

# 50 years of research at Laurentian University 1960-2010

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# 1960

- A Provincial Act gives a corporate structure to Laurentian University as a bilingual federation with representation from the Roman Catholic, United and Anglican Churches.
- Bachelor of Arts in Arts (littérature française, histoire, philosophie, économie, politique, biologie, chimie, physique, mathématiques, English, French, political economics, history, philosophy, chemistry, physics and mathematics)
- The divisions of Engineering, Business Administration and Nursing are created.
- Founding of Huntington University by the United Church.

# 1961

- Founding of Thorneloe University by the Synod of the Anglican Diocese of Algoma
- Establishment of the Centre for Continuing Education (CCE), offering off-campus courses and programs with classes in various Northern Ontario communities and distance education courses



# 1962

- The Department of Psychology is created.

# 1963

- Thorneloe University joins the Laurentian University Federation.
- Le Collège universitaire de Hearst affiliates with the university, following affiliation with the University of Sudbury in 1957.

# 1965

- Algoma University College in Sault Ste. Marie affiliates with Laurentian University.
- The experimental section of the Sudbury Cardio-Thoracic Foundation is created at the Laurentian campus.

# 1966

- Four year programs offered in French and in English
- Jean Havel, Political Sciences, publishes the first book by Laurentian University Press.

# 1967

- The Senate approved an “Institute of Astronomy”:  
“Our effort has become known and a few events took place, one of which is a request from NASA to take part in Optical Observing Program of the GEOS Satellite.”
- Founding of the schools of Nursing, Physical and Health Education, and Social Work



# 1968

- The School of Graduate Studies is established.

# 1969

- Institute of Fine Particle Research: Laurentian gets \$135,000 in Grants for Research from NRC, National Defence Research Board and the J.P. Bickell Foundation.
- Founding of the School of Commerce and Administration
- Master's degree program offered in Biology
- Master's degree program offered in Physics
- An animal facility is created.

# 1970

- The first International Conference on Precambrian life is sponsored by INCO and Falconbridge, it attracted nearly all the world specialists in the field (some 80 attended from North America, Europe, Australia).
- Master's degree programs offered in Chemistry, and Geology

# 1972

- The Geological Association of Canada annual meeting and field trips takes place at Laurentian University. The conference attracted close to a thousand scientists.
- The Graduate Council is created.
- The MA in English is offered.
- The MA History is created both in French and in English. This is the first Francophone graduate program at Laurentian.

# 1973

- A research fund of \$25,000 administered by the President to support research is created.

# 1974

- Founding of l'École des sciences de l'éducation
- Laurentian partners with the local community, industry and government, to launch a grassroots reclamation program to reverse the effects of emissions on lakes and forests.
- Laurentian University professors obtain \$1,250,000 from the National Research Council.

# 1975

- The Faculty of Arts and Science is restructured into Faculties of Humanities, Social Sciences and Science.
- The Faculty of Professional Schools is created.

# 1976

- The Institut franco-ontarien (IFO) is created by six professors interested in the franco-ontarian reality.

# 1977

- The late Keith Winterhalder, a biologist at Laurentian University, was determined to foster the re-growth of red and white pine in the Sudbury area. From his time in Wales, he remembered that lime powder could be used to neutralize the soil and reduce its acidity. His efforts and those of others helped to reclaim 100 km<sup>2</sup> of the Sudbury area landscape.
- A four year degree in mining engineering is offered.
- The Department of Law and Justice is created.

# 1978

- The Revue du Nouvel-Ontario is created.
- The newly formed Regional Municipality of Sudbury created the Vegetation Enhancement Technical Advisory Committee (VETAC). Between 1978 and 2007, the “Greening of Sudbury” saw 3,300 hectares (8,100 acres) limed and seeded, and more than 8.8 million trees and 43,427 shrubs planted. This is one of the largest re-greening efforts in the world. It has been estimated that a total of 15 million trees have been planted over the past 30 years by VETAC, the industry and the community.



# 1979

- Joseph Shorthouse receives a three year grant of \$60,000 to grow vegetables underground.

# 1980

- Appointment of Y. N. (Joe) Sadana, Chemistry, to the Natural Sciences and Engineering Research Council, first LU faculty to be appointed
- The School of Engineering and Faculty of Science join to form the Faculty of Science and Engineering.
- The Masters in Child and Human Development Studies (DEVE) is offered.

# 1981

- The Centre for Child and Human Development Studies receives a three year \$346,000 grant for a northeastern Ontario adolescent sexuality and family planning project.
- LU centre proposed for ore deposit research

# 1982

- LU science research boosted, i.e. NSERC grants doubled, to \$282,000; Engineering departments funded
- Creation of the Office of Contract Research, headed by Bob Jensen, Physical and Health Education, creating database of faculty expertise, and information on possible sources of funding, government and private

# 1983

- Start up of construction of an \$846,000 animal care facility: “First major Laurentian project since 1973”
- Sudbury, Timmins and Algoma Mineral Program (STAMP): the Geology Department managing a \$1.4 million mineral exploration program
- Offering of the MBA

# 1984

- LU gets \$30,000 for a feasibility study on a research and development centre
- Opening of new animal care facility named after Dr. Paul Field
- Creation of the Centre in Mining and Mineral Exploration Research (CIMMER) : \$1.5 million for a Mining Development and Mineral exploration centre at LU
- LU houses three unique museums in the Biology Dept: the Herbarium, the Insect Museum and the Vertebrate Museum.
- The Sudbury Neutrino Observatory (SNO) collaboration holds its first meeting.

# 1985

- Innovation North: Laurentian and Lakehead submitted joint proposal to the province on its creation.
- \$368,000 grant over three years from Health and Welfare Canada for the Native Social Work project (Alcoze, Mawhiney and Schwager)

# 1986

- Creation of the Laurentian University Research Fund (LURF)
- The School of Graduate Studies and Research is created and a Director is named.
- LU establishes Research Excellence Award
- Senate approved a report from the Committee for the Ethical Review of Research Involving Human Subjects
- UN Interregional Seminar hosted by CIMMER
- Biochemistry added to Chemistry
- SNO: LU physicists involved in SNO project

# 1987

- Peter Kaiser appointed to Chair of Rock Mechanics and Ground Control (supported by a provincial grant of \$1 million)
- Senate approved the creation of a Centre for Research and Human Development
- Senate approves IFO as a university research centre to promote Franco-Ontarian research; Minister of Cultural and Municipal Affairs, Lily Munro, announces grant of \$250,000 to IFO for the Dictionnaire des Écrits de l'Ontario français.

# 1987

- Senate approves the creation of the Institute of Northern Ontario Research and Development (INORD).
- Opening of the Université canadienne en France
- New master's programs are created (Engineering, Service social, Humanities and Sociologie).
- Research Excellence Award given to Paul Copper, Earth Science

# 1988

- Senate voted to recognize CIMMER as a research centre whose mission is “To establish a centre of excellence for research and development and consulting, to benefit the Canadian hardrock mining industry.”
- Official opening of SNO on May 29 (visit by Stephen Hawking)
- Masters in mining engineering
- Program of Native Human Services
- Research Excellence Award given to Bruce Ward, Religious Studies

# 1989

- A new revised set of procedures for centers and institutes is proposed and approved by Senate.
- Cooperative Fisheries Unit/Cooperative Freshwater Ecology Unit headed by John Gunn; Gunn reports that Sudbury lakes are beginning to recover from acid rain
- NSERC allocates \$15 million to SNO; Provincial announcement of funding for SNO; Neutrino observatory gets \$18 million from the Canadian government
- Inauguration of the J. N. Desmarais Library tower
- Research Excellence Award given to Michael Persinger, Psychology

# 1990

- The excavation of the underground facility for SNO begins.
- Peregrine Falcon Release Project with partners Laurentian University, Ministry of Natural Resources, Xstrata (Falconbridge Ltd.), and Noranda Inc. First reintroduction of an endangered species to the Sudbury District
- Research Excellence Award given to Brian H. Kaye, Physics

# 1991

- LU and Lakehead receive \$2 million in funding from the Ontario Ministry of Health for a study on recruitment and retention of health professionals in Northern Ontario
- The Elliot Lake Research Field Station (ELRFS) obtains a n the \$3 million grant from the Ministry of Northern Development and Mines.
- Creation of the Geomechanics Research Centre (GRC)
- INORD: Elliot Lake Tracking Study gets funding, \$131,599, for Phase 2
- Laurentian and Lakehead receive \$400,000/yr for five years from the Ministry of Health for a joint research project entitled “Northern Health Human Resources Research Unit.”
- Research Excellence Award given to Getrud Lewis, Modern Language

# 1992

- LU receives over \$1 million for field station(ELFRS)
- Appointment of Ray Pong as Director of the Northern Health Human Resources Research Unit (later CRaNHR) which is funded for three years by the provincial government
- SNO Operations Building opens
- The rehabilitation program wins a local Government Honours Award by the United Nations at the Rio de Janeiro Earth Summit in 1992.
- The Master of Social Work is offered.
- Research Excellence Award given to Joseph Shorthouse, Biology

# 1993

- SNO: excavation phase now complete; construction contracts awarded
- Start of new Midwifery Education Program, offered jointly by Laurentian, McMaster and Ryerson universities.
- Creation of the Laurentian University Mining Automation Laboratory (LUMAL): School of Engineering and INCO
- Research Excellence Award given to Peter Kaiser, Engineering

# 1994

- Senate approved the creation of an ad-hoc committee on Integrity in Research and Scholarship to “develop a policy on integrity and the ownership of intellectual property involved in scholarly and scientific research.”
- INORD: Senate congratulated those responsible for gaining a \$2.038 million grant from Human Resources; Development Canada to continue the Elliot Lake Tracking Study for the next three years
- Creation of the MA in Sociology
- Creation of the Masters in Orthophonie offered jointly with the University of Ottawa (until 2000)
- Research Excellence Award given to John Lewko, Human Development

# 1995

- The Business Research and Group (SBRG) is created.
- Policy calling for the pursuit of excellence but also for accountability, social responsibility, and the respect for the dignity of persons
- Creation of Reflets, an Ontarian journal on social intervention and community

# 1995

- Establishment of the joint LU-Ontario Geology Survey Mapping School,
- LU receives \$3.4 million in funding from the Canadian International Development Agency to create a full-service distance education and off-campus operation at the South West Institute of Technology (China)
- Aaron Marsaw, a student of Philosophy and Political Science, becomes Laurentian's first Rhodes Scholar.
- Research Excellence Award given to Robert Jensen, School of Human Movement (now School of Human Kinetics)

# 1996

- Paul Copper became the first faculty member ever elected to the Royal Society of Canada
- Offering of the MA in Humanities: Interpretation and Values
- Research Excellence Award given to Simon Laflamme, Sociology

# 1997

- Proposal for the creation of MERC
- LU receive \$ 2,030,000 for the Elliot Lake Adjustment Study from Human Resources Development Canada (Dave Robinson, Derek Wilkinson, David Leadbeater, Monica Neitzert, Elaine Porter and Anne-Marie Mawhiney)
- Peter Kaiser put in charge of developing a proposal for a research institute on mining (MIRARCO)
- Northern Health Human Resources Research Unit adopts a new name, the Centre for Rural and Northern Health Research (CRaNHR), to reflect a much broader research mandate.

# 1997

- School of Human Kinetics hosts its first annual conference (first called Kinesiology Conference)
- The university co-hosts the 28th International Physics Olympiad, attracting some 500 participants from 58 nations.
- Research Excellence Award given to Douglas Parker, English

# 1998

- Chair in Cancer Research
- Tri-Council policy Statement is adopted.
- Michael Lesher appointed to an Industrial Research Chair in Mineral Exploration (NSERC funded, \$2.3 million).
- The Institute of Innovation, Learning and Technology is created by Jean Watters.
- MIRARCO receives \$2.25 million from the Ontario Challenge Fund.

# 1998

- NEUREKA receives \$900,000 from NOHFC.
- Northern Health Resource and Development Network (headed by Geoff Tesson)
- SNO to hold official opening ceremonies
- Establishment of the Department of Earth Sciences Applied MSc program
- Research Excellence Award given to Gustavo Arteca, Chemistry and Biochemistry

# 1999

- Tri-Council policy is adopted (Senate)
- SNO Experiment begins data taking.
- Opening of the Sun Microsystems Computer Lab

# 2000

- Jean Watters announces that Laurentian would receive seven Canada Research Chairs.
- The Centre for Environmental Monitoring (CEM) opens.
- Senate approves the “Policy and Procedures for the Ethics of Human Research at Laurentian University.”
- The LU Strategic Research Plan is approved
- Mayor Gordon to proclaim research Awareness Week

# 2000

- \$1.5 million is given for a Cancer Chair
- Centre for Integrated Monitoring Technology (CIMTec): Ontario Innovation Trust grant of \$1.92 million to establish this, a joint project between LU and MIRARCO
- LU hosts the international Neutrino 2000 conference; first neutrino observations
- The university restructures to form three faculties: Social Sciences and Humanities, Sciences and Engineering, and Professional Schools.
- Research Excellence Award given to Bernadette Schell, Commerce and Administration

# 2001

- The R. S. McLaughlin Foundation gives \$1 million for a cancer chair.
- CIMTec opens unique Virtual Reality Laboratory
- MERC to administer \$8 million from the provincial government Mineral Exploration Research Funding Program
- The Institute of Sport Marketing (ISM) is created.
- Un partenariat avec le Collège Georgian est établi.
- CRaNHR entreprend une enquête auprès de 28.000 médecins canadiens pour le collège des médecins de famille du Canada.

# 2001

- SNO: Major neutrino discoveries
- The Province of Ontario announces support for the establishment of a medical school at Laurentian and Lakehead universities.
- Canada Research Chair (Tier I) in Robotics and Mine Automation awarded to Greg Baiden, Engineering
- Canada Research Chair (Tier I) in Biophysical Computational Chemistry awarded to Gustavo Arteca, Chemistry and Biochemistry
- Canada Research Chair (Tier II) in Biocomplexity of the Environment awarded to Madhur Anand, Biology

# 2002

- The federal government gives LU \$1.157 million to help with indirect costs of federally sponsored research.
- The Canada Foundation for Innovation announces funding for SNOLAB.

# 2003

- LU and Sudbury & District Health Unit launch a joint funding initiative.
- Hosting the international conference “Sudbury 2003: Mining and the Environment”
- Ontario is giving \$9.3 million for new SNOLAB surface building.
- The School of Education opens.
- The Masters of Nursing is offered.

# 2003

- The first doctoral program is created at Laurentian: a Ph.D. in Mineral Deposits and Precambrian Geology.
- Research Excellence Award given to Yves Alarie, Biology
- Canada Research Chair (Tier I) in Stressed Aquatic Systems awarded to John Gunn, Biology
- Canada Research Chair (Tier II) in Biomolecular Sciences awarded to Aseem Kumar, Chemistry and Biochemistry

# 2004

- Senate approves a revised LU Strategic Research Plan
- LU gets a Research Capacity Development grant (\$1.5 million) from NSERC.
- The position of Associate Vice-President Research is created to head the Research, Development and Creativity Office.
- The Research Council is created.
- Offering of the PhD in Biomolecular Sciences
- Offering of the PhD in natural resources engineering
- The online MBA is offered.

# 2004

- The Department of Forensic sciences is created.
- LU Herbarium joins with Nipissing, Algoma and ROM to create a Northern Ontario plant database.
- Construction of new SNOLAB surface facility begins. Excavation of the underground SNOLAB expansion begins.
- NOSM: Construction on both campuses begins
- Research Excellence Award given to Luis Radford, École des sciences de l'éducation

# 2005

- LU joins SHARCNET .
- The Director of the School of Graduate Studies becomes the Dean, School of Graduate Studies.
- The Research Council is renamed Research, Development and Creativity Council.
- Offering of the PhD in Boreal Ecology
- The Graduate Diploma in Science Communication is offered.
- Occupancy of new SNOLAB surface facility.
- The Productivity Enhancement and Risk Management (PERM) is a \$24 million funded project by MIRARCO.
- The Planning and Rapid Integrated Mine Optimization (PRIMO) is a \$10 million funded project by MIRARCO.

# 2005

- NOSM starts offering its programs
- Laurentian establishes a Faculty of Management to house the School of Commerce and Administration as well as the School of Sports Administration.
- Canada Research Chair (Tier II) in Rural and Northern Children's Health awarded to Nancy Young, School of Northern and Rural Health
- Canada Research Chair (Tier I) in Precambrian Geology awarded to Balz Kamber, Earth Sciences

# 2006

- SNO Experiment stops taking data. PICASSO-32 experiment begins commissioning underground construction.
- Offering of the PhD in Northern and Rural Health
- Centre for Excellence in Mining Innovation (CEMI): the initial seed funding is provided by Vale Inco (\$5 million), Xstrata (\$5 million), the Ontario Government (\$10 million) and the City of Greater Sudbury (\$50,000).
- Research Excellence Award given to Gary Kinsman, Sociology

# 2007

- Excavation of SNOLAB Phase I complete, outfitting of Phase I begins. Excavation of SNOLAB Phase II (Cryopit) begins. DEAP-1 experiment begins commissioning underground.
- Offering of the PhD in sciences humaines/Human Studies
- Offering of the Master of Psychology
- Research Excellence Award given to Henri Pallard, Law and Justice

# 2008

- Dr. Ryan Mailloux (Biomolecular Sciences) is the first PhD graduate of Laurentian.
- Creation of the Centre for Research in Occupational Safety and Health (CROSH)
- Creation of the Centre for Research in Social Justice and Policy (CRSIP)
- Offering of the Master of Human Kinetics program
- Research Excellence Award given to Belaïd Aouni, Commerce

# 2009

- The position of Vice-President, Research and Graduate Studies created
- Offering of the MSc in Computational Sciences
- The Canada Research Chairs of John Gunn and Nancy Young are renewed
- Canada Research Chair (Tier II) in Genomics and Bioinformatics awarded to Thomas Merritt, Chemistry and Biochemistry

# 2010

- First LU SSHRC CURA grant (\$1 million over five years) by a team led by Carol Kauppi
- First license by Laurentian: LU licenses a breast cancer treatment management tool discovered by Amadeo Parissenti made the discovery with his research associate Baoqing Guo of the Sudbury Regional Hospital.
- The “Dictionnaire des Écrits de l'Ontario français” edited by Gaétan Gervais and Jean-Pierre Pichette is published.
- Offering of the PhD in Materials Science
- Rio Tinto announces new global Centre for Underground Mine Construction in Canada based at CEMI.
- Canada Research Chair (Tier II) in Particle Astrophysics awarded to Christine Kraus, Physics

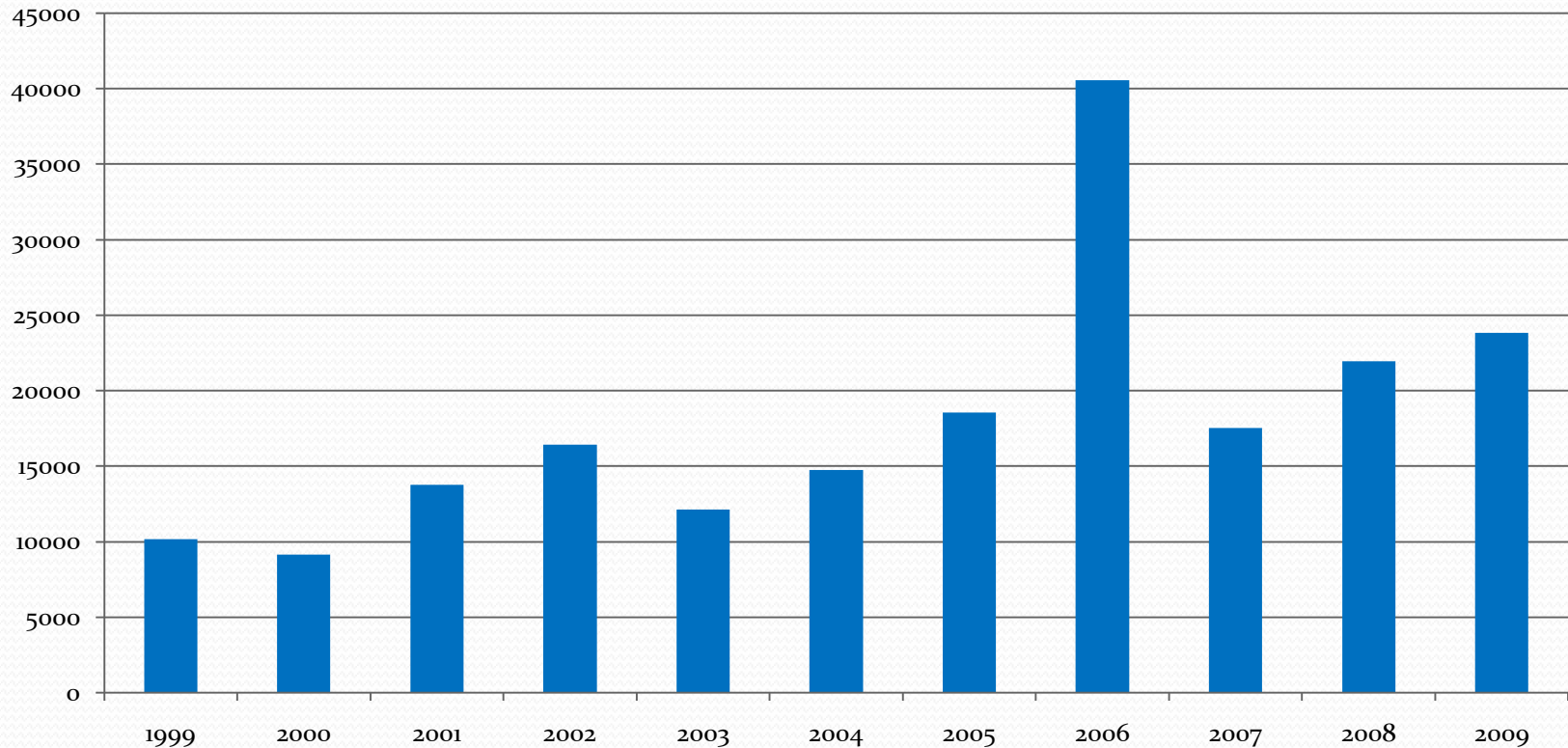
# 2011

- A Director of Graduate Studies position is created.
- A Director of Research position is created.
- The Vale Living with Lakes Centre is completed.
- NSERC Industrial Chair in Geophysics exploration awarded to Richard Smith.
- Canada Research Chair (Tier II) in Multicultural Sport and Physical Activity awarded to Robert Schinke, Human Kinetics
- Canada Research Chair (Tier II) in Applied Evolutionary Ecology awarded to Albrecht Schulte-Hostedde, Biology
- Canada Research Chair (Tier II) in Polymer Nanomaterials awarded to Zhibin Ye, Engineering

# According to Re\$earch Inforsource

<http://www.researchinfosource.com>

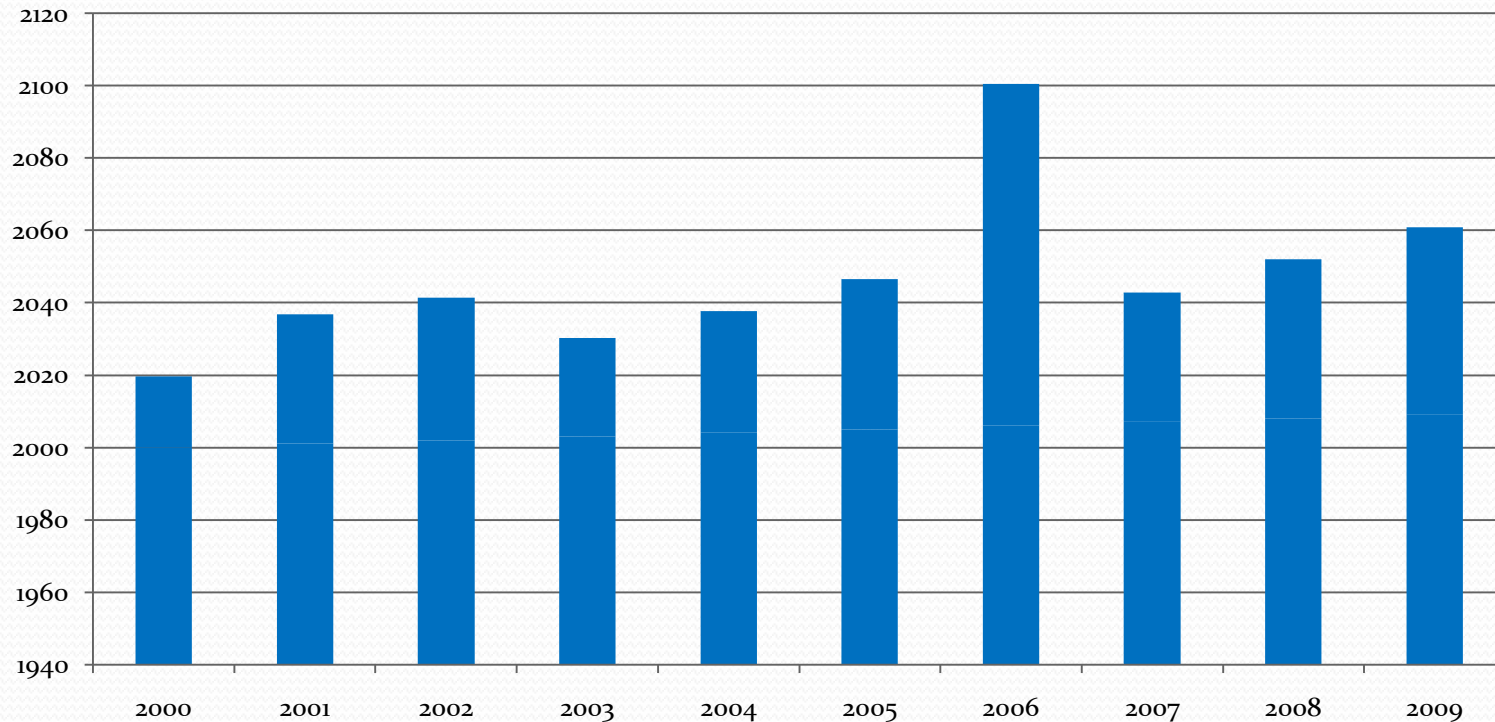
**Total research funding in thousands**



# According to Re\$earch Inforsource

<http://www.researchinfosource.com>

**Research funding per faculty member in thousands**



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- Laurentian University Gazette
- Laurentian University Press Releases
- Sudbury Star
- Northern Life
- Senate minutes
- Board of Governors Minutes

# And apologies to...

- Those whose research accomplishments are not adequately represented here.
- This presentation will be placed in LUZONE shortly. You will find the link on the page [www.rdc.laurentian.ca](http://www.rdc.laurentian.ca).

Your comments are welcome !