



IAPGeoethics Newsletter n. 2 (2019)

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, CFES - Canadian Federation of Earth Sciences, ICPHS - International Council for Philosophy and Human Sciences.

The IAPG is legally recognized as a not-for-profit association, has **2,263 members** in **127 countries** on 5 continents, and can count on a network of **30 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.

Donations: <http://www.geoethics.org/donations>



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Geoethics at the 36th IGC

**International Geological Congress
Delhi (India), 2-8 March 2020**

**Call for Abstracts
(deadline: 15 October 2019)**



Symposium 1.7 (Theme 1 "Geoscience for Society"):
Geoethics: Ethical, Social, and Cultural Aspects in Geosciences

Convenership:

Silvia Peppoloni (Italy), Nic Bilham (UK), Peter T. Bobrowsky (Canada), Martin Bohle (Belgium), Vincent S. Cronin (USA), Giuseppe Di Capua (Italy)

Short description (full description: <http://www.geoethics.org/36thigc>):
This symposium, organized by IAPG - International Association for Promoting Geoethics, aims to develop ethical and social discussion on following topics, including case-studies:

- Theoretical aspects of geoethics
- Research integrity and professional deontology in geosciences
- Ethical aspects of geoscience education (including the issue from theory to educational practice) and communication
- Geoethics in natural-anthropogenic risk management
- Geoethics for responsible use of geo-resources, including legislation, best practices, and social acceptance for mining activities
- Geoethics in addressing global societal challenges

Important dates:

- **No abstract submission fee till 15 September 2019**
- From abstract submitted between 16 September and 15 October 2019, 20 USD of abstract submission fee
- Super-early bird registration deadline: 31 August 2019

Read more about the IAPG Symposium 1.7 on Geoethics:

<http://www.geoethics.org/36thigc>

Abstract submission:

<https://www.36igc.org/abstract-submission>

Geoethics & Groundwater Management: Theory and Practice for a Sustainable Development

**International Congress IAPG-IAH
Porto (Portugal), 21-25 October 2019**

**Call for Abstracts
(deadline: 15 November 2019)**



Groundwater is the most abundant and widespread source of liquid freshwater on the planet. It is also currently a threatened water resource in terms of quantity and quality due to climate and anthropogenic stresses. Meanwhile, there are aquifers that remain untapped in regions or periods of water scarcity.

The joint event IAPG - International Association for Promoting Geoethics and IAH - International Association of Hydrogeologists will be an excellent occasion for discussing and sharing values, best practices and strategies to manage water resources for a sustainable future.

This International Congress convenes groundwater specialists, scholars and professionals, as well as educators, students, and early career colleagues for discussing theory and practice, sharing values, knowledge, research, educational projects, best practices and strategies aiming at the responsible integrated management of groundwater resources for a resilient and sustainable future.

Website:

<https://geoeth-gwm2019.wixsite.com/porto>

Abstract submission:

<https://geoeth-gwm2019.wixsite.com/porto/publications>

Video: Geoethics and responsible use of geo-resources

A video released by the European project GOAL



In this video Giuseppe Di Capua (geologist, technologist at the Istituto Nazionale di Geofisica e Vulcanologia, Treasurer of the IAPG - International Association for Promoting Geoethics) introduces the audience to the geoethical aspects related to responsible use of geo-resources.

The video is part of the Intellectual Outputs (IO1) of the European Erasmus+ project GOAL "Geoethics Outcomes and Awareness Learning" (<https://goal-erasmus.eu/>).

IAPG is official partner of the project GOAL.

This video in the IAPG YouTube channel:
<https://youtu.be/23nwwu79sSA>



Video: Geoethical issues in prediction and prevention of potentially catastrophic natural events

International Meeting of the American Association for the Advancement of Science (AAAS)



Stefano Tinti (President of the IAPG - International Association for Promoting Geoethics) was invited to deliver a talk on the ethical aspects in the prevention and forecasting of natural disasters at the International Meeting of the AAAS - American Association for the Advancement of Science, entitled: "Acutely Ethical: Principles and Guidelines on the Use of Location-Based Data in Crisis Situations", dedicated to addressing the responsible use of geospatial data in response to human rights and humanitarian needs in crises.

The workshop took place in Washington (USA), on 20 March 2019.

This video in the IAPG YouTube channel:
<https://youtu.be/aHdZBp0cJbc>

Geoethics Medal 2019

Linda Gundersen awarded in the 2019 edition



We are pleased to inform that the Geoethics Medal 2019 of the IAPG has been awarded to Linda Gundersen, scientist emeritus at the U.S. Geological Survey, *"for her unselfish work and scholarly contributions in leading the advancement in scientific integrity and professional ethics in the geosciences. Gundersen's transformative work across governmental, academic, non-profit, and private institutions has made her one of the world's leading authorities in "geoethical" scholarship, policy and practice. Linda Gundersen was one of the early leaders in proactively promoting what is now called geoethics. She created and was first Director of the USGS Office of Science Quality and Integrity, implementing bureau-wide programs in scientific integrity, ethics, publication, research excellence, post-doctoral fellows, youth internships, education, and Tribal relations. Since retiring in 2012 she has dedicated her time to promoting scientific integrity, ethics, and diversity in the geosciences, including leading and/or influencing major ethics policy revisions at the American Geophysical Union, the American Geosciences Institute, The Geological Society of America, and the U.S. National Academies of Sciences. Linda sets the example for highest standard of geoethics service, practice, and scholarly excellence."*

Read more:

<http://www.geoethics.org/geoethics-medal>

SpringerBriefs in Geoethics

A new IAPG editorial initiative



SpringerBriefs in Geoethics envisions a series of short publications that aim to discuss ethical, social, and cultural implications of geosciences knowledge, education, research, practice and communication.

The intention is to present concise summaries of cutting-edge theoretical aspects, research, practical applications, case-studies across a wide spectrum.

SpringerBriefs in Geoethics are seen as complementing monographs and journal articles, or developing innovative perspectives with compact volumes of 50 to 125 pages, covering a wide range of contents comprising:

- philosophy of geosciences and history of geosciences thinking;
- research integrity and professionalism in geosciences;
- working climate issues and related aspects; geoethics in georisks and disaster risk reduction;
- responsible georesources management;



- ethical and social aspects in geoeducation and geosciences communication;
- geoethics applied to different geoscience fields including economic geology, paleontology, forensic geology and medical geology;
- ethical and societal relevance of geoheritage and geodiversity;
- sociological aspects in geosciences and geosciences-society-policy interface;
- geosciences for sustainable and responsible development;
- geoethical implications in global and local changes of socio-ecological systems;
- ethics in geoengineering;
- ethical issues in climate change and ocean science studies;
- ethical implications in geosciences data life cycle and big data;
- ethical and social matters in the international geoscience cooperation.

Typical topics might include:

- Presentations of core concepts.
- Timely reports on state-of-the art.
- A bridge between new research results, as published in journal articles, and a contextual literature review.
- Innovative and original perspectives.
- A snapshot of a hot or emerging topic.
- In-depth case studies or examples.

Both solicited and unsolicited volumes are considered for publication in the SpringerBriefs in Geoethics. Potential authors are warmly invited to complete and submit the Briefs Author Proposal form. All projects will be submitted to the editor-in-chief for the consideration of the editorial review by the editorial board.

SpringerBriefs are characterized by expedited production schedules with the aim for publication 8 to 12 weeks after acceptance and fast, global electronic dissemination through the online platform SpringerLink.

The standard concise author(s) contracts guarantee that:

1. an individual ISBN is assigned to each volume;
2. each volume is copyrighted in the name of the authors;
3. authors and IAPG retains the right to post the pre-publication version on their respective websites.

The Series in Geoethics is initiated and supervised by Silvia Peppoloni (editor-in-chief) and an editorial board formed by Nic Bilham, Peter T. Bobrowsky, Vincent S. Cronin, Giuseppe Di Capua, Rika Preiser, Artur Agostinho de Abreu e Sá, Iain Stewart.

The SpringerBriefs in Geoethics is sponsored by IAPG - International Association for Promoting Geoethics.

SpringerBriefs in Geoethics:

<http://www.geoethics.org/springerbriefs-geoethics>

New coordinators of IAPG national sections



Nima Nezafati
(IAPG-Iran)

IAPG-Iran

Nima Nezafati is the new coordinator of IAPG-Iran. Nima is Assistant Professor of Economic Geology (and Archaeometry) at the Department of Earth Sciences of the Islamic Azad University, Tehran (Iran). Nima replaces our two former co-coordinators, Vahid Ahadnejad (Geology Department, Payame Noor University, Tehran) and Sedigheh Seifilaleh (in the past, University of Tehran, Institute of Geophysics).

Read more:

<http://iapgeoethics.blogspot.com/2019/07/iapg-iran-has-new-coordinator-nima.html>



Maria Triantaphyllou
(IAPG-Greece)

IAPG-Greece

Maria Triantaphyllou has been appointed new co-coordinator of IAPG-Greece. She will lead the section together with Gerassimos Papadopoulos.

Maria is Full Professor of Micropaleontology-Paleoenvironment-Stratigraphy at the Faculty of Geology and Geoenvironment, National and Kapodistrian University of Athens (NKUA, Greece) and Invited Professor in the postgraduate program of the Faculty of Geosciences, University of Lille (France).

Read more:

<http://iapgeoethics.blogspot.com/2019/04/iapg-greece-has-new-co-coordinator.html>

IAPG and IAG signed a MoU in Vienna



International Association of Geomorphologists



Association Internationale des Géomorphologues

IAPG - International Association for Promoting Geoethics and IAG - International Association of Geomorphologists signed a MoU - Memorandum of Understanding on 10 April 2019, in Vienna, during the EGU General Assembly 2019.

Silvia Peppoloni, as IAPG Secretary General, and Mauro Soldati, as IAG President, signed the MoU.

The MoU expresses a mutual desire to cooperate on a range of themes in the field of Geoethics. It helps to assure a continued IAPG-IAG cooperation and coordination on issues of common interests.

Read more:

<http://iapgeoethics.blogspot.com/2019/04/iapg-and-iag-signed-mou-in-vienna-mauro.html>

IAPG affiliations, agreements, partnerships:

<http://www.geoethics.org/affiliations-agreements>

IAPG and BDG signed a MoA



IAPG - International Association for Promoting Geoethics and BDG - Berufsverband Deutscher Geowissenschaftler e.V. (Germany) signed a Memorandum of Agreement (MoA) on 12 April 2019. The aim of the MoA is to develop a coordinated approach, where appropriate, for promoting initiatives and events discussing the ethical, social, and cultural implications of geosciences, and favoring high ethical standards in the research and practice of geoscience in order to better serve society. The MoA expresses a mutual desire to cooperate on a range of themes in the field of ethics in Geoscience. It helps to assure a continued IAPG – BDG cooperation and coordination on issues of common interests.

Read more:

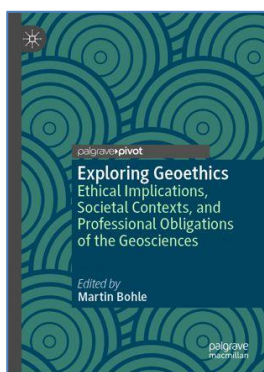
<http://iapgeoethics.blogspot.com/2019/04/iapg-and-bdg-signed-moa-iapg.html>

IAPG affiliations, agreements, partnerships:

<http://www.geoethics.org/affiliations-agreements>

Book: Exploring Geoethics

Ethical Implications, Societal Contexts, and Professional Obligations of the Geosciences



Martin Bohle (Ed.)

2019, Palgrave Pivot, Cham, XIV + 214, ISBN 978-3-030-12009-2

Authors: Martin Bohle, Silvia Peppoloni, Giuseppe Di Capua, Nic Bilham, Eduardo Marone, Rika Preiser

This book explores the potential of geoethics, as designed within the operational criteria of addressing the deeds and values of the human agent as part of the Earth system. It addresses three key questions:

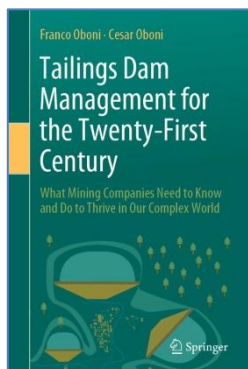
- i) what should be considered 'geoethics' in an operational sense,
- ii) what is peripheral to it, and
- iii) is there a case therefore to establish a denomination, such as geo-humanities or geosophy, to capture a broader scope of thinking about geoscience and its interactions with society and the natural world, for the benefit of the geo-professionals and others.

Read more:

<http://www.geoethics.org/exploring-geoethics>

Book:
**Tailings Dam Management
for the Twenty-First Century**

**What Mining Companies Need to Know
and Do to Thrive in Our Complex World**



Franco Oboni and Cesar Oboni (Eds.)
2020, Springer, Cham, 278 pp., ISBN 978-3-030-19446-8

This book discusses a comprehensive approach to address the need to improve the design of tailings dams, their management and the regulation of tailings management facilities to reduce, and eventually eliminate, the risk of such facilities failing. The book summary is available at <https://www.springer.com/gp/book/9783030194468>. It includes specific sections discussing what the public seeks in terms of disclosure of risk exposures, geo-ethics and its design implications.

Read more:

<http://iapgeoethics.blogspot.com/2019/07/tailings-dam-management-for-twenty.html>

International Geoethics Day

17 October 2019



IAPG officially launched the International Geoethics Day on 12 October 2017, during the Earth Science Week 2017.

The aim of the International Geoethics Day is to raise the awareness of the geoscience community and society as a whole about the importance of ethical, social and cultural aspects of geoscience knowledge, research, practice, education and communication.

The International Geoethics Day is held every year during the Earth Science Week and this year will be celebrated on 17 October 2019.

IAPG welcomes proposals to organize initiatives aimed at promoting geoethics locally and globally to celebrate this day.

Hashtag: **#geoethicsday2019**

Read more:

<http://www.geoethics.org/geoethics-day>

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or make a donation by credit card through PayPal

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<http://www.geoethics.org/donations>



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