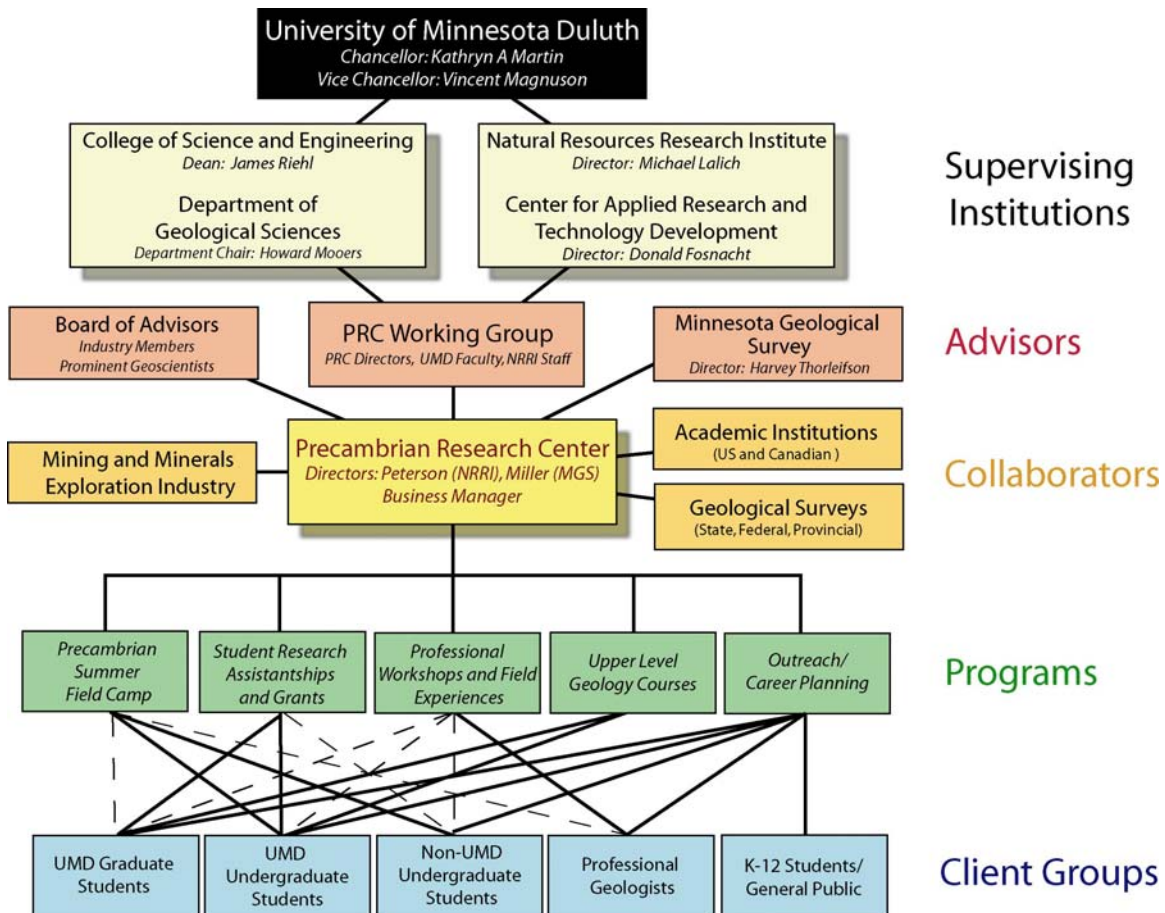


ORGANIZATIONAL STRUCTURE OF THE PRC

Nov. 2006

At its core, the Precambrian Research Center will be a research and teaching institute that is supervised by two University of Minnesota Duluth departments: the Department of Geological Sciences within the College of Science and Engineering and the Center for Applied Research and Technology Development at the Natural Resources Research Institute (NRRI). Over the past five decades, the geology department at UMD has established a global reputation for producing field-trained geologists, particularly familiar with Precambrian geology. UMD geology graduates populate many of the major exploration companies, academic institutions, and geologic surveys, commonly in disproportionate number. The NRRI's research activities focus on on collaborations and technology transfer between the public sector and private industries related to mineral, water, and biological resources. Its mission to promote sustainable development of Minnesota's natural resources in an environmentally responsible manner that leads to private sector employment also make it a good partner with the PRC and it's goal to promote public-private partnerships. The roles of these supervising institutions are distinct in that the business and financial elements of the PRC will be supervised and assisted by the CARTD-NRRI, whereas educational and student support elements will be supervised by the geology department.



Day-to day management of the PRC programs will be overseen by two co-directors - Dean Peterson of the NRRI and Jim Miller of the Minnesota Geological Survey, both adjuncts in the Department of Geological Sciences. Decisions about the scope and focus of PRC programs will benefit from input from several groups of advisors and collaborators. A regular source of advice and oversight will come from an ad hoc PRC working group of UMD faculty and NRRI staff, who have an interest in the PRC's mission and goals. The Minnesota Geological Survey will serve as source of counsel and assistance by 1) identifying Precambrian areas within the state in need of geologic mapping (critical to EDMAP funding), 2) providing staff to assist in PRC programs and mentor/advise PRC-sponsored students, and 3) serving as a vehicle for publishing and distributing PRC-generated maps and reports. A third, more formal source of advice will come from a Board of Advisors which will serve as a vehicle for communication and interaction between the PRC, academia, geological surveys, and the mineral industry.

The Board of Advisors will be composed of at least 10 permanent members. Two of these will be filled by the heads of the PRC's supervising institutions (CARTD-NRRI and Department of Geological Sciences) or their appointees. Three chairs will be filled by representatives from the Minnesota Geological Survey, the U.S. Geological Survey, and a Canadian survey (Canadian Geological Survey, Ontario Geological Survey or Manitoba Geological Survey). Three chairs will be filled by leading academics who are renown for their field-based research of Precambrian rocks. Two chairs will be filled by prominent geologists selected from the minerals exploration industry. Additional chairs will be created to accommodate industry members who have contributed to the PRC at the highest membership levels. In addition to being ambassadors for the PRC in the larger geological community, the board will provide fresh and objective viewpoints to the PRC on strategy, curriculum, funding opportunities, and research programs. Three preeminent geoscientists have agreed to form the initial core of the PRC Board of Advisors: Dr. James Franklin (formerly Chief Scientist of the Geological Survey of Canada), Dr. Anthony Naldrett (Emeritus Professor of Economic Geology at University of Toronto), and Dr. Odin Christensen (former Chief Geologist of Newmont Mining Corporation). The Board will meet annually, perhaps in conjunction with the Institute on Lake Superior Geology meetings in May or perhaps in July or August to allow the board members to observe and participate in the summer field camp.

The intellectual capital of the PRC will stem mainly from the many professional and academic collaborators who will be contracted for its various program components. These collaborators will be drawn from private industry, government surveys, and academia. An initial listing of field-experienced geoscientists and their host institutions from the Lake Superior region, who have expressed interest in being involved in PRC activities include:

UMD Department of Geological Sciences - Vicki Hansen, John Goodge, Howard Mooers, Ron Morton, Penny Morton, Christina Gallup, Nigel Watrus

CARTD-NRRI - Steven Hauck, Mark Severson, John Heine

MGS - Harvey Thorleifson, Mark Jirsa, Terry Boerboom, Val Chandler, Al Knaeble

U.S. Geological Survey - Randall Orndorff, Klaus Schulz, Laurel Woodruff, William Cannon
Manitoba Geological Survey - Alan Bailes, Rick Syme
Ontario Geological Survey – Gregg Stott, Mark Smyk
University of Minnesota Twin Cities – Calvin Alexander, Paul Morin
University of Minnesota Morris – Keith Brugger, Jamey Jones
University of Wisconsin-Oshkosh – George Hudak
Winona State University – Steven Allard
St. Norbert College (DePere, WI) – Tim Flood
St. Cloud State University – Kate Pound
St. Thomas University (St. Paul, MN) – Lisa Lamb, Tom Hickson
Macalester College – Karl Wirth, Jeff Thole
Gustavus Adolphus College (St. Peter, MN) – Jim Welsh
Oneota College (New York) – Tatiana Vislova
Kent State University – Daniel Holm

We expect to expand this list as the PRC grows.