



CFES  FCST

Canadian Federation
of Earth Sciences

Fédération Canadienne
des sciences de la terre

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&

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Co-chair of IGC 2028 BDC & NOC

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CFES Strategic Objectives

Objective #1: **Provide a coordinating role**, common voice, and support for member organizations and the **earth science community in Canada**. As well as having more involvement of **Indigenous communities** in Canadian Earth Science

Objective #2: **Facilitate awareness of earth science**, earth science literacy, support for the geoscience community, the importance of **collaboration** between governmental organizations, academic institutions, and industry in **geoscience R&D**

Objective #3: **Represent and promote Canadian Earth Science** internationally and lead international collaboration with **geoscience organizations overseas**

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CFES Strategic Actions

- Greater international participation
- Promote collaboration with international geoscience bodies
- Attract representatives from Indigenous communities to participate in CFES activities
- Promote collaboration between public and private sectors in geoscience R&D

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CFES Executive Council




CFES Observer Organizations

Alliance of Natural History Museums of Canada ([ANHMC](#))
 Canadian Geological Foundation ([CGF](#))
 Canadian Association of Science Centres ([CASC](#))
 Geoscientists Canada ([GC](#))
 Geological Survey of Canada ([GSC](#))
 International Association for Promoting Geoethics ([AIPG](#))



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Canadian Geoscience Education Network (CGEN)

**Educational Outreach
and Public Engagement**


A Guidebook for Geoscience
Conference Organizing Committees



**Sensibilisation et
mobilisation du public**

Guide pour les comités organisateurs
de conférences sur les sciences de la Terre



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Geologist-in-Residence Program

August 14 – 27, 2024





**APGO
education
foundation**



Photo credit: Parks Canada

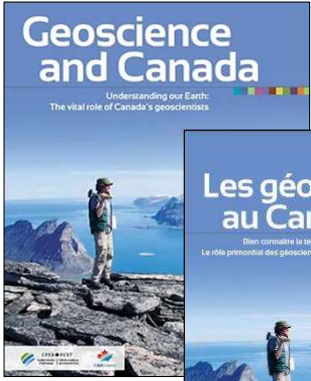
Geoscientists in Canadian National Parks
Geologist in Residence – Pukaskwa National Park

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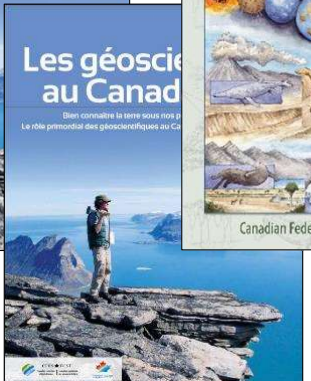


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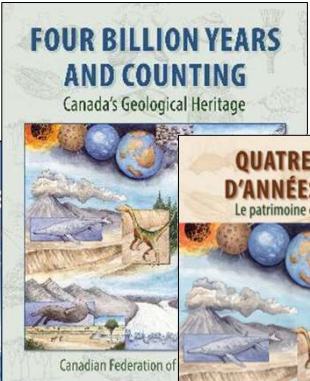
CFES Publications



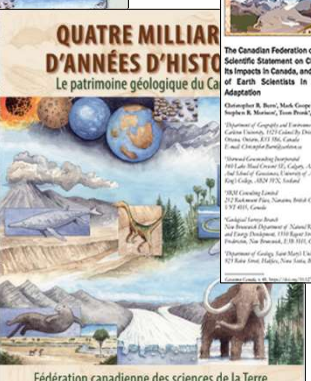
Geoscience and Canada
Understanding our Earth:
The vital role of Canada's geoscientists




Les géosciences au Canada
Bien connaître la terre sous nos pieds
La rôle primordial des géoscientifiques au Canada



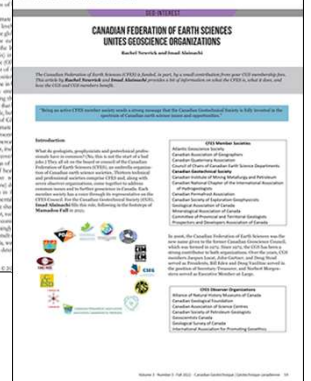
FOUR BILLION YEARS AND COUNTING
Canada's Geological Heritage



QUATRE MILLIARDS D'ANNÉES D'HISTOIRE
Le patrimoine géologique du Canada



ARTICLE
The Canadian Federation of Earth Sciences Scientific Statement on Climate Change – Its Impacts in Canada, and the Critical Role of Earth Scientists in Mitigation and Adaptation



**CANADIAN FEDERATION OF EARTH SCIENCES
UNITE GEOSCIENCE ORGANIZATIONS**

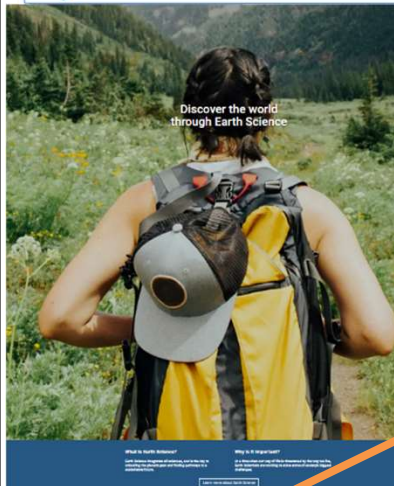
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Earth Sciences Careers Website

<https://careers.earthsciencescanada.com/>

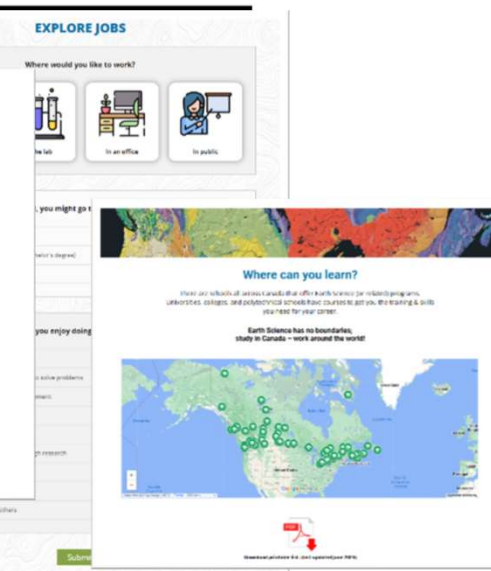


Discover the world through Earth Science



Connecting students to great careers.
If you are a teacher or guidance counselor

Click Here



EXPLORE JOBS

Where would you like to work?

you might go to

Where can you learn?

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CFES supporting IGC 2028

Canada is delighted to host the

38th International Geological Congress

12-20 August 2028, in the BMO Centre, Calgary

Geosciences for Humanity






See you in Canada in 2028

info@igc2028canada.org



VENUE WEST
CONFERENCE SERVICES

38th International Geological Congress (IGC)

Geosciences for Humanity

August 12-20, 2028
Calgary, Alberta, Canada

Prospectus



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Canada is hosting the:

International Geological Congress (IGC) 2028

“Geosciences for Humanity”

Immerse yourself in four billion years of North American geology!

When? 12 – 20 August 2028 | **Where?** BMO Centre, Calgary

What can I do? Visit our website www.igc2028canada.org/ (scan the QR code)



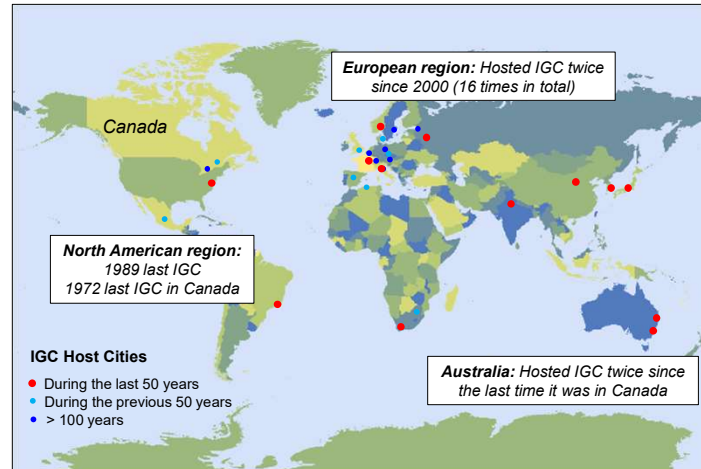
 @IGC2028Canada
  @igc2028canada
  @igc2028canada
  @IGC2028Canada

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Context: Never Western North America! 1972 (Montreal) last Canadian IGC

IGC Host Cities

| | | | |
|------|----------------|--------|-----------------|
| 1878 | Paris | 1956 | Mexico City |
| 1881 | Bologna | 1960 | Copenhagen |
| 1885 | Berlin | 1964 | New Delhi |
| 1888 | London | 1968 | Prague |
| 1891 | Washington | 1972 | Montreal |
| 1894 | Zurich | 1976 | Sydney |
| 1897 | St. Petersburg | 1980 | Paris |
| 1900 | Paris | 1984 | Moscow |
| 1903 | Vienna | 1989 | Washington |
| 1906 | Mexico City | 1992 | Kyoto |
| 1910 | Stockholm | 1996 | Beijing |
| 1913 | Toronto | 2000 | Rio de Janeiro |
| 1922 | Brussels | 2004 | Florence |
| 1926 | Madrid | 2008 | Oslo |
| 1929 | Pretoria | 2012 | Brisbane |
| 1933 | Washington | 2016 | Cape Town |
| 1937 | Moscow | 2020 - | |
| 1948 | London | 2022 | Delhi - Virtual |
| 1952 | Algiers | 2024 | Busan |



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Sponsorship Drive (\$117K) Thank-you!!

38th International Geological Congress (IGC)
Geosciences for Humanity

August 12-20, 2028
Calgary, Alberta, Canada

Prospectus

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calgary

Bid Support

Solid Support from our Sponsors

PLATINUM

Canadian Geological Foundation

Fondation géologique du Canada

cenovus
ENERGY

SILVER

UNIVERSITY OF CALGARY

AIR CANADA

KORITE
Luxuriously Canadian

BRONZE

Ovintiv

NORTH AMERICAN Helium

Pathways Alliance

Canadian Natural

Eavor™

TETRA TECH

calgary tourism

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CONFERENCE SERVICES

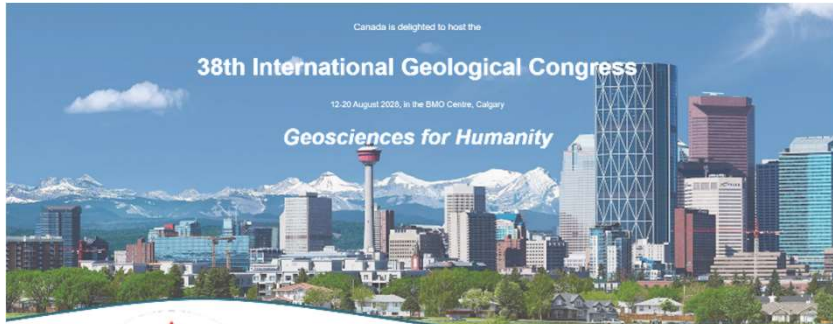
Burgess Shale (8C)

WWW.IGC2028CANADA.ORG

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Logo Design, Tagline, Website



<https://www.igc2028canada.org/>

Logo + Website Design

Brendan Lazar
MRU + UofT

Website Updates

Amrine Dubois-Gafar
Program Manager MRU

+ Bid Document >230 pages

>50 letters of support

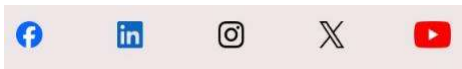
-?? influence??

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Landing Page: Video + Social Media



Social Media – restart end November

Active Social Media Handles
(please help augment social media postings)



Thank-you!!

Video Funded by:

- Canadian Geoscience Foundation
- Tourism Calgary

Collaborative Effort:

- IGC BDC
- MRU Iniskim Centre
- indigenous geoscience narrators

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Icebreaker party-Kicking off with style!



IGC 2024 – “Team Canada”

Craig First Rider (Blackfoot)

- very popular
- most photographed @ IGC2024

Canadian Booth

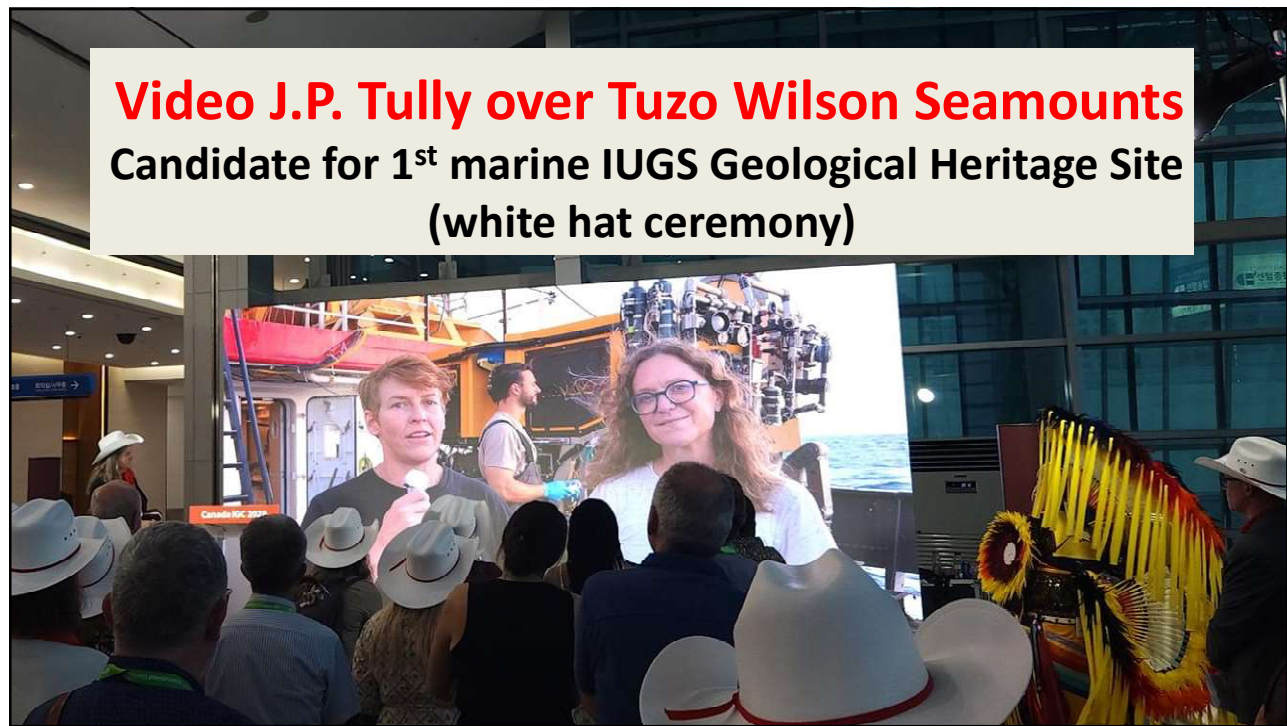
- Moraine Lake backdrop
- coordinated by Venue West
Conference Services
(photographs courtesy of Jerry Demorcy)

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Canadian Reception – Acting Ambassador

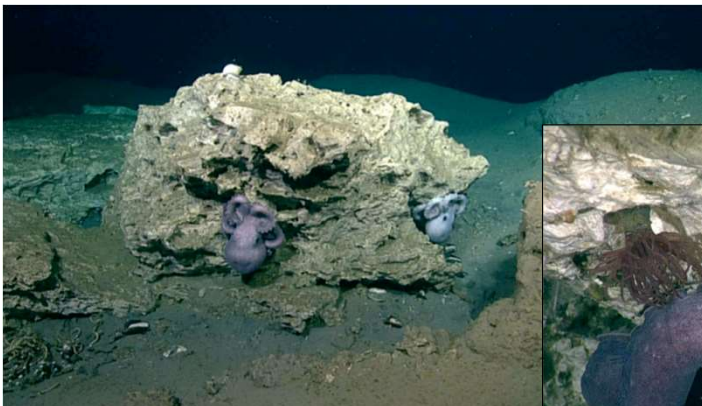


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Biogeodiversity Discoveries (summer 2023)




(courtesy of Dept of Fisheries & Oceans)

New (4th known) octopus nursery
-associated with cold methane seep
(streaming 1.5km to surface)



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2nd Skate Nursery

First film giving birth!!
-associated with hot tops of Tuzo Wilson Seamounts

Estimate 5 million egg casings!!
-turn black
-estimate 4 years before hatching

(courtesy of Dept of Fisheries & Oceans)



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Bid Presentation

Dave Eaton "Why Canada"
Diana "Hero Image"



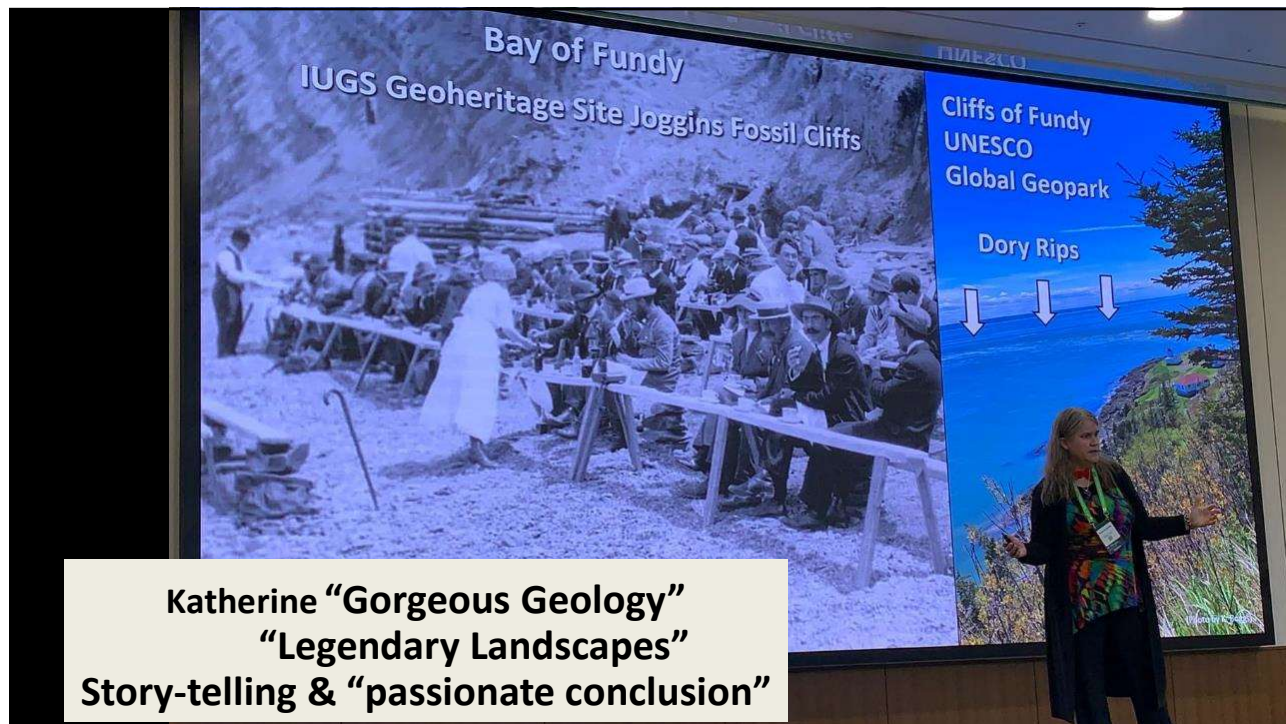
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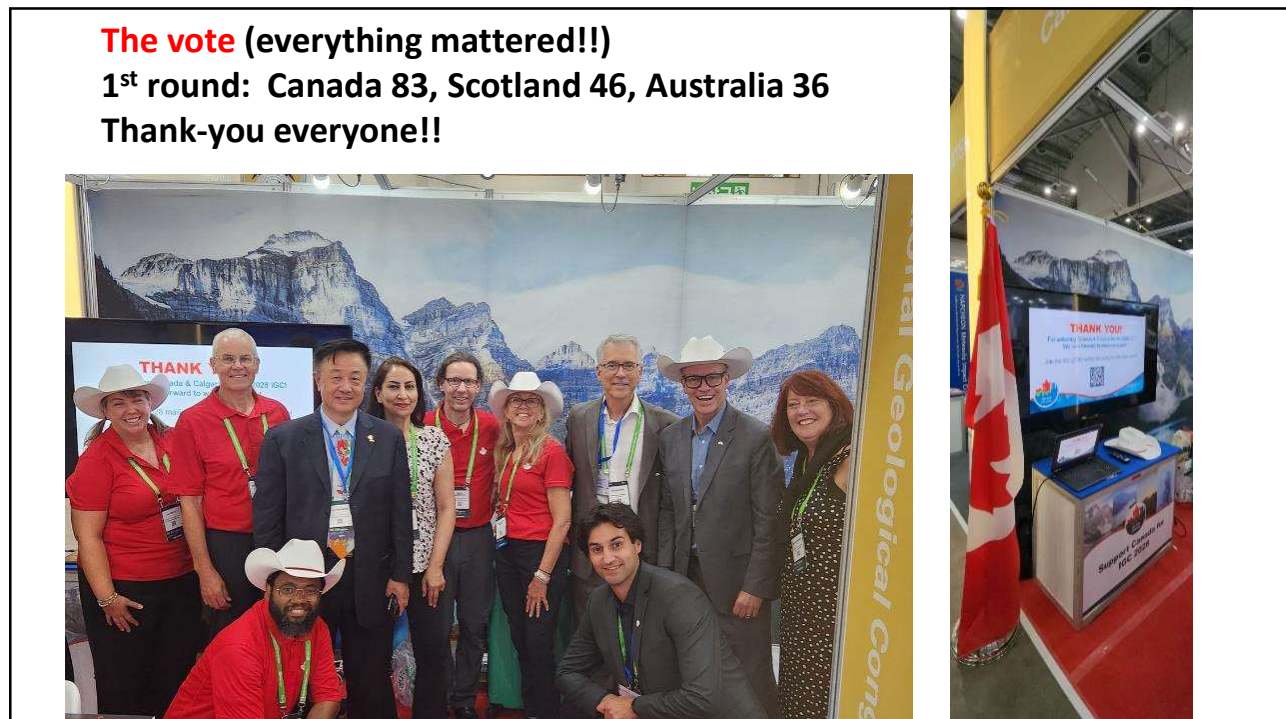
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**Team Effort
Thank-you
Partners!!**



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Why care about hosting an IGC??

Asked NOC – National Organization Committee:

“generational event”, “Olympics of geosciences”
“showcase Canadian geosciences, geology, people
& who we are as a country”

IGC standard sessions – **all aspects of geosciences**

+ North American regional geology sessions

+ Keynote Daily Themes

Project: 12,000+ delegates, >\$20million for Calgary

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Keynote Daily Themes

Align with tagline: “Geosciences for Humanity”

- Sustainability, Climate Change & Natural Disasters
- Critical Minerals & Sustainable Energy Transition
- Space & Planetary Geology
- Future of Geology + Young Earth Scientists
- flexible day for community design

- Structure:**
- opening & closing panels (geoscientists, policy makers, economists, health workers, teachers, youth +++)
 - plenary talks of general interest
 - record & package each day for schools

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Plans??

Two years of national geosciences – 2027 & 2028

2027 – GSA in Montreal; Explore in Toronto

Use IGC 2028 to leverage & promote geosciences



- GeoPromotion competition for school kids
- increase and rejuvenate geoscience signs in parks
- increase number of Geologists in National Parks
- develop & deliver dual credit geology courses in cities
- social media campaign – promote geosciences & IGC 2028
- welcome proposals from geoscience community**

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“Now the hard work starts”!!

Call for volunteers – NOC subcommittees:

North American Footprint

Field Excursions - ideas & leaders
 Scientific Programme – session proposals & chairs
 GeoHost, GeoExpo, Education & Outreach, Communications

International Advisory Council – international networks
 Indigenous Advisory Board – guidance, sessions, village

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 @IGC2028Canada
  @igc2028canada
  @igc2028canada
  @IGC2028Canada

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2. National Geoscience Research Plan??

Call for volunteers & Update

Pathways are progressing, delayed by IGC talking over my life

- Goals:**
- maintain or increase research funding to geosciences
 - protect university geoscience programs
 - promote geosciences as career (high schools & indigenous communities)
 - promote geosciences with general public & policy makers

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3. NGRP Updated Timeline

Fall 2024 – expect call for next meeting

Winter 2025 – complete first draft of pathways

- edit, type set, finalize main document
- regional townhalls – feedback & information

Ask: \$5000 from CCCESD once first draft completed

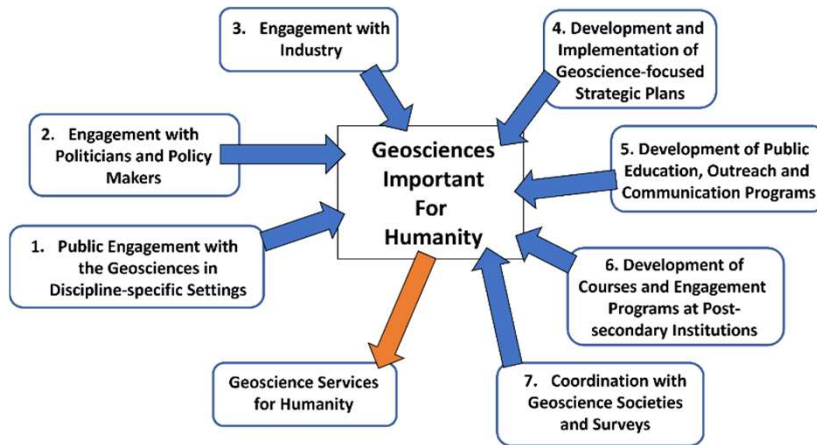
Spring 2025 – elevator pitches for policy makers, guidance/career counsellors, university administrators, indigenous communities

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3. Toolkit for Guiding Geoscience

Goal – Common Message for Canadian Geoscientists



Submit: Geoscience Canada (December 2024)

Toolkit: Change narrative around geosciences towards more positive reputation: **"Geosciences Important for Humanity"**

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Join, Follow, Contact CFES

JOIN US! HOW YOU CAN HELP

- Volunteer with CFES
- Ask your organization to join CFES
- Join CGEN and volunteer for our Board of Directors
- Join the EdGEO National Committee and help to review grant applications
- Lead the EdGEO National Committee as Chair
- Talk to us about starting a Geologist in Residence at your local National Park
- Fill out the Careers Website questionnaire (QR code) and send us your stories and photos

Promoting Geoscience Group

Are you concerned with recruitment into post-secondary geoscience education programs? **Want to help?** Join us in brainstorming solutions.

Follow us at www.cfes-fcst.ca
and on social media



Contact us: cfes.presidentelect@gmail.com

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All Initiatives are Driven by Member Organizations



CFES Member Organizations
Brings forward ideas, discusses common challenges, works towards common goals.



CFES Board
Facilitates CFES objectives.

CFES Observer Organizations
Alliance of Natural History Museums of Canada (ANHMC)
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Stay Updated, Bring Forward Ideas, Get Involved



CFES Member Organizations
Brings forward ideas, discusses common challenges, works towards common goals.



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