

The Canadian Geoscience Education Network: a collaborative grassroots effort to support geoscience education

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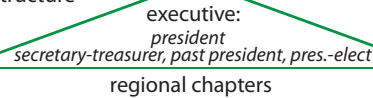
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guiding principles:

- As the outreach and education arm of the Canadian Federation of Earth Sciences (CFES), CGEN's mandate is threefold:
 - promote the teaching of the earth sciences at all levels of school and university;
 - encourage the continuing education of earth scientists with respect to earth science outreach and K-12 education; and
 - stimulate activities aimed at increasing the general public's appreciation and understanding of the earth sciences and, more broadly, of our planet.
- CGEN will work to coordinate the efforts of the Canadian earth science community in these matters by providing leadership for core national activities and a forum for information exchange and networking amongst Canadian groups working in earth science education, with the goal of maximizing synergies and minimizing duplication of effort across the country.
- CGEN will act as a forum for discussion of matters related to earth science education policies and practices in Canada.
- CGEN will liaise with similar bodies in other countries as appropriate.

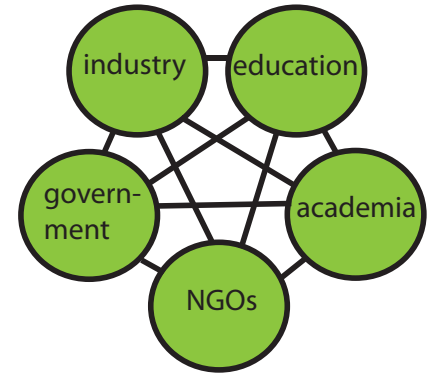
organization:

- little administration, tiny budget
- most members are active with outreach in their communities
- two pages "terms of reference" define guiding principles (see left side) and structure



network:

- currently 325 members from across Canada
- membership is open to anyone concerned with earth science, and it is free



just enough to foster

centers on

builds

communication:

- contact via email (regular news broadcast)
- annual meeting in conjunction Geol. Assoc. of Canada meeting
- regional chapters (can address issues like provincial curriculum)

promotes

our goals:

collaborate:

public outreach

- presentations, field trips, web guides, by member groups across Canada



fieldtrip to Gatineau stromatolites near Ottawa



rock melting experiment
Science Rendezvous Toronto

workshops

- for teachers and students



teacher workshop, Joint Assembly student workshop, PDAC convention

create resources:

EdGEO

www.edgeo.org/

- supports local workshops for teachers up to CAD 3,000.-
- since 1998 has reached about 4000 teachers
- educational opportunities for teachers and, through them, their students
- hands-on sessions, often with field experience, and take-away resource package
- developing 12 lesson plans for earth science topics in physics, chemistry, biology, and math



encourage students:

careers website

www.earthsciencescanada.com/careers/

- new website to promote earth sciences to students and teachers
- interactive and animated
- up-to-date information



WHERE challenge

www.earthsciencescanada.com/where/

- competition for Canadian students 10-14
- identify non-renewable earth resource in an everyday object and describe where it comes from
- CGEN members promote event and judge entries



share and lobby:

What on Earth

www.whatonearth.org

- newsletter



Friends of Can. Geoheritage

http-server.carleton.ca/~jadonald/friends.html

- preservation of landscape, buildings,...

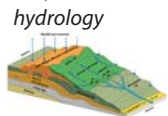
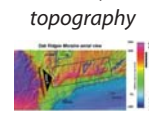
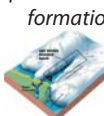


Church in Buckingham, Quebec built of glacial erratics

Geoscape

www.geoscape.nrcan.gc.ca/

- initiative by Natural Resources Canada
- posters & websites to explain geology and landscape
- example: Oak Ridges moraine (near Toronto)



to join CGEN send email to cgen@sympatico.ca with "Join CGEN" in the subject line

visit also:

U11B-0027. IYPE in Canada, J. Boyd & G. Nowlan