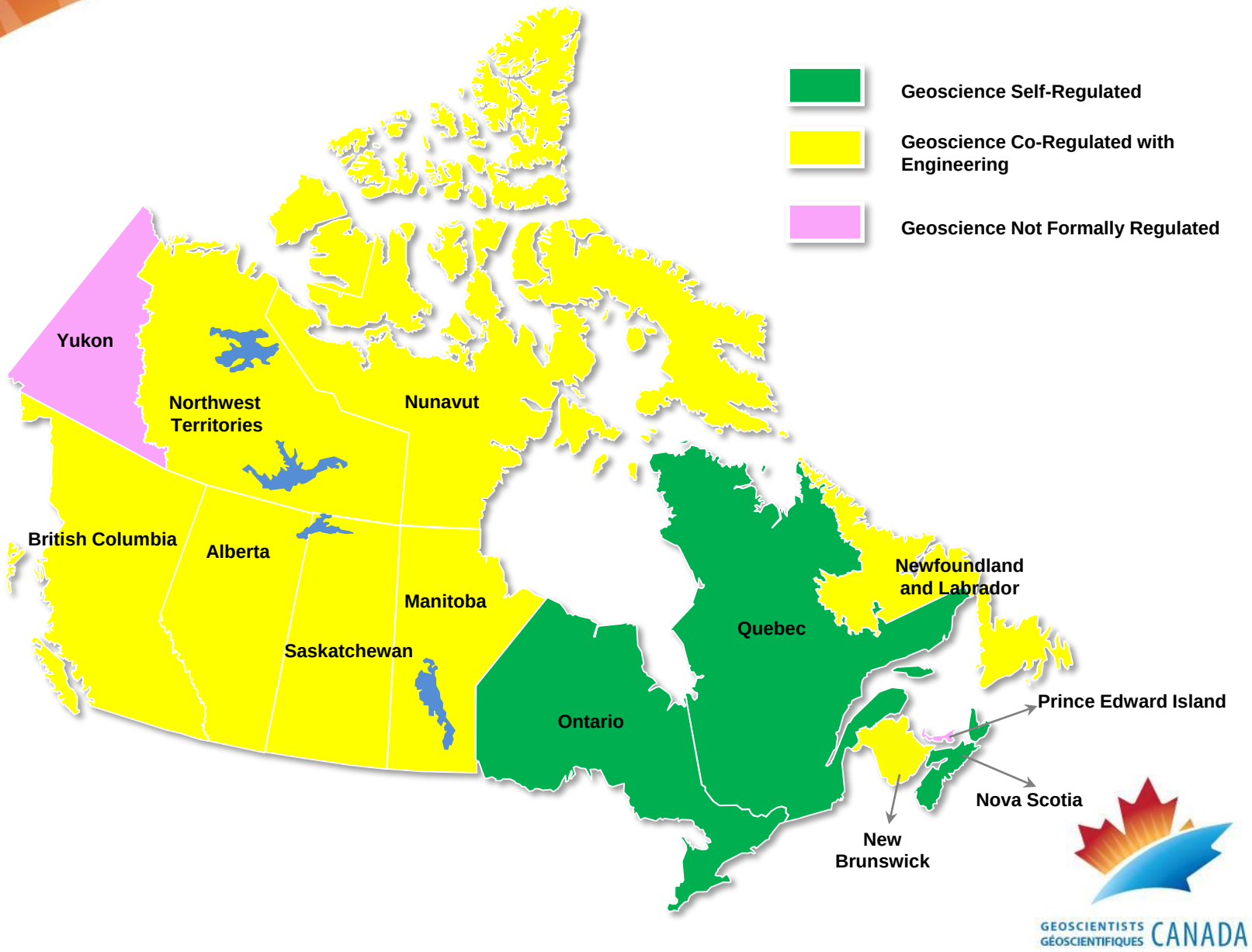
Geoscientists Canada

Geoscientists Canada Update

CCCESD Ottawa
17-18 Oct 2016
Oliver Bonham, P.Geo.
CEO

GEOSCIENTISTS GÉOSCIENTIFIQUES CANADA


Geoscience Self-Regulated
Geoscience Co-Regulated with Engineering
Geoscience Not Formally Regulated
Yukon
Northwest Territories
Nunavut
British Columbia
Alberta
Saskatchewan
Manitoba
Ontario
Quebec
Newfoundland and Labrador
Prince Edward Island
Nova Scotia
New Brunswick
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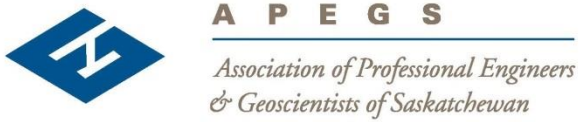
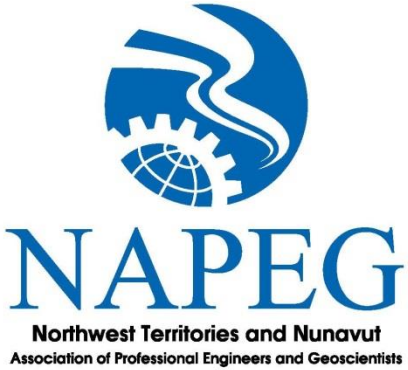
Professional Engineers
and Geoscientists of BC


APEGA
The Association of Professional
Engineers and Geoscientists of Alberta


A P E G S
Association of Professional Engineers
& Geoscientists of Saskatchewan


ENGINEERS
GEOSCIENTISTS
MANITOBA


APGO
ASSOCIATION OF PROFESSIONAL GEOSCIENTISTS OF ONTARIO


NAPEG
Northwest Territories and Nunavut
Association of Professional Engineers and Geoscientists


ENGINEERS
GEOSCIENTISTS
New Brunswick
INGÉNIEURS
GÉOSCIENTIFIQUES
Nouveau-Brunswick


GEOSCIENTISTS
NOVA SCOTIA


PEG
Newfoundland
and Labrador
PROFESSIONAL ENGINEERS AND GEOSCIENTISTS


GEOSCIENTISTS
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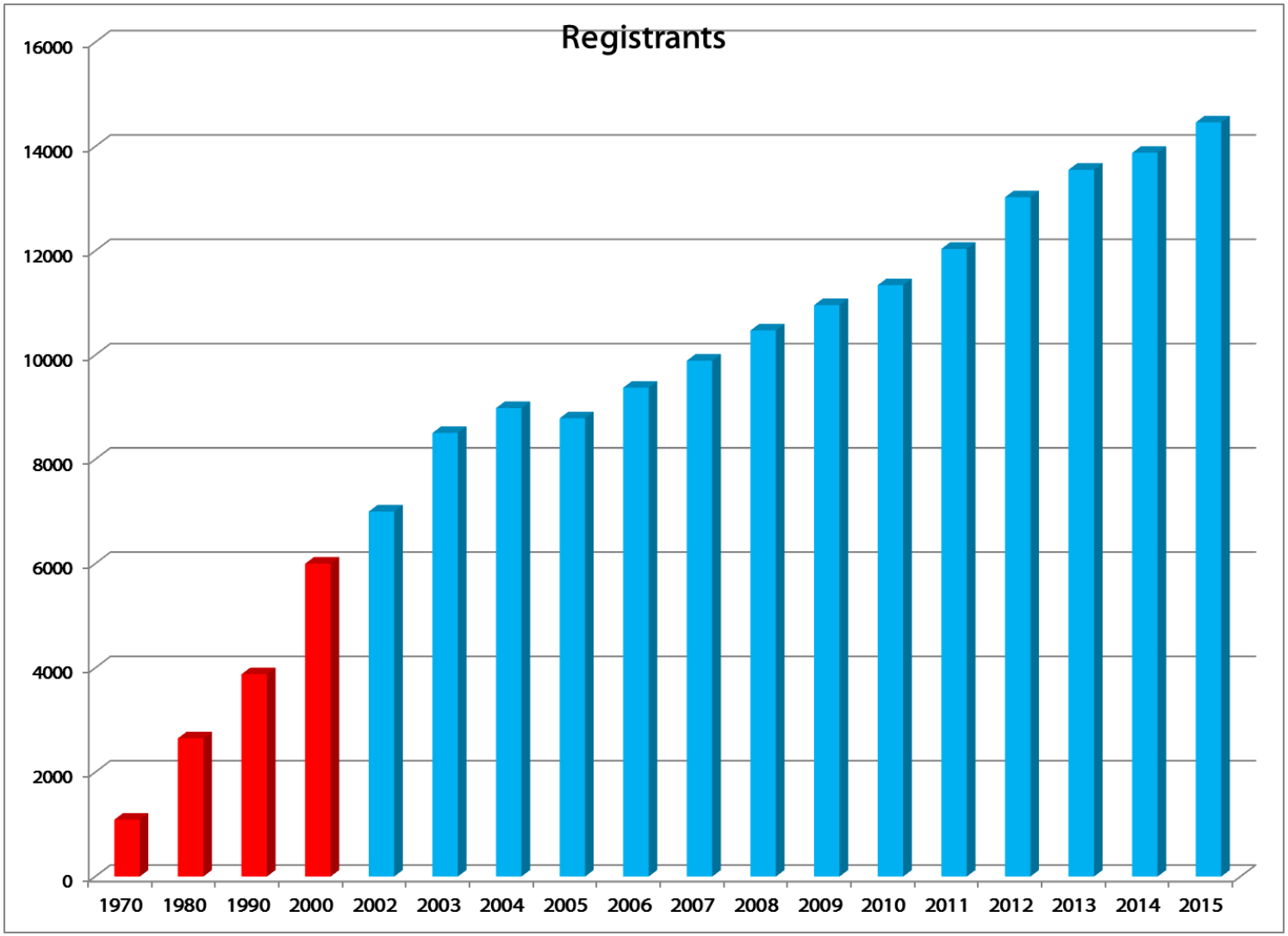
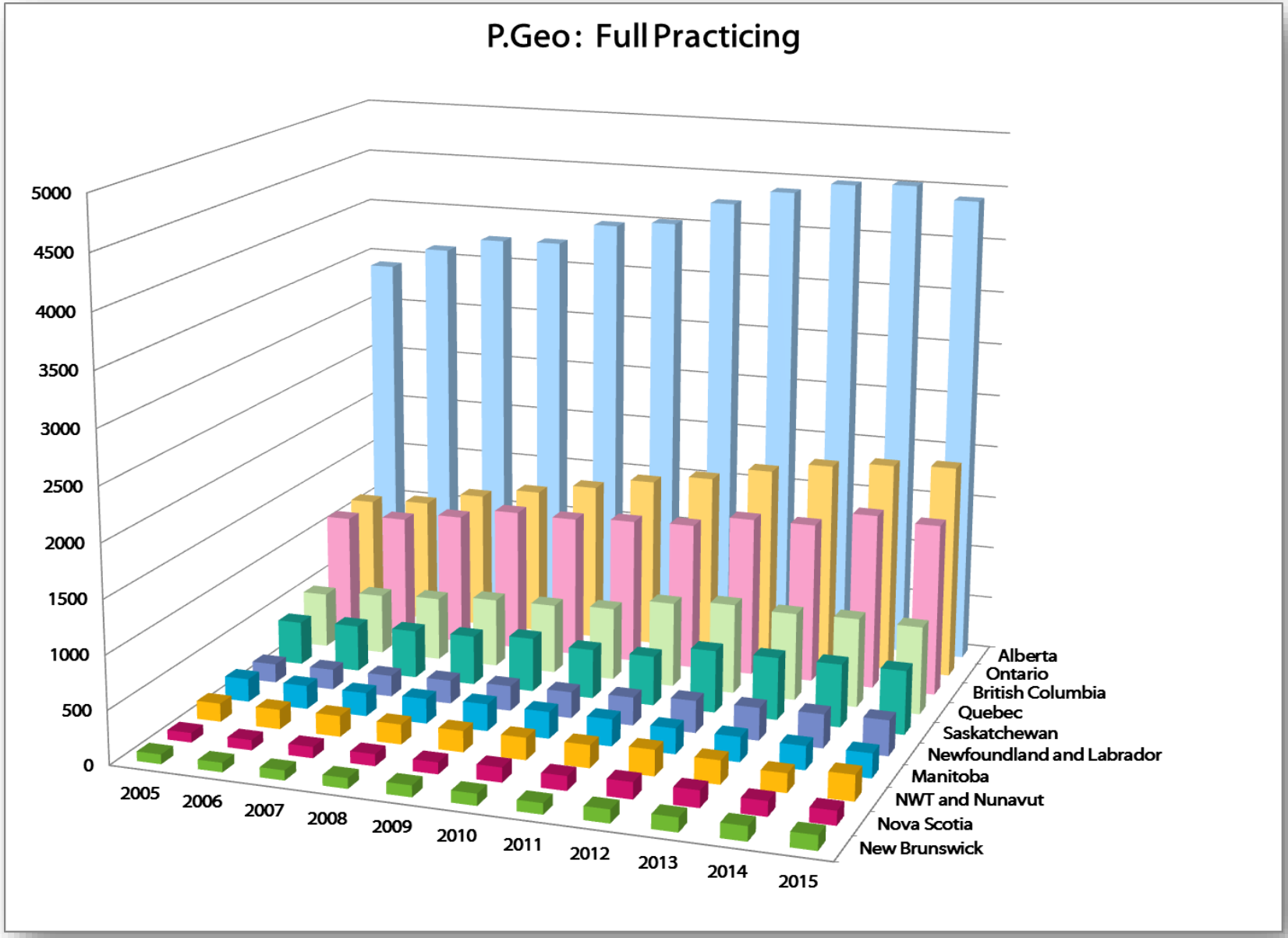
CANADA

Geoscientist Licensure in Canada



P.Geo's


P.Geo: Full Practicing
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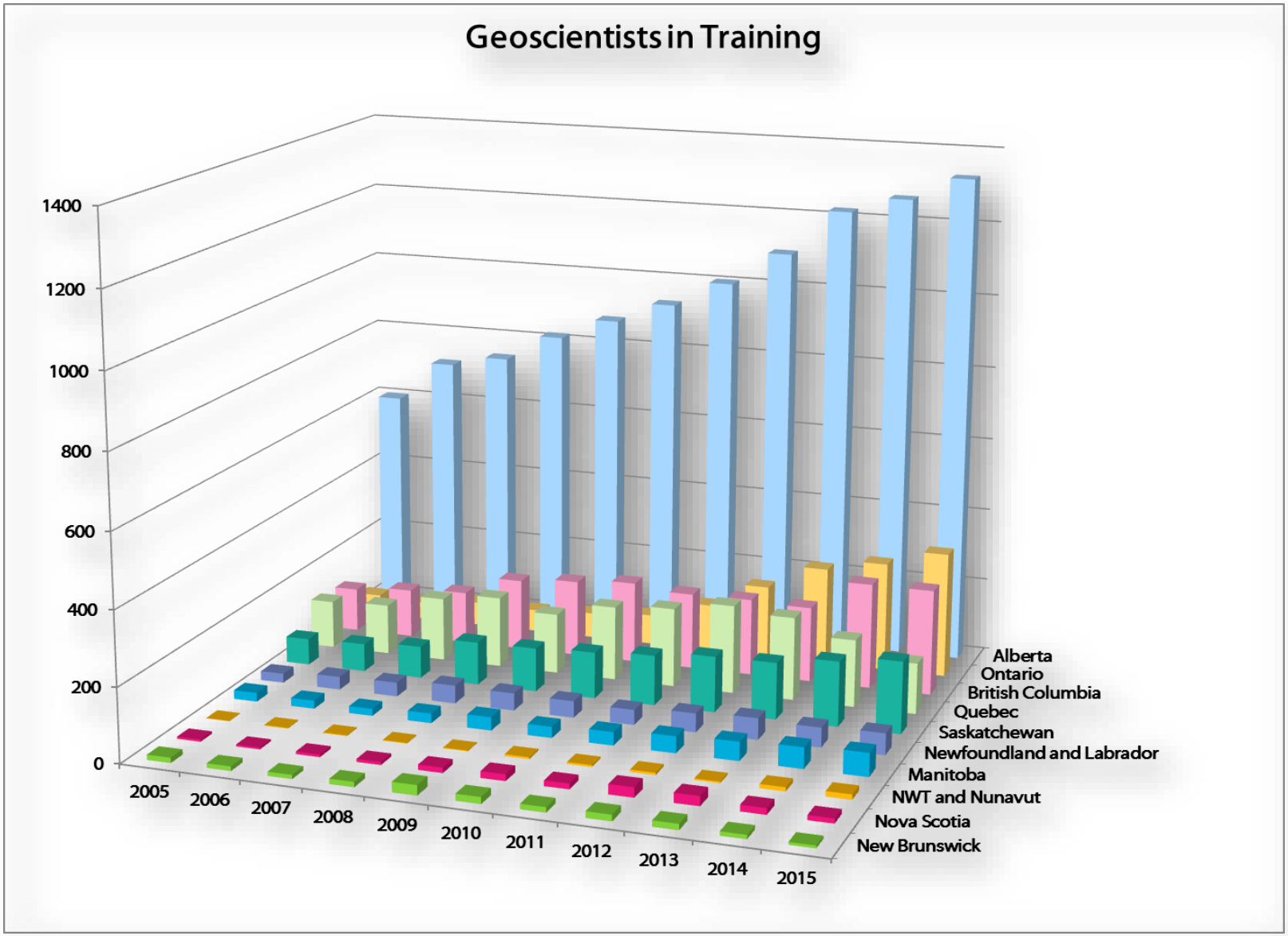
Saskatchewan
Newfoundland and Labrador
Manitoba
NWT and Nunavut
Nova Scotia
New Brunswick

Geoscientists in Training ("GITs")



Geoscientists Canada in 2016

- 1 full time professional staff person
- ½ time support staff
- Consultants and outside service providers
- Office in Vancouver (Burnaby)
- Hosted by APEGBC
- 2016 Base Budget $430,000
- Assessments funded
- Additional project funding (usually federally sourced)

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Focus Areas – Strategic Alliances

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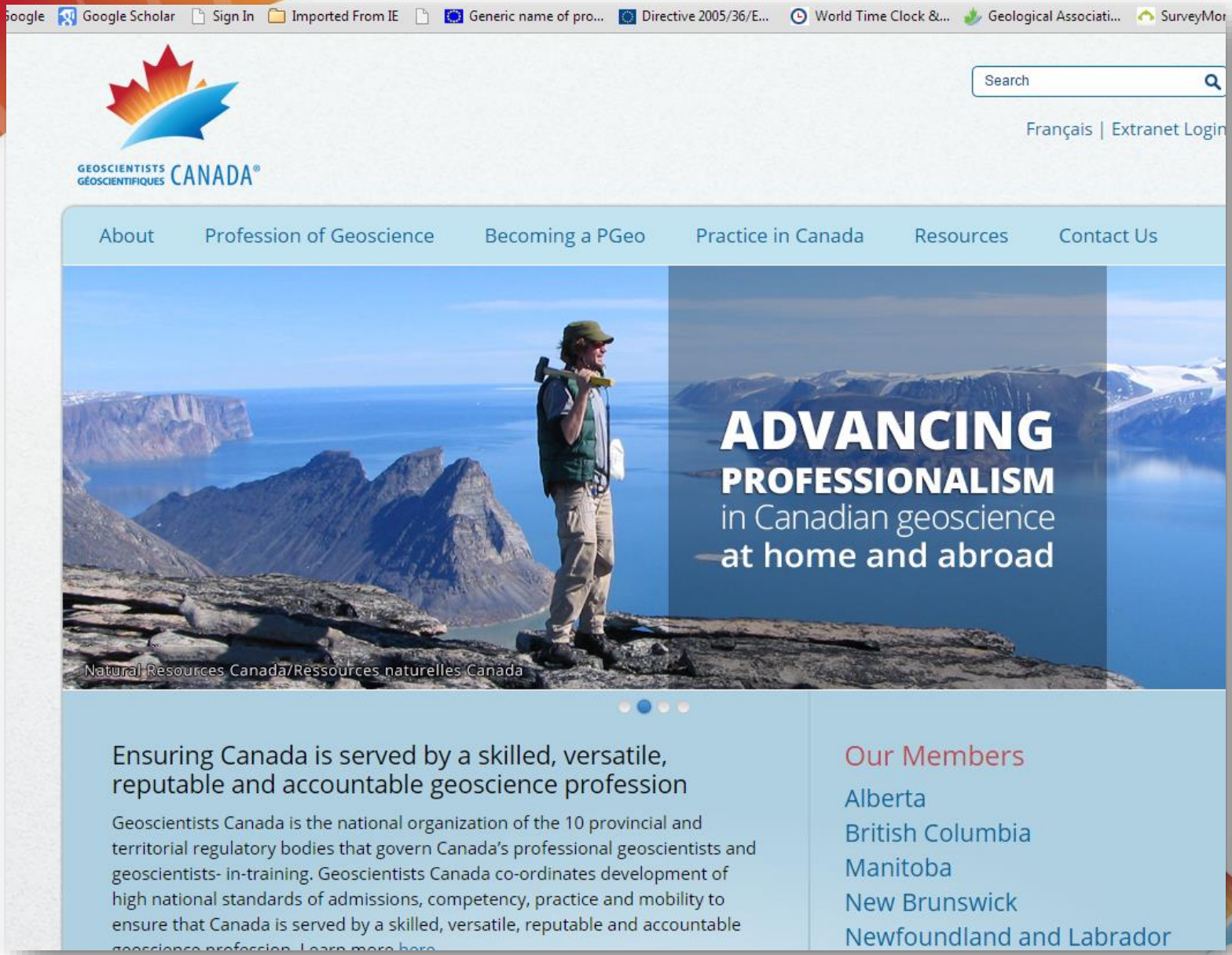

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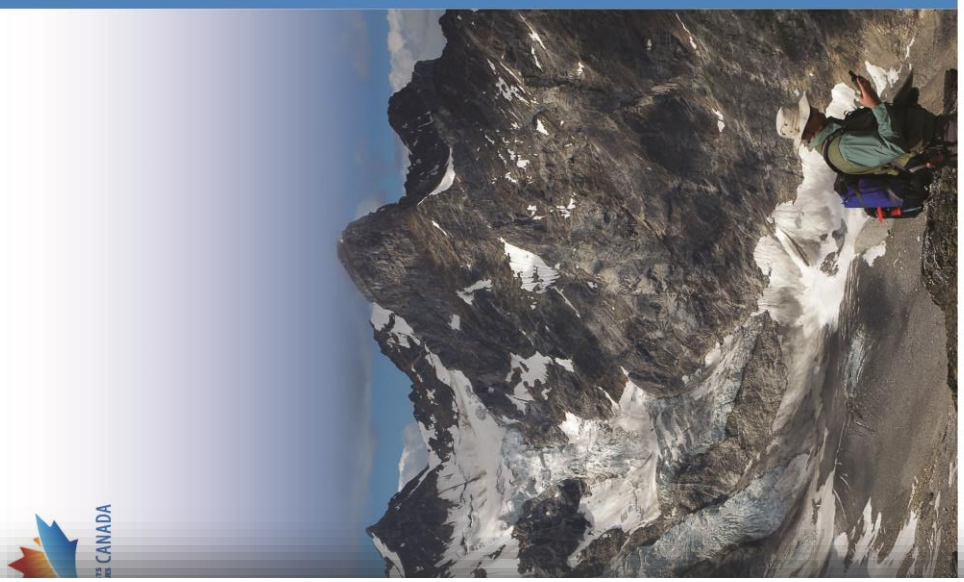
Connaissance et expérience des géosciences requises pour l'inscription à titre professionnel au Canada



Geoscience Knowledge and Experience Requirements for Professional Registration in Canada

GEOSCIENTISTS CANADA
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news release

FOR IMMEDIATE RELEASE

Federal, Provincial and Territorial Governments take action to connect Canadians with jobs

Charlottetown, July 11, 2014 – Labour Market Ministers from across the country met today to take action to ensure Canadians have the skills they need to compete in a global economy. The Forum of Labour Market Ministers (FLMM) is co-chaired by the Honourable Jason Kenney, federal Minister of Employment and Social Development and Minister for Multiculturalism, and the Honourable Allen Roach, Prince Edward Island Minister of Innovation and Advanced Learning.

"Our government's top priorities are creating jobs, economi
prosperity. I'm very pleased that since labour market minist
significant progress on the creation of the Canada Job Gra
put more skin in the game, the Canada Job Grant will result
guaranteed jobs. In the year ahead, we look forward to buil
working together to improve foreign credential recognition,
information, increase labour mobility and strengthen appre
well as the Labour Market Development Agreements."
–The Honourable Jason Kenney, Minister of Employment S
co-chair of the FLMM

"Provinces and territories across Canada share critically im
employment programs and skills training. We value this op
discuss key areas of importance and our challenges. We le
collaboration to ensure we have the best apprenticeship, sk
services that Canadians need."
–The Honourable Allen Roach, Prince Edward Island Minist
Advanced Learning, and co-chair of the FLMM

improvements as necessary. Ministers created a Working Group to develop the Terms of Reference for the evaluation of the Canada Job Grant.

Foreign Qualification Recognition

Ministers recognized the importance of integrating newcomers into the labour market. Today, Ministers announced the addition of 10 new target occupations to the Pan-Canadian Framework for the Assessment and Recognition of Foreign Qualifications[3]. The Framework helps improve foreign qualification assessment and recognition for internationally trained professionals, so they can put their knowledge and skills to work

The following are the new set of target occupations in the Framework:

2014-15

- audiologists and speech language pathologists
- midwives
- geoscientists
- psychologists
- lawyers
- carpenters
- welders
- electricians (industrial and construction)
- heavy duty equipment technicians
- heavy equipment operators

[1]While the Quebec government has not endorsed the Framework, it supports its principles and agrees to share reports already made public to its citizens, notably those tabled at the National Assembly.

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FLMM – FQR - ACTION PLAN – GEOSCIENCE
as of 25 June 2015

Potential Priorities for Action	Relevant Players	Timelines	Potential Objectives
FQR PATHWAY: Assessment & Recognition			
Map competency profile to the *Geoscience*	**Lead:** Geoscientists	by Sept 2017	The main outcome will be a revised validated competency-based rd. pping is complete it will be possible to determine ols that may be needed to assess the readiness-to- pplicants. to get there will be an outcome in itself, as it will engage olved in geoscience admissions across Canada in ew benchmark that the CAs will have helped build agree upon. ysical deliverable will be a new and revised GKE colour encing the competency profile, which will be both a int item and an interactive electronic document. oklet has many uses. As the professional primary tional source of information on admissions , the GKE is equally important to those trained abroad, ose trained (or training) in Canada.

GEOSCIENTISTS CANADA / GÉOSCIENTIFIQUES CANADA

Funding Proposal Concept
5 October 2015

Admissions Support Tools (AST) Project Phase II

Geoscientists Canada/Géoscientifiques Canada is the organization of the regulatory bodies that govern geoscience practice in the provinces and territories; its mandate is to conduct collective collaborative work on behalf of its nine member regulatory bodies – its constituent associations (CAs).

Geoscientists Canada intends to submit a proposal to Economic and Social Development Canada (ESDC) for funding - under ESDC's Foreign Credential Recognition Program (FCRP). In July 2014, it was announced by the Forum of Labour Market Ministers (FLMM) that geoscientists had been added to the list of targeted professions that are part of the Pan-Canadian Framework for the Assessment & Recognition of Foreign Qualifications (FQR)

The planned work will further assist the CAs with admissions consideration of both internationally-trained and Canadian-trained geoscientists applying for licensure to practice their profession across Canada. The amount of funding anticipated is on the order of $660,000 - for work on 3 distinct, yet interrelated, components.

- Component 1 To map the *Competency Profile for Professional Geoscientists at Entry to Practice*[1] to the *Geoscience Knowledge and Experience Requirements for Professional Registration in Canada*[2] (GKE)
- Component 2 To identify competency-based assessment tools that might be developed
- Component 3 To develop an on-line self-assessment tool for all prospective applicants

The project will take 24 months to complete. In-kind support will be provided by Geoscientists Canada and its

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PRESS RELEASE

For Immediate Release:

New joint guide outlines best practices for managing parental leave in engineering and geoscience professions

Burnaby, January 19, 2016 - Geoscientists Canada and Engineers Canada have today jointly published a planning resource guide that outlines best practices for employees and employers managing maternity or parental leave in Canada's engineering and geoscience professions.

Managing Transitions: Before, During and After Leave is intended to assist engineers and geoscientists who are considering maternity or parental leave, and is designed to also assist their employers. It provides extensive checklists and outlines steps that individuals, supervisors and companies can take to help smoothly off and on ramp employees taking a leave of absence.

"This guide will be a tremendous resource for new parents and for their employers," said Kim Allen, FEC, P. Eng., the Chief Executive Officer of Engineers Canada. "The guide and its recommendations will go a long way to creating welcoming workplaces in the engineering and geoscience professions with good leave practices that will attract talented employees."

Geoscientists Canada and Engineers Canada are both dedicated to enhancing gender diversity in their respective professions, where women remain under-represented.

Diversity has proven value for innovation, customer relevancy and project management, and employers are therefore looking for ways to improve workplace inclusivity, attract top talent, and ensure their company is on the leading edge of policy and practice. Improving career transitions and managing leaves of absence are crucial for the retention of this skilled and valued talent, and thereby increase workplace diversity.

"Geoscientists Canada is delighted to be jointly publishing this new guide together with our colleagues at Engineers Canada. Experience and research has shown that without forethought, rejoining an organization can be frustrating, especially when expectations are not managed," said Oliver Bonham, P.Geo, FGC, the Chief Executive Officer of Geoscientists Canada. "The solution is to actively manage the transition and this guide outlines the steps to do so, ensuring that employees and employers know what to expect; that leaves of absence do not disrupt career progression or productivity; and that business continuity remains."

200-4010 Regent Street, Burnaby, BC V5C 6N2; Ph: 604-412-4888 geoscientistscanada.ca

engineerscanada
ingénieurscanada

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Managing Transitions:
Before, During and After Leave

A Planning Resource Guide
for Employees and Employers

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NATIONAL GUIDELINE FOR GEOSCIENTIST-IN-TRAINING PROGRAMS

DRAFT 3 – 6 January, 2016

Prepared by:
Geoscientists Canada
GIT Task Group

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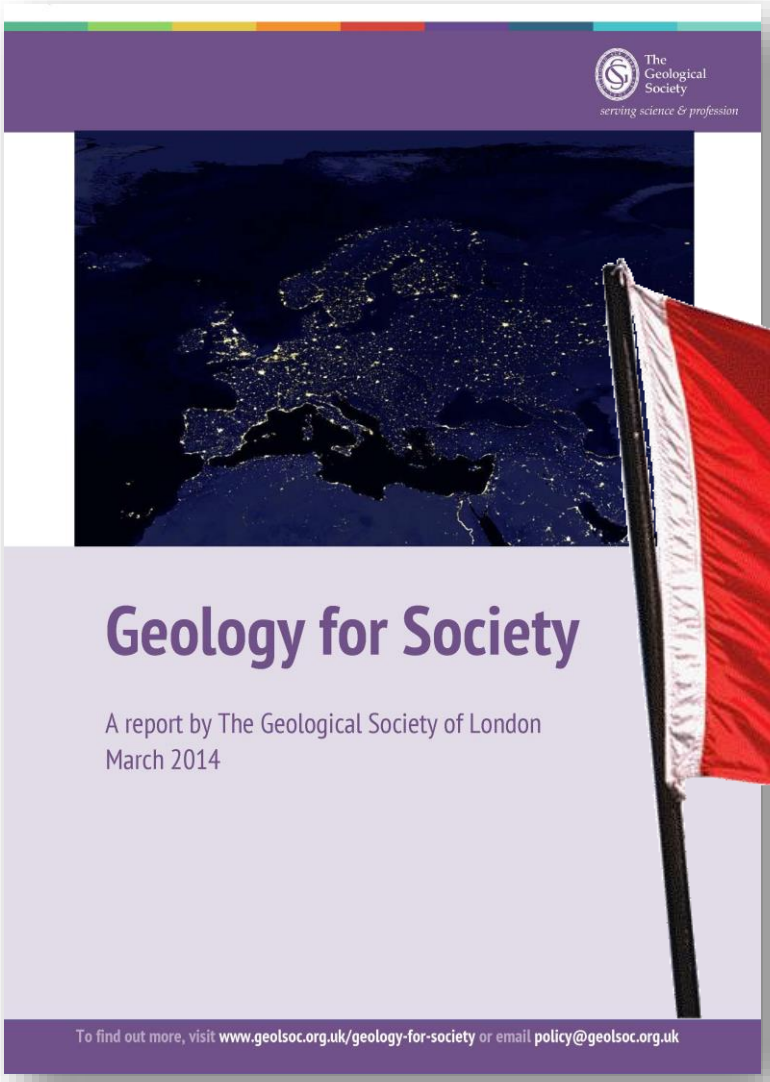

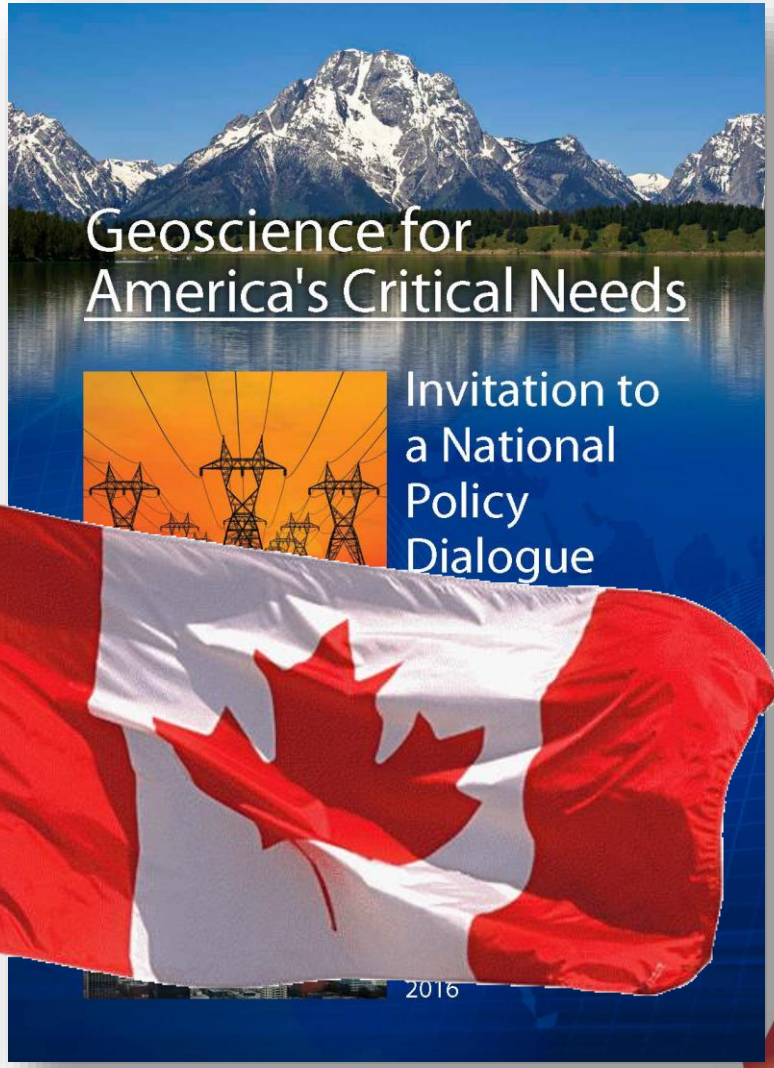

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International Raw Materials Observatory

Press release | Brussels, 19 February 2016
INTRAW - Fostering international cooperation on raw materials

The EU-funded INTRAW project has been formulated with the aim of mapping best practices and boosting cooperation opportunities related to raw materials between the EU and 5 technologically advanced non-EU countries (Australia, Canada, Japan, South Africa and the United States). Each of these five "Reference Countries" is subject to similar global challenges. INTRAW will play a key role in the alignment of the Research and Innovation (R&I) activities among the EU countries, boosting synergies with international research and innovation programmes, and reinforcing the European role and scientific capabilities for the sustainable access and supply of non-agricultural and non-energy raw materials fully

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MORE INFORMATION

http://intraw.eu

Coordinator - European Federation of Geologists (EFG)
Vítor Correia, President
efg.president@eurogeologists.eu
Isabel Fernández Fuentes, Executive Director
isabel.fernandez@eurogeologists.eu

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement n° 642130.

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oscience-Professionalism-and-Geoethics

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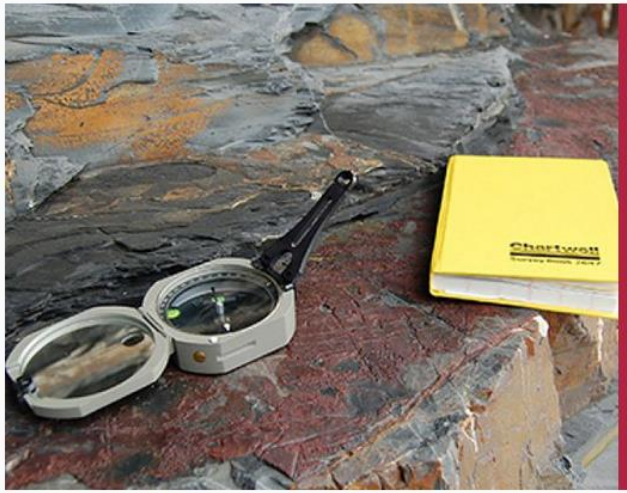
35TH INTERNATIONAL GEOLOGICAL CONGRESS

27 AUGUST - 4 SEPTEMBER 2016 | CAPE TOWN, SOUTH AFRICA

Home > Themes > Global Geoscience Professionalism and Geoethics

GLOBAL GEOSCIENCE PROFESSIONALISM AND GEOETHICS

View all Themes



Theme Champions

Ruth Allington
GWP Consultants
E-MAIL RUTH

Oliver Bonham
Geoscientists Canada
E-MAIL OLIVER

Andy Clay
Venmyn Deloitte
E-MAIL ANDY

The appointment of theme champions may not be complete and names will continue to be added as invitees are confirmed.

DETAILS FOR THE SUBMISSION OF SYMPOSIA CAN BE FOUND ON THE WEBSITE AT www.35igc.org/Scientific Programme

31ST MAY 2015	Deadline for submission of symposium proposals

Global Geoscience Professionalism and Geoethics

There is an increasing demand on the accountability of geoscientists working in the public domain in respect of matters dealing with geohazards, public safety, construction compliance, and reporting of natural resource estimates. This has given rise to the promulgation of statutes, codes of practise and ethical guidelines, similar to those of many other professions. An update on the global development

Inbox - obonham... | Inbox - obonham... | CEO Report Prese...

CANADA

Task Group on Global Geoscience Professionalism

IUGS
Earth Science for the Global Community

Terms of Reference

Purpose

To provide an international forum under the auspices of IUGS for discussion of matters of common concern and interest among geoscientists and geoscientific organizations involved in professionalism, at the local, national and international level.

Functions and Responsibilities

- To act as a resource to IUGS on professionalism in the geosciences as they may influence and impact "Earth Science for the Global Community" in general – both now and in the future;
- To engage and seek participation from geoscience communities in all countries globally;
- To offer and provide leadership and knowledge transfer services to countries and geoscientist communities around the world seeking to introduce systems of professional governance and self-regulation in the Earth sciences;
- To facilitate a more 'joined up' geoscience community fostering better appreciation by academics and teachers of the professional skills that geoscientists need in the workplace, and facilitate better communication between academic and applied communities leading to more effective application of research findings and technology to applied practitioners and development of research programmes that truly address urgent issues;
- To provide geoscientists in all areas of professional practice and at all stages of their careers with practical guidance and support on professional matters,

Sponsors

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AIPG

AUSTRALIAN INSTITUTE OF GEOSCIENTISTS
Supporting Geoscientists

GSSA
Geological Society of South Africa

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RFG 2018

RESOURCES FOR FUTURE GENERATIONS | VANCOUVER, CANADA

Resources for Future Generations

Focusing on: Earth Science, Energy, Minerals and Water

Vancouver Convention Centre
June 16-21, 2018

rfg2018.org

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Questions?

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Geoscientists Canada / Géoscientifiques Canada

QP Short Course for Students

Oct 2016
O. Bonham, P.Geo.
CEO

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The approach

- Cover both minerals and energy
- Awareness - not a "How-to"
- I day duration
- Lectures and "labs"
- Pitched to late 3rd, 4th and Grad studies
- All students - regardless of career aspirations
- Delivery by local P.Geo's from CAs
- Joint Geoscientists Canada/CA branding
- Geoscientists Canada materials/CAs delivery

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Course Outline

Time	Topic
9:00am – 9:30am	Introduction
9:30am – 10:30am	Section A: Reporting Issuer and Securities Background & Case Study 1
10:30am – 10:45am	Break
10:45am – 11:45am	Section B: Qualified Person & Case Study 2
11:45am – 12:45pm	Lunch
12:45pm – 2:15pm	Section C: Mining and NI 43-101 Overview & Case Study 3
2:15pm – 2:30pm	Break
2:30pm – 4:00pm	Section D: Oil & Gas and NI 51-101 Overview & Case Study 4
4:00pm – 4:30pm	Final Questions and Remarks

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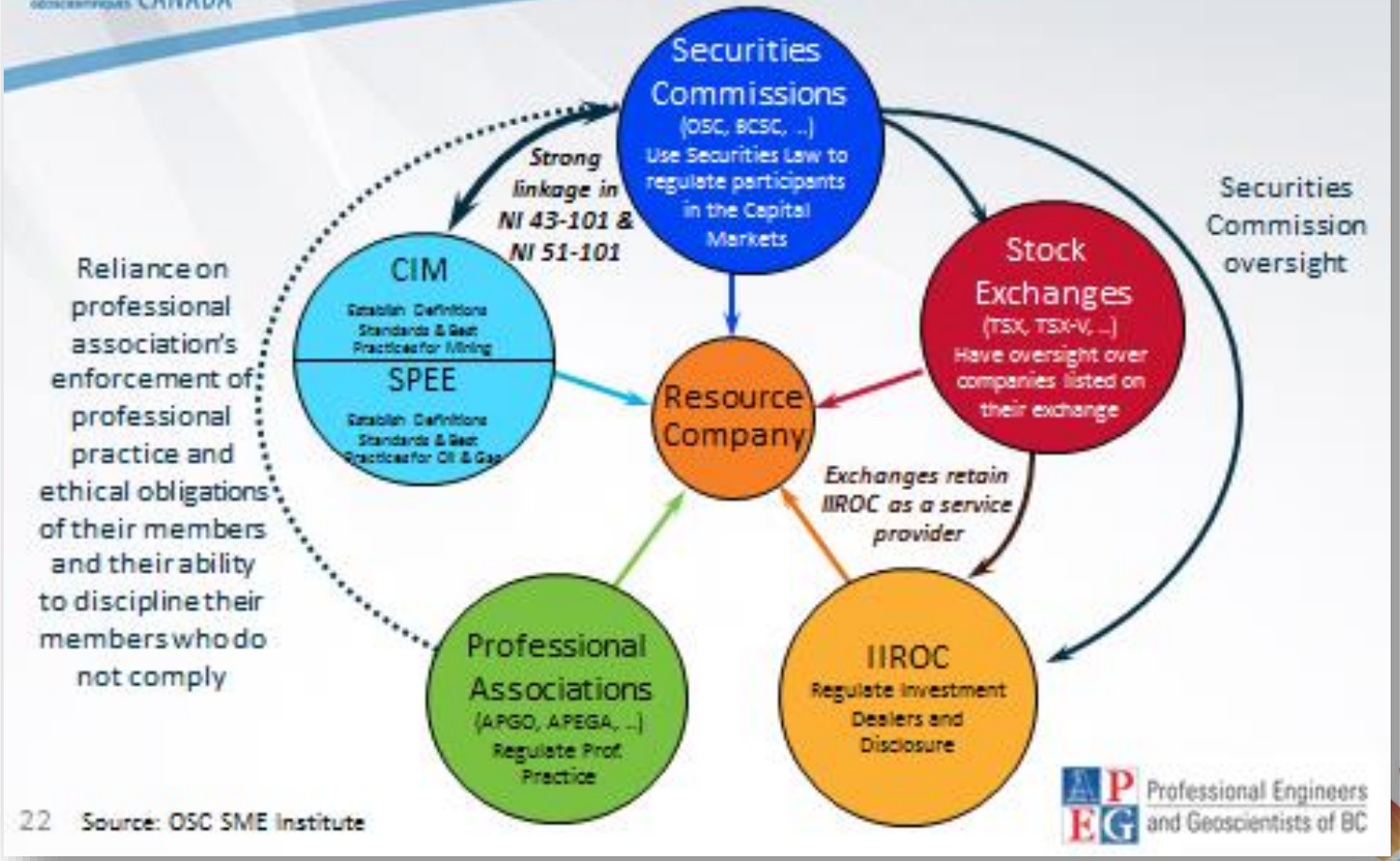
Canadian Regulatory Organizations



22 Source: OSC SME Institute

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Section B: Case Study #2

QP's & Reporting: BC & Ontario compliance reports

Source: Reuters, Jun. 25/09

Source: CBC, Jan 18/13

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Section B: Case Study #2
Discussion Questions

Handouts for Case Study #2

- GROUP 1
  - 2012 Mining Report – Pages 16-18 *Topical Issues and Guidance - Section 4 Mineral Resource Estimation*
- GROUP 2
  - 2013 OSC Report on Staff's Review of Technical Reports by Ontario Mining Issuers – Pages 9-11 Section 3A *Guidance for Mining Issuers in Significant Areas of Concern – Mineral Resource Estimate.*

Oil & Gas Overview

- Evaluation Process
- Classification
  - The Canadian Oil and Gas Evaluation Handbook (COGEH)
- Reporting
  - National Instrument 51-101

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Section D: Case Study #4
Oil and Gas Disclosure – Blue Range

ASC Releases Decision on Blue Range Hearing

Dec 21 2006

An Alberta Securities Commission (ASC) panel has found that two former senior officers of Blue Range Resource Corporation contravened Alberta securities laws and acted contrary to the public interest. The panel found former CEO J. Gordon Ironside and former CFO Robert W. Ruff failed to make fair, accurate public disclosure of material information during 1997 and 1998.

The panel found that they:

- Failed to follow Generally Accepted Accounting Principles (GAAP) when they withheld [illegible] their outside auditor in the conduct of Blue Range's audit to avoid proper classification
- Materially overstated natural gas reserves by 6.9% by disclosing new senior category [illegible]
- Used a "management adjustment" of 13.6% to inflate disclosed natural gas sales [illegible]
- Issued a press release announcing 30% increases of new natural gas production while [illegible] production overall was forecast to decline by 20%.
- Engaged in a business activity of significantly overcontracting natural gas sales without [illegible] risk to the market.

Source: Reuters, Jun. 25/09

ASC Sanctions Two Former Blue Range Executives

Nov 08 2007

An Alberta Securities Commission (ASC) panel has issued sanctions against Gordon Ironside and Robert W. Ruff, two former senior officers of Blue Range Resource Corporation.

The ASC panel has ordered Ironside, the former Blue Range CEO, be denied the use of the exemptions under Alberta securities laws (except in limited circumstances) and be permanently banned from holding any position as an officer or director of any issuer. In its decision, the panel stated, "we are satisfied from his past actions and continued justifications and deflections that were Ironside to act once again as a senior officer or director there is a very serious risk that he would engage in similar unacceptable conduct." The panel also has ordered Ironside to pay an administrative penalty of $80,000.

The panel has ordered that Ruff, the former Blue Range CFO, be banned from holding a position as an officer or director of any issuer for 10 years and pay an administrative penalty of $50,000.

In December 2006 the ASC panel found that Ironside and Ruff, as senior officers (and Ironside in his position as a director) of Blue Range were responsible for the preparation and dissemination of information to the public that did not reflect Blue Range's true economic condition or give market participants all of the necessary and relevant information to enable a fair and accurate assessment of Blue Range. The panel found that Ironside and Ruff's misconduct included:
withholding relevant information from Blue Range's auditor;
permitting Blue Range to employ an unusual, possibly unique method for volumetric reporting of its reserves and production that had not been disclosed to the public; and
allowing other misrepresentations in Blue Range's public disclosure.
"Their actions were contrary to the most basic standards that the public expects – and that we demand – of CEOs and CFOs," the panel noted. "We believe that a strong sanction...will inform senior management and boards of directors of public issuers [entered in the Alberta capital market of the importance of instilling a culture of compliance with Alberta securities laws and the importance of implementing practices and procedures that support fair, accurate and timely disclosure by public

Source: CBC, Jan 18/13

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Construction Process

- Securities Committee
- Consultant
- Existing slide decks
- - Waldie and Whyte, Wilson, Elliott….
- Initial drafts - Committee reviewers
- Final working draft - External reviewers - OSC, BCSC, ASC, QPs
- Slide refinements/ Case study adjustments
- Beta Testing - Oct 29 at SFU
- 186 slides - 4 sets handouts
- Certificate, Evaluation Form

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