



# Resources for Future Generations The Vancouver Conference

Vancouver Convention Centre  
June 16-21, 2018

[INFO@RFG2018.org](mailto:INFO@RFG2018.org)

# Background

- RFG 2018 developed from
  - The Canadian bid for the 2020 IGC in Vancouver
  - The IUGS support for an inter-IGC conference
  - The IUGS initiative: Resourcing Future Generations
  - Interest in the event from several Canadian earth science and resource-focused organizations

# Objective

Create a world-class conference focused on finding and delivering resources in an environmentally sound manner for future generations consistent with the IUGS initiative “Resourcing Future Generations”

# Conference themes

## The Earth

Evolution of the planet led to concentration of elements – recognition by early humans. Understanding the earth and earth processes has implications for resources, 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.

# Potential sub-themes

## The Earth

Earth evolution

Earth processes

Earth system

## Energy

Subsurface energy

Surface energy

Sedimentary  
basins

## Minerals

Major commodities

Minor commodities

New frontiers

## Water

Water – energy

Water – minerals

Sources of water –  
surface/subsurface

**Cross-cutting sub-themes:** New frontiers, Resource availability, Government roles – Geological Surveys & regulations, Indigenous people, CSR, Young people

# RFG2018 – Organization

- Four Canadian organizations are partnering to deliver RFG 2018 (see attached details)
  - Canadian Institute of Mining and Metallurgy (CIM): CIM provides technical leadership and organizational and significant financial support
  - Geological Association of Canada (GAC) and Mineralogical Association of Canada (MAC): the annual GAC-MAC conference will be held as part of RFG; both provide significant technical, organizational and volunteer support
  - Canadian Federation of Earth Sciences (CFES): the umbrella organization for earth science in Canada with connections to many groups
- Other technical partners – discussions advanced with:
  - Geological Survey of Canada (GSC): in addition to initial endorsement GSC is considering specific roles in the conference; interests from other surveys will be sought (USGS, North American State and Provincial surveys; other national surveys)
  - The Association of Applied Geochemists have agreed in principal to hold their meeting with RFG 2018
  - Discussions on going with: Canadian Society of Exploration Geophysicists (CSEG), Canadian Society of Petroleum Geoscientists (CSPG), Canadian Geotechnical Society (CGS), and others

# RFG2018 – Major Committee Structure

## Steering Committee

|                      |   |
|----------------------|---|
| John Thompson        | Chair                                       |
| Bill Mercer          | Vice-Chair                                  |
| Peter Bobrowsky      | GSC; Former IUGS Secretary General          |
| Stephen Johnston     | CFES International Director; IUGS Councilor |
| Melody Brown Burkins | Chair US National Committee for IUGS        |
| Andrew Stumpf        | Secretary General                           |
| Oliver Bonham        | CEO Geoscientists Canada                    |
| Jim Ryan             | GSC and CFES                                |
| David Huntley        | GSC   |
| Garth Kirkham        | CIM, President                              |
| Bob Schafer          | Past President CIM; Officer PDAC            |
| Jean Vavrek          | CIM, Executive Director                     |
| Lise Bujold          | CIM Director, Conferences & Exhibitions     |
| Bill Stiebel         | CFES Past President                         |
| Victoria Yehl        | GAC President 2015-16                       |
| Graham Young         | GAC President 2016-2017                     |
| David Corrigan       | GAC Science Program Chair                   |
| Ron Peterson         | MAC President                               |
| Andy MacDonald       | MAC Vice President                          |
| Vancouver            |   |
| Sharla Wasilinchuk   | Tourism Vancouver                           |
| Stephanie Johnson    | Vancouver Convention Centre                 |

## Program Committee

|                       |   |
|-----------------------|---|
| John Thompson         | Chair                                   |
| Roger Beckie          | UBC                                     |
| Peter Bobrowsky       | GSC                                     |
| Ollie Bonham          | Geoscientists Canada                    |
| George Eynon          | CSPG                                    |
| Kendra Johnston       | AMEBC                                   |
| Steve Rowins          | BCGS/GAC                                |
| Jim Ryan              | GSC/CFES                                |
| Glyn Williams-Jones   | SFU                                     |
| Kirstie Simpson       | Technical support                       |
| <i>Ad hoc members</i> |   |
| Jean Vavrek           | CIM Executive Director                  |
| Bill Mercer           | Vice Chair, Steering Committee          |
| Lise Bujold           | CIM Director, Conferences & Exhibitions |
| Andy Stumpf           | General Secretary, Steering Committee   |

## CIM Staff

|                |                                     |
|----------------|-------------------------------------|
| Chantal Murphy | Convention Planner                  |
| Carol Lee      | Registration and Web editor         |
| Martin Bell    | Trade Show Sales Manager            |
| Jean Vavrek    | Executive Director                  |
| Lise Bujold    | Director, Conventions & Trade Shows |

# RFG 2018 Conference estimates

The following are estimates given current resources and facilities

|                     |   |
|---------------------|---|
| Duration of Event:  | 4 full days + pre- and post short courses and field trips |
| Attendees:          | 3,500 – 5,000   |
| Abstracts:          | 2,250 – 3,500   |
| Oral Presentations: | 1,500 – 2,250 (15 minutes standard)                       |
| Posters:            | 800 – 1,200   |
| Parallel Streams:   | 15 min  |
| Plenary Sessions:   | Each day – on major themes                                |
| Trade Show:         | 100 booths min (300 max)                                  |



# Current actions and one year timelines

- **January 2016:** Website completed
- **January 2016:** Save the date electronic brochure - completed
- **January 2016:** CIM-GAC-MAC-CFES MOU completed and signed
- **January 2016:** Program committee face-to-face at Roundup; monthly meetings after January; and face-to-face at CIM Vancouver in May
- **January 2016:** Material for Roundup 2016 (ppt slides, brochure for distribution)
- **February 2016:** Material for Eurogeosurveys meeting (as above)
- **March 2016:** Material for PDAC 2016 (as above)
- **May 2016:** Plenary/key session themes defined; critical roles and people in place
- **June 2016:** Conference format completed and initial publicity in place
- **August 2016:** IGC – RFG2018 promoted and keynote presentation

# 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



# The Geological Association of Canada

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
- 26 annual professional Awards
- Student Support (scholarships, student chapters)
- Publishes Geoscience Canada, GEOLOG, and books
- Supports Canadian Geological Foundation
- Annual meeting (with MAC), field trips and lecture tours



GEOLOGICAL  
ASSOCIATION OF CANADA  
ASSOCIATION  
GÉOLOGIQUE DU CANADA

# The Mineralogical Association of Canada

The Mineralogical Association of Canada (MAC) is a non-profit scientific organization to promote and advance the knowledge of mineralogy and the allied disciplines of crystallography, petrology, geochemistry and mineral deposits.

- Formed in 1955
- Provides 6 professional Awards
- Student Support (scholarships, student chapters)
- Publishes Canadian Mineralogist, Elements and books
- Supports Canadian Geological Foundation
- Annual meeting (with GAC), lectures, short courses

Mineralogical Association of Canada

Promoting and advancing the mineral sciences



# The Role of Survey's and government geoscience in future resources?

- How could government geological Survey's be involved in the technical program?
- What geological activities at RFG 2018 would be useful to highlight to government decision-makers on the present and future roles of Surveys?
- Water resources, geological hazards related to climate change, mineral exploration, geoenvironmental studies (radon) – what will increase/decrease in importance and what capacities and skills will Surveys need.



  
**RFG** 2018

[INFO@RFG2018.org](mailto:INFO@RFG2018.org)

DIVERSITY

LOCATION

**ANY QUESTIONS?**

GEOLOGY

LEGACY



GEOLOGICAL  
ASSOCIATION OF CANADA  
ASSOCIATION  
GÉOLOGIQUE DU CANADA

Mineralogical Association of Canada

Promoting and advancing our mineral sciences



CFES  FCST

Canadian Federation  
of Earth Sciences

Fédération canadienne  
des sciences de la Terre