

RFG 2018

RESOURCES FOR FUTURE GENERATIONS | VANCOUVER, CANADA

Resources for Future Generations The Vancouver Conference

Vancouver Convention Centre
June 17-21, 2018

BACKGROUND

2012: the Canadian IGC 2020 Bid Committee develops the idea of hosting an inter-congress international conference to IUGS. The event will focus on natural resources, rather than a general IGC style geoscience conference

2013: IUGS formally endorses the concept of an inter-IGC meeting to be held in Canada in 2018

2013: Canadian Federation of Earth Sciences formally endorsed the proposal

2014: Canada presented the concept of a conference based on the IUGS Resourcing Future Generations (RFG) initiative

Why have an inter-IGC IUGS conference

Science is advancing faster than ever – four years is too long a period between IUGS sponsored meetings.

Most other international science unions hold conferences more frequently than once every four years.

There is room for conferences focused on particular themes developed by IUGS rather than the style of International Geological Congress that covers every possible subject.

The Main Objective?

Host an incredible conference that will compliment and address the International Union of Geological Sciences' Initiative "Resourcing Future Generations" and at the same time an event that will benefit global society, international geosciences, as well as Canada and British Columbia

Resourcing Future Generations

the original concept of IUGS

Main Themes

Subthemes

Minerals

- Supply and demand
- Understanding the subsurface
- Where are the resources

Energy

- Building support and capacity in the developing world

Water

- Pursuing opportunities
- Reducing barriers
- Adopting open information access
- Sharing successes
- Lessons learned

Program themes & streams



The Earth

Evolution of the planet led to the concentration of minerals and metals, recognition by early humans, and exploitation and use by the human race. Understanding the earth and earth processes has implications for the location of resources, efficient and clean extraction, and stewardship of our planet.



Energy

Availability of energy has supported the development of the human race. Increasing population and basic human needs will require vast increases in energy supply.



Minerals

Minerals service every aspect of modern life. Although influenced by cycles and volatility, human needs, energy demands, and new technology will maintain demand for many commodities.



Water

Clean water is a fundamental human right. Availability of water requires understanding surface and subsurface sources. Water is critically linked to energy and minerals, in addition to agriculture.



Resources for Future Generations

PREMIERE CONFERENCE ON ENERGY • MINERALS • WATER • THE EARTH

June 16-21, 2018 | Vancouver Convention Center | Vancouver, BC, CANADA

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A wide banner image showing a coastal landscape with a cliffside covered in green vegetation. Several white wind turbines are visible on the cliff, set against a clear blue sky. The ocean is visible on the left side of the frame.

GET RESOURCEFUL - EMPOWER A GENERATION

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Partner Organizations

The International Union of Geological Sciences (IUGS), the Canadian Federation of Earth Sciences (CFES), the Canadian Institute of Mining, Metallurgy and Petroleum (CIM), the Geological Association of Canada (GAC) and the Mineralogical Association of Canada (MAC) are partnering to bring industry, academia and governments together for RFG 2018.

Organizers



Canadian Institute of Mining, Metallurgy and Petroleum (CIM)

Geological Association of Canada (GAC)

Mineralogical Association of Canada (MAC)

Technical Partners



MINERALOGICAL
ASSOCIATION OF CANADA
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Melody Brown Burkins
Chair, US National Committee for IUGS

<http://rfg2018.org/en.aspx>

RFG 2018

2018.COM

RFG 2018

DIVERSITY



LOCATION



GEOLOGY



LEGACY



Mineralogical Association of Canada

Promoting and advancing mineral sciences



CFES  FCST

Canadian Federation
of Earth Sciences

Fédération canadienne
des sciences de la Terre

Other aspects to be addressed

- Geoethics, Corporate Social Responsibility and Professionalism
- Public outreach – the associations involved are very active in this
- International students
- Cultural events
- Field trips
- Workshops/Short Courses

Our immediate priority focus is to offer a suite of great short courses, field trips and session topics which require champions and leaders.

On submission of abstracts (talks or posters): we think there will be no shortage of abstracts in the long term.

Some high level activities are more important to us and the RFG2018 meeting.

- organize and deliver short courses, workshops, training affiliated with RFG2018**
- organize and deliver field trips to their respective provinces and territories**
- organize and deliver topical, thematic and specialized sessions at the conference**

Can we get your support, do you buy into the event, and can we get confirmation of involvement of your staff.

Can you confer with your staff and management and submit proposals for the above 3 options within a few months (post field season)?

What do we need to provide you, when, how early, to be able to properly consider and get approval, and make some initial commitments? 2 years may seem far away but for this project it is not.

Can you give us some feedback on the set of deadlines we need to meet?

GAC background

The MISSION of the Geological Association of Canada is to facilitate the scientific well-being and professional development of its members, the learned discussion of geoscience in Canada, and the advancement, dissemination and wise use of geoscience in public, professional and academic life.

- Created in 1947
- Professional Awards
- Student Support (scholarships, student chapters)
- Publishes journals and books
- Supports Canadian Geological Foundation\
- Sponsors lecture tours



RFG2018 - Organisation

- Canadian Institute of Mining and Metallurgy (CIM): the lead organization supporting logistics and financial side. This should give strong confidence on the effective organization of the meeting
- Geological Association of Canada: partnering with CIM to deliver the conference. Transferring its annual conference, normally in May, into the RFG2018.
- Geological Survey of Canada has endorsed the event and already appointed an official representative onto the Committee
- Discussions with other associations:
 - Mineralogical Association of Canada (MAC)
 - Canadian Society of Exploration Geophysicists (CSEG)
 - Canadian Society of Petroleum Geoscientists (CSPG)
 - Canadian Geotechnical Society (CGS)
 - And others



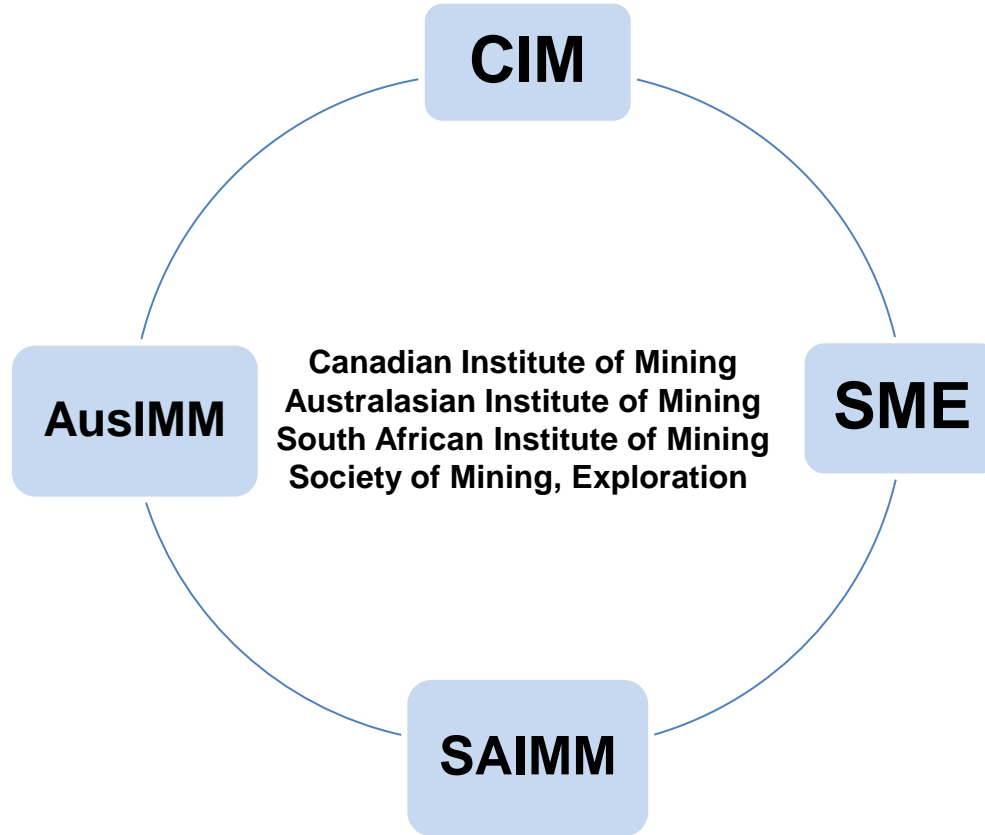
CIM in numbers

- **+14,500 individual members** – from industry, academia, government
- **250 corporate members**
- **10 technical societies** - source of expertise worldwide
- **3 national districts: 35 branches** across Canada
- **4 international branches:** Chile, Peru, Senegal, Burkina Faso
- **10 student chapters** in Canadian universities
- Head office in Montreal : ~35 staff
- **+ 250 Volunteers**





CIM's International Partners



WHY VANCOUVER?

- Vancouver is a centre for geoscience leadership in Canada, with head offices of several hundred junior companies, 2 universities with geoscience departments, very active geoscience community especially in mineral resources.
- Calgary, an international petroleum/energy centre, is nearby.
- Western Canada has spectacular locations for field trips.
- Tourism Vancouver, The City of Vancouver and the Vancouver Convention Centre have been very supportive sponsors.
- Convention Centre is world class in architecture, technology, sustainability.
- The city has everything – ocean, beaches, mountains, numerous hotels, variety of restaurants, exceptional airport, etc.

