canadian research world-class

That's how many investments the Canada Foundation for Innovation has made in cutting-edge research tools and facilities since it began in 1997. The results have been downright transformative. Here's a look at how.



A MAJOR BOOST FOR CANADIAN RESEARCH

A bold vision and support from the Government of Canada

\$7.6 billion invested, including **\$1.9 billion** to operate and maintain research tools and facilities



A strong commitment from the provinces, private sector and others to collaborate

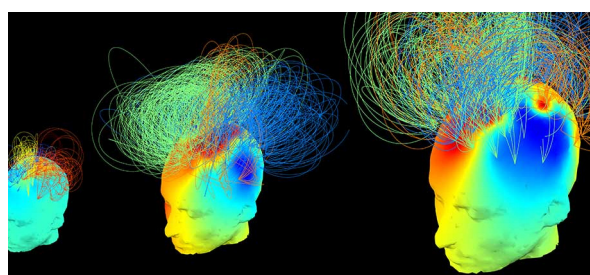
\$10.7 billion more in matching funds from partners



A never-before-seen capacity for research in Canada

\$18.3 billion in state-of-the-art research tools and spaces since 1997

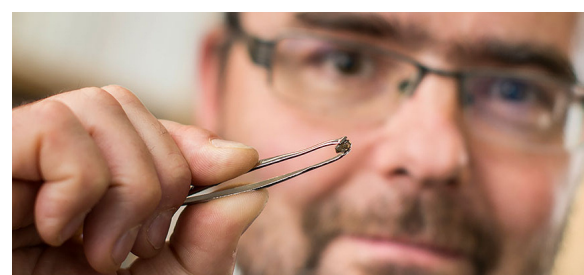
THOUSANDS OF REMARKABLE ENDEAVOURS



Researchers at Western University can communicate with patients in a vegetative state by asking them to imagine playing tennis to answer "yes" to a question, and then measuring the electrical activity in their brain.



A radio telescope in B.C.'s Okanagan Valley is mapping the greatest ever volume of the universe to, among other things, measure how it has expanded and contracted over time.

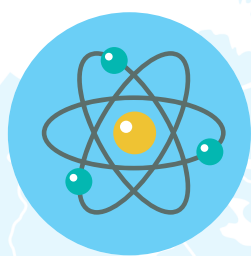


Scientists at the University of Alberta discovered a mineral inclusion inside a diamond that proved vast quantities of water are trapped up to 660 kilometres beneath the Earth's crust.

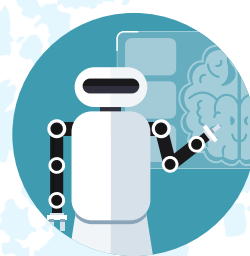
ADVANCING RESEARCH IN ALL AREAS



HEALTH
4,320 projects
\$2.8 billion invested



SCIENCES
2,080 projects
\$1.7 billion invested



ENGINEERING
2,063 projects
\$1.2 billion invested



ENVIRONMENT
952 projects
\$346 million invested



SOCIAL SCIENCES AND HUMANITIES
666 projects
\$146 million invested

INVESTING IN EVERY PROVINCE

British Columbia
1,277 projects
\$1.1 billion

Alberta
886 projects
\$636 million

Saskatchewan
350 projects
\$351 million

Manitoba
325 projects
\$126 million

Ontario
3,768 projects
\$3.4 billion

Quebec
2,628 projects
\$1.8 billion

New Brunswick
193 projects
\$40 million

Prince Edward Island
33 projects
\$12.3 million

Nova Scotia
463 projects
\$166 million

Newfoundland and Labrador
158 projects
\$86 million

APPLICATIONS THAT BENEFIT CANADIANS, INCLUDING ...



Renewable energy sources
98 projects
\$33 million



Biomedical engineering and medicines
674 projects
\$358 million



Protection of the atmosphere and climate
61 projects
\$40 million

Software development
166 projects
\$50 million



Aerospace equipment manufacturing and repair
50 projects
\$23 million

Increasing economic efficiency
63 projects
\$47 million



Seas and oceans
113 projects
\$204 million

Agriculture
328 projects
\$130 million



Social structures and relationships
88 projects
\$28 million

Telecommunication systems
244 projects
\$107 million



By investing in state-of-the-art facilities and equipment in Canada's universities, colleges, research hospitals and non-profit research institutions, **the CFI gives researchers the tools they need to think big and innovate.**

Data reflect funding amounts approved by the CFI Board of Directors up to the June 2017 Board meeting. Values for areas of research do not include infrastructure operating funds. Photos left to right: Srivas Chennu/Universities of Kent and Cambridge; CHIME/Andre Renard, Dunlap Institute, University of Toronto; University of Alberta.