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

\$7.7 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

\$18.4 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



AND HUMANITIES 666 projects \$146 million invested

SOCIAL SCIENCES

INVESTING IN EVERY PROVINCE

1,277 projects \$1.1 billion		
Quebec	3	

Quebec	
2,628 projects	
\$1.8 billion	

Alberta 886 projects

\$636 million

New Brunswick 193 projects \$40 million

Saskatchewan 350 projects

\$351 million

Prince Edward Island 33 projects **\$12.3** million

Manitoba 325 projects

\$126 million

Nova Scotia 463 projects \$166 million

Ontario

3,768 projects \$3.4 billion

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.

