

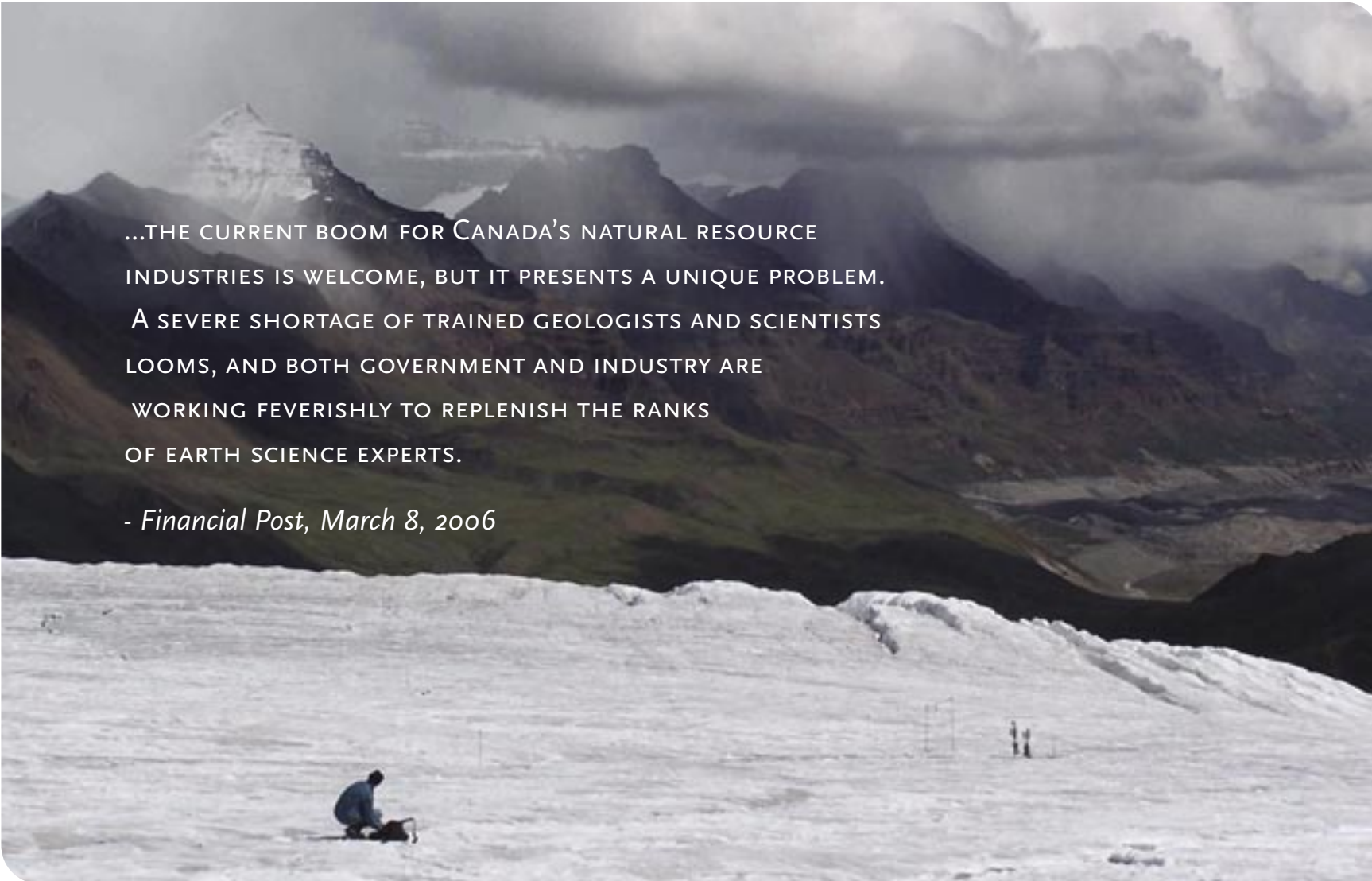
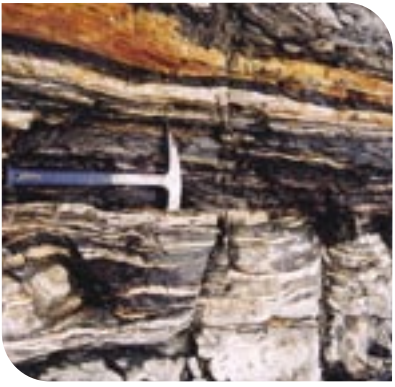


EARTH SYSTEMS SCIENCE BUILDING

Unearthing the possibilities

Faculty of Science
The University of British Columbia





...THE CURRENT BOOM FOR CANADA'S NATURAL RESOURCE INDUSTRIES IS WELCOME, BUT IT PRESENTS A UNIQUE PROBLEM. A SEVERE SHORTAGE OF TRAINED GEOLOGISTS AND SCIENTISTS LOOMS, AND BOTH GOVERNMENT AND INDUSTRY ARE WORKING FEVERISHLY TO REPLENISH THE RANKS OF EARTH SCIENCE EXPERTS.

- *Financial Post*, March 8, 2006

UNDERSTANDING OUR PLANET THROUGH SCIENCE

The University of British Columbia has a history of leadership in advancing the earth, ocean and atmospheric sciences—and in graduating world-class scientists who find career success in the natural resource industries.

The Department of Earth and Ocean Sciences (EOS) brings together a dynamic, diverse group of scientists dedicated to understanding how the earth works. From studying the planet's beginnings to unearthing current and future environmental trends, our faculty and students have a unique opportunity to study, to discover, and to specialize in all the major earth science disciplines.

But EOS has outgrown its 30-year-old facilities. Our students require physical space for learning and connecting with their peers. Our researchers need dedicated laboratory space to collaborate and investigate the challenges facing our planet. With growing industry demand for skilled graduates, we need the facilities to educate the next generation of top earth scientists.

The Faculty of Science is seeking \$32.5 million in individual and corporate support to build the new Earth Systems Science Building at UBC.



ABOUT EARTH AND OCEAN SCIENCES

From research to teaching, UBC leads Canadian institutions in the study and understanding of the earth—EOS is the largest, most productive and most competitive earth sciences department in the country. EOS has formed strong partnerships with resource industries and professional communities.

Led by an interdisciplinary group of scientists and educators, Earth and Ocean Sciences was created ten years ago by integrating Geological Sciences, Oceanography, Geophysics, Atmospheric and Environmental Sciences into a single, focused department. Faculty members are recognized leaders in their fields, conducting research that encompasses every continent and most of the world's oceans. UBC earth scientists take an integrated approach to understanding how humanity impacts our planet. Our collective expertise makes us uniquely positioned to advance solutions for complex problems of climate change, the environment and sustainability.

THE RECENT GROWTH IN THE MINING AND OIL INDUSTRIES, COUPLED WITH THE DEMOGRAPHIC BUBBLE THAT IS NEARING RETIREMENT, MEANS THAT THERE IS INCREDIBLE OPPORTUNITY FOR GEOLOGISTS AND SKILLED TRADES.

Patricia Dillon, President, Prospectors and Developers Association of Canada

INDUSTRY DEMAND FOR EARTH SCIENCE GRADUATES

Vancouver is the world capital for mineral exploration—UBC-educated geologists are key figures in the exploration industry. Earth and Ocean Sciences maintains strong ties with the mining and petroleum industries, including consulting firms and government labs, where many students find employment during the summer and after graduation.

But the current supply of trained geologists and scientists cannot keep pace with the demands of Canada's booming natural resource sector—80,000 new skilled workers will be required in Canada's mining and oil industries alone in the next 10-15 years.

Earth and Ocean Sciences is well-positioned to fill the demand—but we need help to create the expanded facilities and programs that will give UBC graduates a significant advantage in their careers.





Please contact the Faculty of Science to learn more about how you can help build the Earth Systems Science Building—and ensure the success of our graduates into the future.

GROWING PAINS

EOS has created a world-class community of researchers and earth science students, but through years of expansion our growth trajectory has far exceeded our capacity. We've run out of room.

Our primary facility, the EOS Main Building, was built in 1974 and houses many of our faculty members and their research labs. But EOS Main currently has only two dedicated teaching spaces—not nearly enough to meet the educational needs of our students: 300 major and honours students, 170 graduate students and more than 6,000 undergraduates.

To achieve our full potential as a world-calibre earth science research group and offer the best education to our students, we must provide a dynamic facility to respond to our evolving needs.

THE NEW EARTH SYSTEMS SCIENCE BUILDING WILL HELP THE UNIVERSITY EMBRACE NEW THINKING, INCORPORATE ADVANCED TECHNOLOGY AND DEVELOP UNIQUE PROGRAMS TO EDUCATE TOMORROW'S EARTH SCIENCES LEADERS.

*Simon M. Peacock,
Dean of the Faculty of Science*

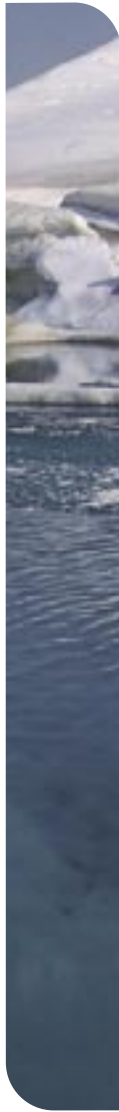
A NEW HOME: THE EARTH SYSTEMS SCIENCE BUILDING

The Faculty of Science is working with our community of donors to fund the new Earth Systems Science Building. We are seeking \$32.5 million in support to help construct the \$65 million facility.

The Earth Systems Science Building will incorporate the latest technologies to create a flexible learning environment—one that increases research capacity and promotes collaboration.

The new facility will include dedicated teaching spaces—classrooms, lecture halls, seminar rooms. It will feature high-tech research labs and quiet study spaces. The building will also include common areas to encourage students to interact and collaborate across disciplines.

An exceptional academic program requires an exceptional physical space—the Earth Systems Science Building will be a centre of discovery and learning that guarantees UBC's position as a global leader in the earth sciences.



Faculty of Science

The University of British Columbia

1505 - 6270 University Boulevard

Vancouver, BC V6T 1Z4

Tel: 604.822.8686

Faculty of Science
The University of British Columbia

