



IAPGeoethics Newsletter n. 4 (2017)

This is the official newsletter of the IAPG. It contains news about events, initiatives, publications on Geoethics by the IAPG.

The IAPG is a multidisciplinary, scientific community and aims at creating awareness about application of ethical principles to theoretical and practical aspects of Geosciences. The IAPG is affiliated to the IUGS - International Union of Geological Sciences, AGI - American Geosciences Institute, GSA - Geological Society of America, GSL - Geological Society of London, GIRAF - Geoscience Information in Africa Network, ICPHS - International Council for Philosophy and Human Sciences.

The IAPG is legally recognized as a not-for-profit association, has **1,816 members** in **123 countries** on 5 continents, and can count on a network of **28 national sections**.

Send any kind of information about Geoethics that could be published in the IAPG webpages to: iapgeoethics@aol.com

International Website: <http://www.geoethics.org>

Blog: <http://iapgeoethics.blogspot.it>

IAPG newsletter collection: <http://www.geoethics.org/newsletter.html>

Membership

Becoming an IAPG member is easy! Fill in the form in the IAPG website at <http://www.geoethics.org/membership.html>. No fee is required at this time.



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SUMMARY

- Call for abstracts on geoethics	pag.	2
- Lectures	pag.	6
- National sections	pag.	7
- Publications	pag.	10
- White Paper on Responsible Mining	pag.	13
- Geoethics Medal	pag.	14
- From IAPG Blog	pag.	14
- Donations	pag.	16

CALL FOR ABSTRACTS ON GEOETHICS

**Join us: choose the session
and submit your abstract!!!**



RFG 2018

Resources for Future Generation Conference

The Conference on Energy, Minerals, Water, The Earth
Vancouver (Canada), 16-21 June 2018

Deadline for the abstract submission: 15 January 2018

RFG2018 will foster constructive dialogue for the development of a sustainable future by inviting big thinkers to focus on practical matters, such as the availability of natural resources to meet human needs in the best way possible. Experts from a wide variety of backgrounds,

IAPG - International Association for Promoting Geoethics (<http://www.geoethics.org>)

engaged youth, and civil society from all over the world will attend to explore six technical and societal themes vital to the long-term health and support of our planet and population.

IAPG is technical partner of the Resources Future Generations - RFG 2018 Conference (Vancouver, 16-21 June 2018), and **organizes or supports 5 sessions on different issues of geoethics** under the Theme "Resources and Society: Social & Ethical Values" (the extended description of each session is available at: <http://www.geoethics.org/rfg2018>):

Session RS13 - Geoethics and Environmental and Social Responsibility: Doing the Right Thing to Develop Resources for Future Generations

Meeting the resource needs of future generations is a great challenge facing global society in which geoscientists and engineers have a vital role to play. The conveners invite submission of abstracts on practical and theoretical aspects of geoethics, and environmental and social responsibility, and on case studies, by focusing on challenges of sustainably meeting future demand for georesources. This session is jointly organized by the IAPG - International Association for Promoting Geoethics, and by the Environmental and Social Responsibility Society of the Canadian Institute of Mining. *Convenership: Giuseppe Di Capua, Silvia Peppoloni, Peter Bobrowsky, Selina Tribe, Kim Bittman, Jan Boon, Karen Chovan, Édith Garneau, Carol Jones, Roberto Lencina, Isabelle Levesque.*

Session RS10 - Geoethics in geoscience education, communication and citizen science: experiences, approaches, and concepts

Sharing experiences and insights from education, communication and citizen science, particularly with reference to natural resource case studies, this session will explore the ethical principles and practices by which the geosciences can advance the well-being and progress of society. The session is jointly organized by the IAPG - International Association for Promoting Geoethics and the GSL - Geological Society of London. *Convenership: Silvia Peppoloni, Nic Bilham, Martin Bohle, Iain Stewart.*

Session RS9 - Geoethics in georisks management for a safer and more resilient society

A geoethical approach to georisks management needs to combine ethical, social and cultural values with technical and economic considerations, and to increase the awareness of geoscience community and society about the importance of developing actions of prevention. Abstracts on the ethical issues, including case studies, in studying and managing georisks in the geo-resources field are welcome. This session is organized by the IAPG - International Association for Promoting Geoethics. *Convenership: Giuseppe Di Capua, Peter Brobrowsky, Vincent Cronin, Silvia Peppoloni, Stefano Tinti.*

Session RS8 - Geoethics and the Responsible Conduct of Scientists

This session is focused on the ethical behaviors of scientists that are based on trust, respect, responsibility, fairness, justice and exercise of power. Interpersonal relations impact the ability

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of all scientists to work in a safe, inclusive, and productive environment. Contributions are invited that explore the principles, case studies, strategies, and resolution of issues that relate to professional conduct in areas such as supervisor-worker, faculty-student, editor-author, individual-team interactions, and client-contractor relations, and situational ethics such as coercion to engage unethical conduct of research, sexual harassment, bullying, and other coercive or abusive behaviors. *Convenership: David Mogk, Susan Kieffer, Cindy Palinkas.*

Session RS12 - Forensic Geology: Ethics, Communication, Regulation and Opportunities

Recently, forensic geology has experienced global expansion and development, facilitated by the success of the IUGS Initiative on Forensic Geology, established in 2006. We will explore: ethical issues of geoscience data and expert opinion communication; assessing the strengths and limitations of geoscience data in forensic investigations; sampling strategies and geostatistics; ground search resources; application of geoscience databases; accreditation and regulation in forensic geology; alignment with forensic science; and case studies, including the illegal trade in geological commodities and international wildlife crime. In addition, dealing with sensitive human issues and handling human remains and sensitive data will be discussed. *Convenership: Duncan Pirrie, Rosa Maria Di Maggio, Lorna Dawson, Laurance Donnelly, Silvia Peppoloni, Giuseppe Di Capua.*

Read more about these sessions at: <http://www.geoethics.org/rfg2018>

Deadline for the abstract submission: 15 January 2018

Start your abstract submission:

<http://rfg2018.gibsongroup.ca/abstract-submission.php>

Learn more about our confirmed speakers and register:

http://bit.ly/RFG18_Speakerslineup





EGU - General Assembly 2018

Vienna (Austria), 8-13 April 2018

IAPG organizes the session EOS4 entitled:

Geoethics: ethical, social and cultural implications of geoscience knowledge, education, communication, research and practice

Deadline for the abstract submission: 10 January 2018

Convenership: Silvia Peppoloni, Nic Bilham, Martin Bohle, Giuseppe Di Capua, Eduardo Marone.

The conveners invite abstracts on both practical and theoretical aspects of geoethics, including case studies. The aim of the session is to develop ethical and social perspectives on the challenges arising from human interaction with natural systems, to complement technical approaches and solutions, and to help to define an ethical framework for geoscientists' research and practice in addressing these challenges. The session is organized by the IAPG - International Association for Promoting Geoethics in cooperation with the Geological Society of London.

Read the extended session description: <http://www.geoethics.org/egu2018/>



Geoscience & Society Summit

Bridges to Global Health, Resilience, and Sustainability

Fairmont Southampton in Hamilton, Bermuda (UK), 23-28 September 2018

The Summit aims to create a highly interactive forum for effective cooperation between scientists and users of scientific information to better tackle global and local challenges around sustainability of natural resources and systems, global health, and resilience.

IAPG - International Association for Promoting Geoethics (<http://www.geoethics.org>)

IAPG - International Association for Promoting Geoethics is one of the ten internationally recognized geoscience organizations that sponsor the conference: American Geophysical Union, Geological Society of America, Geology in the Public Interest, Department of Geology and Environmental Science at Wheaton College, American Geosciences Institute, American Association of Petroleum Geologists, Geological Society of London, Geoscientists Without Borders, Geology for Global Development, International Association for Promoting Geoethics.

[Download the flyer](#)

LECTURES



IAPG at AGU 2017



Susan Kieffer (IAPG Vice-President) gives an invited speech in the Union session U14A entitled "How Do We Ensure Research and Scientific Integrity? A Diverse Panel Discusses the Critical Components and Challenges of Crafting and Implementing Effective Scientific Integrity Policies." and convened by Elizabeth A Landau (AGU - American Geophysical Union), Kasey White (GSA - Geological Society of America), and Maeve A Boland (AGI - American Geosciences Institute). Her paper (code U14A-06), titled "**The International Association for Promoting Geoethics: Mission, Organization, and Activities**" is co-signed by Silvia

Peppoloni (IAPG Secretary General) and Giuseppe Di Capua (IAPG Treasurer). Susan will give her presentation on Monday, 11 December 2017 from 16:00 to 18:00, at New Orleans Ernest N. Morial Convention Center - E2.

[Programme of the Union Session U14A](#)



IAPG in the WISE Multiplier Event in Porto

Giuseppe Di Capua (IAPG Treasurer) and **Iain Stewart** (IAPG Board of Experts on Geoscience Education and Communication), are invited to give speeches respectively on "Geoethics: Promoting Sustainability" and "Geocommunication and Sustainability" at the WISE Multiplier Event organized by **Clara Vasconcelos** (co-coordinator of IAPG-Portugal). WISE is an European Project: "Widening Interdisciplinary Sustainability Education" and Clara Vasconcelos is responsible for an overview report on "Ecosystem Services, Geoethics and Biodiversity". This event takes place at the University of Porto (Portugal) on 11 December 2017.

[More information](#)

NATIONAL SECTIONS



WELCOME TO IAPG-BANGLADESH

The section will work under the responsibility of **Ershadul Haque**, geologist/geophysicist, and **Jahangir Alam**, geologist, working at the Geological Survey of Bangladesh (GSB). Ershadul is Director of Geophysics at GSB from 2015, Jahangir is Assistant Director at GSB from 2012.

Currently IAPG-Bangladesh has 44 members.



[Read more about IAPG-Bangladesh](#)



WELCOME TO IAPG-UNITED KINGDOM

The section will work under the responsibility of **David Craig Ovdia**, Former Director of the British Geological Survey's International Division. Honorary Associate of the University of Dundee, Centre for Energy, Petroleum and Mineral Law.

Currently IAPG-United Kingdom has 53 members.



[Read more about IAPG-United Kingdom](#)



NEWS ABOUT IAPG-CANADA

Jan Boon has been appointed as new coordinator of IAPG-Canada. He replaces Anne Marie Ryan, who IAPG thanks for her work as first coordinator of IAPG-Canada.

Currently IAPG-Canada has 40 members.



Jan Boon has a Ph.D. in geochemistry. He retired in 2007 after a career that included teaching physical chemistry and research on tropical soils, oil sands research, and leadership of the Alberta Geological Survey and the Geological Survey of Canada. Since then he obtained an M.A. degree in globalization and international development and a Ph.D. degree in sociology, with his studies focusing on social responsibility in mineral exploration and mining. Most of these studies were carried out in Latin America. He is a member of the Executive Committee of the Centre for Excellence in CSR (Canada), and has been a member of the

CSR Committee and is a member of the International Affairs Committee of the Prospectors and Developers Association of Canada. He currently is a member of the Environment and Social Responsibility Society of the Canadian Institute of Mining and of the Instituto de Ingenieros de Minas del Perú. Jan is member of the IAPG Task Group on Responsible Mining.

List of the IAPG National Sections



PUBLICATIONS



[HOME](#) [ABOUT](#) [USER HOME](#) [SEARCH](#) [CURRENT](#)

[Home](#) > [Archives](#) > [Vol 60 \(2017\)](#)

Vol 60 (2017)

Fast Track 7: Geoethics at the heart of all geoscience

Edited by Silvia Peppoloni, Giuseppe Di Capua, Peter T. Bobrowsky, Vincent S. Cronin

Geoethics at the heart of all geoscience

Peppoloni Silvia, Di Capua Giuseppe, Bobrowsky Peter T., Cronin Vincent S. (Eds.)

Geoethics at the heart of all geoscience

Annals of Geophysics, 2017, Vol. 60, Fast Track 7

15 papers of the new IAPG special volume on geoethics in Annals of Geophysics have been published online and are now available for **free download**:

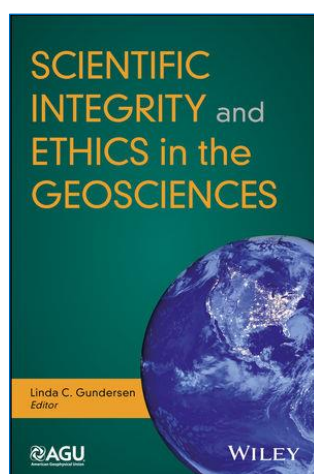
- **Green Mining – A Holistic Concept for Sustainable and Acceptable Mineral Production** (by Pekka Nurmi)
- **Geoethics in science communication: the relationship between media and geoscientists** (by Franco Foresta Martin, Silvia Peppoloni)
- **A Concept of Society-Earth-Centric Narratives** (by Martin Bohle, Anna Sibilla, Robert Casals I Graells)
- **Delivering Sustainable Development Goals: the need for a new international resource governance framework** (by Edmund Nickless)
- **Furthering Ethical Requirements for Applied Earth Science** (by Martin Bohle, Erle C. Ellis)
- **Geosciences at the service of society: the path traced by Antonio Stoppani** (by Stefania Lucchesi)
- **Some Fundamental Issues in Geoethics** (by David M. Abbott)
- **Public Policies, Social Perception and Media Content on Fracking: An Analysis in the Spanish Context** (by Emilia Hermelinda Lopera-Pareja, Ana Garcia Laso, Domingo Alfonso Martin-Sanchez)
- **Geoscience Engagement in Global Development Frameworks** (by Joel C. Gill, Florence Bullough)

- **On the Contribution of Philosophical and Geoscientific Inquiry to Geoethics (qua Applied Ethics)** (by Thomas Pözlner)
- **The Role for a Large Scientific Society in Addressing Harassment and Work Climate Issues** (by Billy M. Williams, Christine McEntee, Brooks Hanson, Randy Townsend)
- **Geoethics: ethical, social and cultural implications in geosciences** (by Silvia Peppoloni, Giuseppe Di Capua)
- **The Cape Town Statement on Geoethics** (by Giuseppe Di Capua, Silvia Peppoloni, Peter T. Bobrowsky)
- **Dilemmas of Promoting Geoscience Workforce Growth in a Dynamically Changing Economy** (by Christopher M. Keane, Maeve Boland)
- **Ethical but Upsetting Geoscience Research: A Case Study** (by Thomas Pözlner, Florian Ortner)

Other 11 papers will be published in the next weeks.

We will keep you informed about the next papers that will be published in the special issue.

Free download



Scientific Integrity and Ethics in the Geosciences

Gundersen Linda C. (Ed.)

Scientific Integrity and Ethics in the Geosciences

2017, p. 336, American Geophysical Union, Wiley, ISBN 978-1-119-06778-8

Table of Contents

Contributors

Preface

Acknowledgements

Section I. Examples of Recently Developed International and National Codes and Policies

Chapter 1. **The Origin, Objectives and Evolution of the World Conferences on Research Integrity** (by Nicholas H. Steneck, Tony Mayer, Melissa S. Anderson, Sabine Kleinert)

Chapter 2. **Fostering Integrity in Research: Overview of the National Academies of Sciences, Engineering, and Medicine Report** (by Thomas Arrison and Robert Nerem)

Chapter 3. **Scientific Integrity – Recent Department of Interior Policies, Codes, and their Implementation** (by Alan Thornhill and Rick Coleman)

Section II. The Role of Geoscience Professional Societies in Scientific Integrity and Ethics

Chapter 4. **The American Geosciences Institute Guidelines for Ethical Professional Conduct** (by Maeve A. Boland and David W. Mogk)

Chapter 5. **American Geophysical Union Adopts and Implements A New Scientific Integrity and Professional Ethics Policy** (by Michael McPhaden)

Chapter 6. **The National Association of State Boards of Geology (ASBOG®) Involvement in Geoscience Professional Ethics** (by John Williams)

Chapter 7. **Brief History and Application of Enforceable Professional Geoscience Ethics Codes** (by David M. Abbott, Jr.)

Section III. Scientific Integrity and Ethics in Publications and Data

Chapter 8. **The New Landscape of Ethics and Integrity in Scholarly Publishing** (by Brooks Hanson)

Chapter 9. **Scientific Integrity and Ethical Considerations for the Research Data Life Cycle** (by Linda C. Gundersen)

Section IV. Ethical Values and Geoethics

Chapter 10. **Understanding Coupled Ethical-Epistemic Issues Relevant to Climate Modeling and Decision Support Science** (by Nancy Tuana)

Chapter 11. **The Emerging Field of Geoethics** (by Peter Bobrowsky, Vincent S. Cronin, Giuseppe Di Capua, Susan W. Kieffer, Silvia Peppoloni)

Section V. Scientific Integrity, Ethics, and Geoethics in Education

Chapter 12. **Experiential Ethics Education** (by Vance S. Martin and Donna C. Tonini)

Chapter 13. **Teaching Geoethics Across the Geoscience Curriculum: Why, When, What, How, and Where?** (by David W. Mogk, John W. Geissman, and Monica Z. Bruckner)

Chapter 14. **Facilitating a Geoscience Student's Ethical Development** (by Vincent S. Cronin)

Appendix A. Case Studies for Science Integrity and Geoethics Practice

Appendix B. Resources and References for Scientific Integrity, Ethics, and Geoethics

[Read more](#)

[Other IAPG books and special issues](#)

WHITE PAPER ON RESPONSIBLE MINING



Drafting Committee: Nikolaos Arvanitidis, Jan Boon, Pekka Nurmi, Giuseppe Di Capua
(IAPG - Task Group on Responsible Mining)

This document intends to provide essential reference elements for framing this important topic (responsible mining) from an ethical perspective and to draw geoscientists', companies', policy makers' and society's attention to the ideas and approaches that the actors involved in mining have developed and use. It thereby illustrates the need for geoethics and, for those working in this field it shows areas in which they can put the values enunciated in the "[Cape Town Statement on Geoethics](#)" into practice. This document summarizes the results of an extensive survey of relevant literature. The bibliography lists relevant source documents. The White Paper on Responsible Mining has been approved by the IAPG Executive Council on 1 December 2017.

[Download the White Paper on Responsible Mining](#)

GEOETHICS MEDAL



2018 edition

The Geoethics Medal rewards scientists who have distinguished themselves in applying/favouring/assuring ethical approaches in the geoscience research and practice.

The idea to establish the IAPG Geoethics Medal was conceived in April 2016 during the IAPG Council Meeting held during the EGU General Assembly in Vienna. The medal was unanimously approved by the first IAPG General Assembly held in Cape Town, on 31 August 2016. The Geoethics Medal is assigned annually.

The first edition of the Geoethics Medal has been launched on 18 October 2017, during the Global Ethics Day 2017 of the Carnegie Council for Ethics in International Affairs.

[Read more about nominations](#)

FROM THE IAPG BLOG



Earth first - we'll mine other planets later

(by Ian Thomson, Canada)

"... Given the complexity of dealing with social issues here on Earth, it is easy to see why the idea of mining asteroids and planets is so enticing. ..."

[Read here the full article](#)



What is the Social License to Operate? Origin and concepts

(by Ana Lúcia Frezzatti Santiago, Brazil)

"... getting a Social License to Operate is first of all to ensuring good relations with the community! ..."

[Read here the full article](#)



There is more to shared value than you might think

(by Ian Thomson, Canada)

"... Shared Value has potential provided it is tempered by rational application through recognition and reasonable alignment between the values of both company and community. ..."

[Read here the full article](#)



Other articles from the IAPG blog:

<http://www.geoethics.org/articles-from-iapg-blog>

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