

GEOIDE Network

About GEOIDE Inc.

GEOIDE has been funded by the Networks of Centres of Excellence program (NCE) since 1999. GEOIDE brings together many of the country's leading experts from universities, industry and government agencies to conduct world-class research to enhance the lives of Canadians. In addition, GEOIDE promotes international collaborations with similar organizations worldwide.

Its Mission

GEOIDE distinguishes itself as a world-class research programs manager in the field of geomatics. It delivers a strong network and a unique multi-disciplinary research partnership to government, industry and philanthropic leaders. GEOIDE's operations generate substantial benefits to society and the economy.

What is Geomatics?

- Geomatics is the discipline of collecting, processing, analyzing, interpreting and using geographic information.
- Many disciplines are comprised within geomatics including: **geodesy** (precise measurements of Earth); **photogrammetry** (measurements taken from airborne photographs); **remote sensing** (measurements taken from satellite images); **satellite positioning** (to locate objects or phenomena on Earth); **cartography** (maps); and **geographical information systems** (to store, visualize and analyze spatial data).
- Geomatics is increasingly present in various sectors of the economy. In fact, it can be applied to all activities that involve geographic positioning and therefore can be located on the Earth. For example, dispatching of emergency vehicles (ambulances), recreational boating and marine operations, retail commerce, disaster relief operations and cellular telephones.

GEOIDE Network in brief (since 1999)

Number of projects	121
Total investments	\$C 79.3 M

Financial contribution

GEOIDE	\$C 40.8 M
Cash	\$C 16.0 M
In-kind	\$C 22.5 M

Human Resources

Researchers	395
Students	1 437

Knowledge transfer

Peer-reviewed articles	2 675
Other publications	2 070
Patent granted	20
Licenses obtained	31

Partners

534	
Institutions	146
Provincial / Federal affiliates	95
Industry affiliates	174
Other affiliates	119

Summer School (since 2002)

Students	383
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GEOIDE Activities

- Research
- Funding
- Training
- Networking

Research Themes

Current

SOME FACTS

The Canadian geomatics industry is a driving force of advanced technology, products and services that improve the productivity and competitiveness of many sectors of the Canadian economy.

The geomatics industry employs about 23,000 highly-skilled specialists in slightly over 2,100 businesses; the industry generates approximately \$2.8 billion dollars per year, and is responsible for \$450 million of export revenue and \$100 million annually in R&D (GIAC, 2010)

Themes	Description
Mobility	Tracking and predicting the motion of people, animals and objects
Environmental Change	Modeling changes in the earth system, fast or slow and their economic and health impacts
Distributed Sensors	Advanced technology to measure the environment and to deliver innovative information services to users
Canadian North	Solutions for sustainable development and territorial sovereignty in Canadian North
Sustainable Urban Development	Solutions to envision and develop harmonious and sustainable cities

GEOIDE team gives you the insight and support you need with:

- PhD
- Master
- Bachelor

Multilingual (English / French / Spanish / Persian)

It is a multicultural and multidisciplinary organization with 4 nationalities that bring multiple solutions to any problem or issue.

GEOIDE team works toward encouraging innovation, knowledge and collaboration.

**Nicholas Chrisman, Ph.D.,
President & Scientific Director**

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