



Annual Report 2025

for the
International Union of Geological Sciences
(IUGS)

with contributions of
IUGS Commission on Geoethics and CIPSH Chair on Geoethics

January 2026

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1. General Information

The IAPG was legally recognized as a not-for-profit organization through a public notarial deed on 21st December 2012, repertoire no. 16255, collection no. 8340, Italian Republic.

Head Office c/o:

Istituto Nazionale di Geofisica e Vulcanologia
via di Vigna Murata, 605
00143 Rome, Italy

The IAPG is an affiliated organization of the **International Union of Geological Sciences (IUGS)**, a member organisation of the **International Council for Philosophy and Human Sciences (CIPSH)**, an International Associate Organization of the **American Geosciences Institute (AGI)**, an Associate Society of the **Geological Society of America (GSA)**, an Associate Society of the **Geological Society of London (GSL)**, an Associate Organisation of the **Geoscience Information in Africa - Network (GIRAF)**, an Observer Organization of the **Canadian Federation of Earth Sciences (CFES)**.



CFES FCST
Canadian Federation of Earth Sciences | Fédération Canadienne des sciences de la terre

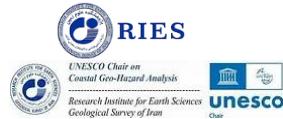


The IAPG has agreements of cooperation with: IGU - International Geographical Union, IUSS - International Union of Soil Sciences, EFG - European Federation of Geologists, EGS - EuroGeoSurveys, AGU - American Geophysical Union, UGM - Unión Geofísica Mexicana A.C., IAH - International Association of Hydrogeologists, IAG/AIG - International Association of Geomorphologists, IUGS-IFG - Initiative on Forensic Geology, AAWG - African Association of Women in Geosciences, WOMEESA - Women in Earth and Environmental Sciences in Australasia, IAEG - International Association for Engineering Geology and the Environment, GSAf - Geological Society of Africa, GC - Geoscientists Canada, BDG - Berufsverband Deutscher Geowissenschaftler e.V., APG - Associação Portuguesa de Geólogos, ASAGAI - Asociación Argentina de Geología Aplicada a la Ingeniería, SGCh - Sociedad Geológica de Chile, GSU - Geological Society of Uganda, GGPG - Global Geoscience Professionalism Group, UCCGHA - UNESCO Chair on Coastal Geo-Hazard Analysis, Iran & RIES - Research Institute for Earth Sciences - Geological Survey of Iran, NKUA-APRL - The National and Kapodistrian University of Athens - Applied Philosophy Research Laboratory, GfGD - Geology for Global Development, JMO - Jeoloji Mühendisleri Odası (Turkish Chamber of Geological Engineers), MJD - Maden Jeologları Derneği (Turkish Association of Economic Geologists), AEG - Association of Environmental & Engineering Geologists, YES - International Network of Young and Early-Career Geoscientists, IGEO - International Geoscience Education Organisation, FCEA - Forum for Climate Engineering Assessment, SGP - Sociedad Geológica del Perù, I-GEMA - Instituto de Geociencias Y Medio Ambiente, Arequipa-Perù, ANGE - African Network for Geo-Education, GEVAS Red Argentina.



European
Federation of
Geologists





The IAPG was Global Partner of the International Year of Global Understanding (IYGU), Technical Partner of the IUGS Conference Resource for Future Generation - RFG2018, and Summit Partner of the Geoscience & Society Summit 2019.

International Year of



Finally, the IAPG is partner of the AGU Ethics & Equity Center (<https://ethicsandequitycenter.org/>), supporting partner of the Earth Future Festival (EFF) (<https://www.earthfuturesfestival.com/>) and the Equality, Diversity, and Inclusion in Geoscience (EDIG) project by iCRAg (<https://www.icrag-centre.org/edig/>), and media partner of the UNESCO Lecture Series "Earth Materials for a Sustainable and Thriving Society", co-organized by iCRAg and IUGS (<https://www.icrag-centre.org/news-and-media/conferences-and-events/earthmaterialssustainability.html>).



2. Overall objectives

The IAPG is a multidisciplinary, scientific network for widening discussion and creating consciousness regarding problems of ethics applied to the geosciences, in particular on the ethical, social and cultural implications of geoscience knowledge, research, practice, education and communication. Its overall objectives are:

- developing the discussion on ethical implications in research and practice of geosciences among geoscientists and into society, making geoethics an essential point of reference for any action on land, waters and atmosphere usage that all stake-holders and decision-makers must take into proper account;
- increasing the base research on geoethics and strengthening it with a scientific perspective;
- promoting geoethics values and principles through international cooperation, encouraging the involvement of geoscientists worldwide, with a special attention to those in low-income countries;
- fostering the dissemination of geoethics through websites and social networks, the publication of scientific papers, the organization of meetings and sessions/symposia on geoethics within national and international scientific events;
- encouraging the establishment of both regional and specialty groups; and
- cooperating with national and international organizations whose aims are complementary to those of the IAPG.

The achievement of the IAPG objectives will lead to the:

- identification of methods for a more effective application of geoethical values and principles in geoscience practice and research;

- reflection on the role that geoscientists can have in society and the identification of suitable forms, positions, means and actions to be adopted by them;
- growth of awareness about individual, professional, social, and environmental responsibility, both as geoscientists and as members of civil society;
- involvement of the societal communities in the idea of a common and shared "geo-heritage", to be considered as a cultural, educational and scientific value, as well as an economic resource;
- cultural renewal in the way humans perceive and relate to the planet; and
- the sensitization towards the defense of life and the richness of the Earth.

The IAPG works to develop theoretical and practical activities covering a wide range of topics, including: the philosophy and history of geoscientific thought; research integrity and professionalism in geosciences; workplace climate and related issues; geoethics in geohazards and disaster risk reduction; responsible management of georesources; ethical and social aspects of geoeducation and geoscience communication; applications of geoethics in various fields such as economic geology, paleontology, forensic geology, and medical geology; the ethical and societal relevance of geoheritage and geodiversity; sociological aspects of geosciences and the geoscience-society-policy interface; geosciences for sustainable and responsible development; geoethical implications of global and local changes in socio-ecological systems; ethics in geoengineering; ethical issues in climate change and ocean science; and ethical implications related to the geoscience data life cycle, big data, and the use of artificial intelligence in geosciences, as well as international cooperation in geosciences.

3. Structure and organization

All the IAPG members, including officers, are volunteers.

The bodies of the Association are the:

- 1) Executive Council;
- 2) General Assembly.

The **Executive Council** (<https://www.geoethics.org/executive-council>) consists of:

- a) a President (Prof. Silvia Peppoloni);
- b) two Vice-Presidents (Dr. Peter T. Bobrowsky; Dr. Elizabeth I. Rovere);
- c) a Secretary General and Treasurer (Mr. Giuseppe Di Capua);
- d) six Continental Coordinators (Prof. Vincent S. Cronin – North America, Dr. Marita Ahumada – South America, Dr. Vitor Correia – Europe, Prof. Ezzoura Errami – Africa, Dr. Surya Parkash – Asia, Dr. Matthew Hughes – Oceania).

The **General Assembly** (<https://www.geoethics.org/ga>) consists of all the IAPG members.

The 1st General Assembly was held in Cape Town (South Africa) at the 35th IGC (31 August 2016). The 2nd General Assembly was to be held in Delhi (India) at the 36th IGC (March 2020). Unfortunately it was postponed to the 37th IGC (30 August 2024) due to the SARS-CoV-2 pandemic.

The membership to the IAPG is free. Applicants need to complete an online form at <https://www.geoethics.org/membership>, or send their data via email to the IAPG Secretariat. Currently the **IAPG network** comprises **3350 members** from **131 countries** on **6 continents**.

The IAPG is also represented in **38 countries** through **national sections** (<https://www.geoethics.org/sections>) (coordinators in brackets): **Afghanistan** (Mohammad Salem Hussaini and Asadullah Farahmand), **Argentina** (Elizabeth I. Rovere and Roberto A. Violante), **Bangladesh** (Jahangir Alam), **Bolivia** (Wilfredo Ramos Collorana), **Brazil** (Eduardo Marone), **Cameroon** (Njilah Isaac Konfor and Ndzipshengong Kelvin Ngwang), **Canada** (Paul Hubley), **Chile** (Luisa Pinto Lincoñir), **Colombia** (Clemencia Gómez), **Cuba** (Yurisley Valdes Mariño), **Democratic Republic of Congo** (Jean-Robert Mweze), **Egypt** (Kholoud M. Abdelmaksoud), **France** (David Crookall), **Germany** (Simon Schneider and Dominic Hildebrandt), **Greece** (Gerassimos A. Papadopoulos and Maria V. Triantaphyllou), **India** (Surya Gupta Parkash), **Iraq** (Nawrass N. Ameen and Ameer Hayder Khalid), **Iran** (Parviz Armani), **Italy** (Enrico Cameron), **Jordan** (Mamoon Allan), **Lebanon** (Soumaya Ayadi-Maasri), **Malawi** (Hilton Banda Eneya), **Mexico** (Miguel Rangel Medina), **Nepal** (Shree Prasad Vista and Ranjan Kumar Dahal), **New Zealand** (Matthew Hughes), **Nigeria** (Arinze

Harrison Ikwumelezeh), Pakistan (Muhammad Yaseen and Emad Ullah Khan), **Paraguay** (Moisés Alejandro Gadea Villalba), **Peru** (Cesar Chacaltana), **Portugal** (Clara M. da Silva de Vasconcelos and Paulo Emanuel Talhadas Ferreira da Fonseca), **Romania** (Antoneta Seghedi and Ilies Dorina Camelia), **Serbia** (Miloš Marjanović and Aleksandar Antić), **Spain** (Domingo A. Martín Sánchez), **Turkey** (Yüksel Örgün Tutay and Dündar Çağlan), **Ukraine** (vacant), **United Kingdom** (Antony Benham), **USA** (Cindy M. Palinkas and David Mogk), and **Uruguay** (Leda Sánchez Bettucci).

The IAPG relies on a **Board of Experts (BE)** (<https://www.geoethics.org/experts>) on specific issues related to geoethics. The BE has the important practical function of suggesting themes, articles, and initiatives to our community. The BE is interested in Earth sciences and humanities and in promoting issues on geoethics and the IAPG. Currently the board includes **16 experts**: Martin Bohle, Germany (topic: **Exploring Societal Frameworks of the Earth Sciences**); Elizabeth Silva, Portugal (topic: **Geoethics and Geoparks**); Robert Frodeman, USA (topic: **Geoethics and Philosophy**); Madhumita Das, India (topic: **Geoethical aspects in low-income countries**); Juan Carlos Gutierrez-Marco (topic: **Geoethics in Paleontology**); Paul Cleverley, United Kingdom (topic: Artificial Intelligence (AI) in Geosciences); Christine McEntee, USA (topic: **Harassment and Discrimination in Geosciences**); Iain Stewart, United Kingdom (topic: **Geoscience Education and Communication**); Mike Buchanan, United Kingdom (topic: **Geoethics in Speleology**); Edmund Nickless, United Kingdom (topic: **Geoethics for Society**); David Mogk, USA (topic: **Geo-education and Teaching Geoethics**); Ruth Allington, United Kingdom (topic: **Geoscience Professionalism**); Luis González de Vallejo, Spain (topic: **Geoethics in Engineering Geology**); Manuel João Florentino Gomes Abrunhosa, Portugal (topic: **Geoethics in Groundwater Management**); Tony Mayer, United Kingdom (topic: **Research Integrity**); and Ciro Manzo, Italy (topic: **Geoethics and young geoscientists**).

In 2020, the IAPG established the Early Career Scientists Team (ECST) (<https://www.geoethics.org/ecst>), replacing the Young Scientists Club (YSC) that was active from 2015 to 2019. The ECST had the following goals:

1. Promoting geoethics and the IAPG, with a special target focused on younger and early career scientists/professionals;

2. Working as the interface between IAPG and young/early career scientists' organizations and groups.
3. Starting to self-train a group of geoscientists that would be able to bring the reins of the IAPG into the future and able to continue to develop geoethical thinking, by following multi and transdisciplinary approaches.

The IAPG considered the ECST as its outpost and one of its greatest strengths. The IAPG believed that early career and young scientists could highlight the needs and expectations for the future of geosciences. They could help provide a perspective that is up-to-date and aligned with the new challenges geoscientists must face. Additionally, they could convey emerging societal concerns, identifying potential innovative contributions that geosciences can offer to society.

The 8 members of the ECST Board were early career scientists/professionals and members of the IAPG: **Daniel DeMiguel**, Spain (Spokesperson); **Ndivhuwo Cecilia Mukosi**, South Africa; **Cristina Toma**, Romania; **Sebastian Handl**, Austria; **César Oboni**, Canada; **Bárbara Zambelli**, Brazil; **Alexandra Cardoso**, Portugal; and **Jonathan Rizzi**, Italy/Norway.

The ECST ended its activity on 31 December 2025.

On 4 June 2020, **Vitor Correia** (Portugal) was appointed **IAPG Delegate for Relationships with European Organizations** (<https://www.geoethics.org/delegates>). Delegates are IAPG key-officers, whose aim is to create opportunities for the IAPG in order to facilitate, in specific contexts, projects, initiatives, activities, agreements with other organizations that have the development and promotion of geoethics as their main focus.

On 8 May 2017, the IAPG nominated the **Task Group on Responsible Mining – TGRM** (<https://www.geoethics.org/tgrm>), formed by Nikolaos Arvanitidis (Sweden), Jan Boon (Canada), Pekka Nurmi (Finland), and Giuseppe Di Capua (Italy). The goal of the Task Group has been to draft a document on “Responsible Mining”, on values and concepts that should be considered in mining, including their importance for future generations in the perspective of a sustainable development of our societies. On 1 December 2017, the IAPG Executive Council approved the “White Paper on Responsible Mining” (<https://www.geoethics.org/wp-responsible-mining>), prepared by the Task Group

following a review by an International Panel of Experts comprising Vitor Correia (Portugal), Roberto Lencina (Argentina), David Ovadia (United Kingdom), Mark Rachovides (Canada), and Ian Thomson (Canada). Unfortunately in 2020 Jan Boon, one of the members of the Task Group and co-author of the White Paper, passed away. Moreover another member, Pekka Nurmi, decided to leave the Task Group after his retirement. On 22 December 2020, the TGRM was renewed and 6 members were appointed: **Marita Ahumada** (Argentina); **Estelle Levin-Nally** (United Kingdom); **Vitor Correia** (Portugal); **Roberto Lencina** (Argentina); **Nikolaos Arvanitidis** (Sweden); and **Giuseppe Di Capua** (Italy).

On 26 October 2020, the IAPG has established the **Task Group on Geoethics and Geoheritage - TGGG** (<https://www.geoethics.org/tggg>), comprising 4 members: **José Brilha** (Portugal); **David W. Mogk** (USA); **Silvia Peppoloni** (Italy); and **Giuseppe Di Capua** (Italy). The goal of the Task Group is to draft a document on “Geoethics and Geoconservation”, focused on values and concepts to be considered within the geoscience community and society as a whole, related to geoconservation, geoheritage, geodiversity, geoparks, and geotourism, according to principles of responsibility and dignity, in the perspective of responsible development and nature conservation.

On 5 October 2018, the IAPG, jointly with the IFG – Initiative on Forensic Geology of the IUGS, and established the **Task Group on Geoethics in Forensic Geology - TGGFG** (<https://www.geoethics.org/tggfg>), comprising 3 members: **Lorna Dawson** (United Kingdom); **Silvia Peppoloni** (Italy); and **Rosa Maria Di Maggio** (Italy). The goal of the Task Group is to draft a White Paper on “Geoethics in Forensic Geology”, in order to define ethical values in the applications and best practices of Forensic Geology across the world.

On 21 June 2021, the IAPG has established the **Task Group on Responsible Speleology - TGRS** (<https://www.geoethics.org/tgrs>), currently comprising 3 members: **Mike Buchanan** (United Kingdom); **Oana T. Moldovan** (Romania); and **Aleksandar Antić** (Serbia). Carolyn Ramsey (Canada) resigned from the initial team. On 30 August 2022, the IAPG Executive Council approved the “White Paper on Responsible Speleology” (<https://www.geoethics.org/wp-responsible-speleology>), prepared by the Task Group following a review by an International Panel of Experts.



On 20 July 2019, the **School on Geoethics and Natural Issues** (named "Schola": <https://www.geoethics.org/geoethics-school>) was officially founded by **Peter T. Bobrowsky** (Canada), **Giuseppe Di Capua** (Italy), and **Silvia Peppoloni** (Director of the "Schola", Italy), with the aim to provide excellent education in geoethics.

From 1 January 2021, the IAPG supports the **Journal of Geoethics and Social Geosciences (JGSG)**, a new international scientific journal founded by the Istituto Nazionale di Geofisica e Vulcanologia - INGV (National Institute of Geophysics and Volcanology, Rome, Italy). The editor-in-chief is Silvia Peppoloni (IAPG Secretary General), who proposed the editorial project of this new scientific journal together with Giuseppe Di Capua (IAPG Treasurer) to the President of the INGV in 2021. The journal is operative from 2022 and published its first article on 14 December 2022. JGSG website: <https://www.journalofgeoethics.eu/>.

From January 2024, the IAPG constitutes the **International Geoethics Research Infrastructure (IGRI)** in collaboration with the IUGS Commission on Geoethics (<https://www.geoethics.org/iugs-cg>) and the CIPSH Chair on Geoethics (<https://www.geoethics.org/cipsh-cg>).

4. Interaction with other national/international organizations and projects

The IAPG cooperates with the following organizations (<https://www.geoethics.org/links>):

- African Association of Women in Geosciences (AAWG);
- American Geosciences Association of Environmental & Engineering Geologists (AEG);
- African Geoparks Network (AGN);
- American Geosciences Institute (AGI);
- American Geophysical Union (AGU);
- African Network for Geo-Education (ANGE);
- Associação Portuguesa de Geólogos (APG);
- Asociación Argentina de Geología Aplicada a la Ingeniería (ASAGAI);
- Berufsverband Deutscher Geowissenschaftler e.V. (BDG);

- Canadian Federation of Earth Sciences (CFES);
- International Council for Philosophy and Human Sciences (CIPSH);
- European Federation of Geologists (EFG);
- Earth Future Festival (EFF);
- EuroGeoSurveys (EGS);
- European Geosciences Union (EGU);
- Forum for Climate Engineering Assessment (FCEA);
- Geoscientists Canada/Géoscientifiques Canada (GC);
- GEVAS Red Argentina;
- Geology for Global Development (GfGD);
- Global Geoscience Professionalism Group (GGPG);
- Geoscience Information in Africa - Network (GIRAF);
- Geology in the Public Interest (GPI);
- Geological Society of America (GSA);
- GSAf - Geological Society of Africa (GSAf)
- Geological Society of London (GSL);
- Geological Society of Uganda (GSU);
- International Association for Engineering Geology and the Environment (IAEG);
- International Association for Geoscience Diversity (IAGD);
- International Association of Geomorphologists (IAG/AIG);
- International Association of Hydrogeologists (IAH);
- Instituto de Geociencias Y Medio Ambiente, Arequipa-Perù (I-GEMA);
- International Geoscience Education Organisation (IGEO);
- International Geographical Union (IGU);
- International Union of Geological Sciences (IUGS);
- Initiative on Forensic Geology of the IUGS (IUGS-IFG);
- International Union of Soil Sciences (IUSS);
- International Year of Global Understanding (IYGU).
- The Turkish Chamber of Geological Engineers (JMO-Jeoloji Mühendisleri Odası);
- Turkish Association of Economic Geologists (MJD-Maden Jeologları Derneği);

- The National and Kapodistrian University of Athens - Applied Philosophy Research Laboratory (NKUA-APRL);
- Resources for Future Generations Conference (RFG 2018);
- Research Institute for Earth Sciences - Geological Survey of Iran (RIES);
- South Asian Association of Women Geoscientists (SAAWG);
- Geological Society of Chile (SGCh-Sociedad Geológica de Chile)
- Italian Geological Society (SGI-Società Geologica Italiana);
- Geological Society of Peru (SGP-Sociedad Geológica del Perú);
- UNESCO Chair on Coastal Geo-Hazard Analysis, Iran (UCCGHA);
- Unión Geofísica Mexicana A.C. (UGM);
- International Network of Young and Early-Career Geoscientists (YES) Network;
- World Conferences on Research Integrity (WCRI);
- The Water Ethics Network (WEN);
- Women in Earth and Environmental Sciences in Australasia (WOMEESA).

The IAPG is/was involved in the following international and national projects:

- **CIRAN** - Critical Raw materials extraction in environmentally protected areas (European project): IAPG is involved in the Ethics Advisory Board. This project started in 2023 and ended in 2025.
- **SSH CENTRE project** "An indicator for local knowledge and epistemic justice in climate policy". This project started in 2023. SSH CENTRE is a Horizon Europe project representing the cross-European Centre of Research Excellence for Climate-Energy-Mobility Social Sciences & Humanities (SSH). This project ended in 2024.
- **ERG** - Educational Resources on Geoethics: IAPG is partner of the project. This project started in 2022. This project ended in 2024.
- **GOAL** - Geoethics Outcomes and Awareness Learning: IAPG was a partner of the project (website: <https://goal-erasmus.eu/>). This project ended in 2020.
- **INTERMIN** - International Network of Raw Materials Training Centres: IAPG was member of the International Advisory Board of the project (website: <http://interminproject.org/>). This project ended in 2021.

The IAPG did not receive funds from the ERG and GOAL projects. The IAPG representative in the project INTERMIN, SSH CENTRE, and CIRAN received/will receive only a reimbursement for participation in the project meetings.

5. Chief products

SCHOOL ON GEOETHICS AND NATURAL ISSUES

The School on Geoethics (the “Schola”) was founded on **20 July 2019**. The founding members are Peter Bobrowsky, Giuseppe Di Capua, and Silvia Peppoloni (Director of the “Schola”). The “Schola” is a place for teaching and learning of the principles and values of geoethics in the light of the philosophy and history of Earth sciences. The intent is to provide background knowledge and the evaluation skills necessary to understand the complex relationship between human action on ecosystems and the decisions geoscientists make in the discipline that impact society, including improving the awareness of professionals, students, decision-makers, media operators, and the public on an accountable and ecologically sustainable development. The “Schola” aims to provide excellent education in geoethics, thus promoting the development of a scientific and critical attitude to the knowledge of the Earth and its constituent systems, by fostering a growth of awareness and responsibility towards the planet, education in the values and actions underlying a respect for ecosystems, including responsible use of resources, management of natural risks, reduction of pollution and its repercussions on human health and climate, adaptation to environmental changes, in view of an accountable and ecologically sustainable development. More information and online educational resources are available at <https://www.geoethics.org/geoethics-school>.

SPRINGERBRIEFS SERIES IN GEOETHICS

SpringerBriefs in Geoethics (<https://www.geoethics.org/springerbriefs-geoethics>) was launched on **14 June 2019**. It envisions a series of 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, and 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 in length, covering a wide range of contents on geoethics. This Series in Geoethics was initiated and supervised by Silvia Peppoloni (editor-in-chief, Italy) and an editorial board consisting of Nic Bilham (United Kingdom), Peter Bobrowsky (Canada), Vincent S. Cronin (USA), Giuseppe Di Capua (Italy), Rika Preiser (South Africa), Artur Agostinho de Abreu e Sá (Portugal), and Iain Stewart (United Kingdom). The SpringerBriefs in Geoethics published 3 books.

BOOKS AND SPECIAL ISSUES

- Book: Peppoloni S. and Di Capua G., eds (2025). *Geoethics and Geosciences Serving Society: Reflections from the 37th International Geological Congress*. SpringerBriefs in Geoethics, Springer, Cham, pp. V+121. <https://doi.org/10.1007/978-3-032-03754-1>
- Special Issue: Peppoloni S. and Di Capua G., eds (2025). *25 Years of Advancing Geoethics and Social Geosciences at INGV*. Journal of Geoethics and Social Geosciences, 2(Special Issue). <https://www.journalofgeoethics.eu/index.php/jsgs/issue/view/6>
- Book: Peppoloni S. and Di Capua G., eds. (2024). *Geoethics for the Future: Facing Global Challenges*. Elsevier, pp. XXXI+401. <https://doi.org/10.1016/C2022-0-00487-6>
- Book: Di Capua G. and Oosterbeek L., eds. (2023). *Bridges to Global Ethics: Geoethics at the Confluence of Humanities and Sciences*. SpringerBriefs in Geoethics, Springer, Cham, pp. VII+115. <https://doi.org/10.1007/978-3-031-22223-8>
- Book: Peppoloni S. and Di Capua G. (2022). *Geoethics: Manifesto for an Ethics of Responsibility Towards the Earth*. Springer, Cham, pp. XII+123. <https://doi.org/10.1007/978-3-030-98044-3>
- Book: Rovere E.I., Violante R.A., Re G.H., et al., eds. (2023). *Importancia de las Geociencias en el Ámbito Social*. Mundo Gráfico Salta Editorial, 300 pp., ISBN 978-9876984607
- Special issue: Peppoloni S. and Di Capua G., eds. (2022). *New Advances on Geoethics and Sustainable Development*. Special Issue, Sustainability. https://www.mdpi.com/journal/sustainability/special_issues/geoethics

- Book: Di Capua G., Bobrowsky P.T., Kieffer S.W., and Palinkas C., eds. (2021). *Geoethics: Status and Future Perspectives*. Geological Society, London, Special Publication, 508, pp. VIII+311. <https://doi.org/10.1144/SP508>
- Bohle M. and Marone E., eds. (2021). *Geo-societal Narratives - Contextualising geosciences*. Palgrave Macmillan, Cham, pp. XXV+221. <https://doi.org/10.1007/978-3-030-79028-8>
- Book: Peppoloni S. e Di Capua G. (2021). *Geoetica: Manifesto per un'Etica della Responsabilità verso la Terra*. Prefazione di Telmo Pievani. Saggine, n. 346, pp. 224, Donzelli Editore, ISBN 978-8855221696. <https://www.donzelli.it/libro/9788855221696>
- Book: Abrunhosa M., Chambel A., Peppoloni S., and Chaminé H.I., eds. (2021). *Advances in Geoethics and Groundwater Management: Theory and Practice for a Sustainable Development - Proceedings of the 1st Congress on Geoethics and Groundwater Management (GEOETH&GWM'20), Porto, Portugal 2020*. Springer International Publishing, pp. XXXI+715. <https://doi.org/10.1007/978-3-030-59320-9>
- Book: Peppoloni S. (2021). *Pianeta Terra*. ReWriters MagBook. <https://shop.rewriters.it/product/rewriters-05-2021-pianeta-terra/>
- Special volume: Chaminé H.I., Abrunhosa M., Barbieri M., Naves A., Errami E., Aragão A. and Di Capua G., eds. (2021). *Hydrogeoethics in Sustainable Water Resources Management Facing Water Scarcity in Mediterranean and Surrounding Regions*. Mediterranean Geoscience Reviews, Volume 3, issue 3, <https://link.springer.com/journal/42990/volumes-and-issues/3-3>
- Book: Joel C. Gill and Martin Smith, eds. (2021). *Geosciences and the Sustainable Development Goals*. Springer, pp. XXXIII+474. <https://doi.org/10.1007/978-3-030-38815-7>
- Book: Vasconcelos C., Schneider-Voß S., and Peppoloni S., Eds. (2020). *Teaching Geoethics - Resources for higher education*. U.Porto Edições, pp. 207. <https://doi.org/10.24840/978-989-746-254-2>
- Book: Boon J. (2020) *Relationships and the Course of Social Events During Mineral Exploration - An Applied Sociology Approach*. SpringerBriefs in Geoethics, Springer International Publishing, pp. XIX + 125. <https://doi.org/10.1007/978-3-030-37926-1>

- Book: Bohle M., ed. (2019). *Exploring Geoethics: Ethical Implications, Societal Contexts, and Professional Obligations of the Geosciences*. Palgrave Pivot, Cham, pp. XIV+214. <https://doi.org/10.1007/978-3-030-12010-8>
- Special volume: Peppoloni S., Di Capua G., Bobrowsky P., and Cronin V., eds. (2017). *Geoethics at the heart of all geoscience*. Annals of Geophysics, Vol. 60, Fast Track 7, <http://www.annalsofgeophysics.eu/index.php/annals/issue/view/537>
- Book: Gundersen L.C., ed. (2017). *Scientific Integrity and Ethics in the Geosciences*. pp. XI+327, American Geophysical Union, Wiley, Special Publications 73. <https://doi.org/10.1002/9781119067825>
- Book: Peppoloni S. and Di Capua G., eds. (2015). *Geoethics: the Role and Responsibility of Geoscientists*. Geological Society, London, Special Publications, 419. <https://doi.org/10.1144/SP419.0>
- Book: Wyss M. and Peppoloni S., Eds. (2014). *Geoethics: Ethical Challenges and Case Studies in Earth Sciences*. Elsevier, pp. 450. <https://doi.org/10.1016/C2013-0-09988-4>
- Book: Lollino G., Arattano M., Giardino M., Oliveira R., and Peppoloni S., Eds. (2014). *Engineering Geology for Society and Territory - Volume 7: Education, Professional Ethics and Public Recognition of Engineering Geology*. Springer, Cham, pp. XV+274, <https://doi.org/10.1007/978-3-319-09303-1>
- Special volume: Peppoloni S. and Di Capua G., Eds. (2012). *Geoethics and geological culture. Reflections from the Geoitalia Conference 2011*, Annals of Geophysics, Vol. 55, No 3. <http://www.annalsofgeophysics.eu/index.php/annals/issue/view/482>

REFERENCE DOCUMENTS

- **Cape Town Statement on Geoethics:** <https://www.geoethics.org/ctsg>
Supported by 36 geoscience organizations and available in 38 languages.
- **Geoethical Promise:** <https://www.geoethics.org/geopromise>
Supported by 36 geoscience organizations and available in 38 languages.
- **White Paper on Responsible Speleology:** <https://www.geoethics.org/wp-responsible-speleology>
- **White Paper on Responsible Mining:** <https://www.geoethics.org/wp-responsible-mining>. Available in 4 languages.

- Chilean Code of Geoethics (in Spanish):
https://www.geoethics.org/_files/ugd/5195a5_331949435286496c89fb5dee598c6762.pdf
- White Paper on Responsible Mining: <https://www.geoethics.org/wp-responsible-mining>. Available in 4 languages.
- Artificial Intelligence (AI) Ethics Recommendations for the Geoscience Community (by IUGS Commission on Geoethics):
https://www.geoethics.org/_files/ugd/5195a5_5dcf66f87cca492c958319c3f4cdeffb.pdf.

VIDEOS, INTERVIEWS AND ARTICLES FOR NEWSPAPERS AND MAGAZINES

- 47 videos uploaded on the YouTube channel of the IAPG:
<https://www.youtube.com/user/iapgeoethics/videos>
- Articles on geoethical issues for the Italian newspapers;
- Article on geoethics for the online magazine “Human Futures”;
- 10 radio and video interviews with the IAPG President, Secretary General and IAPG members for the:
 - The Society of Exploration Geophysicists (SEG). “Episode 240: Navigating Geoethics – Balancing Science and Responsibility in Geosciences”:
<https://seg.org/podcasts/episode-240-navigating-geoethics-balancing-science-and-responsibility-in-geosciences/>
 - Minigeology, subject “Geoethics: interview to Peter Bobrowsky”, by Daniel Minisini:
<https://youtu.be/jf4RM8YGa8Y>;
 - BoLive, Università di Padova (<https://ilbolive.unipd.it/it/news/geoetica-dalle-geoscienze-unetica-globale>). “Geoetica: dalle geoscienze a un’etica globale, per un umanesimo ecologico”: <https://www.youtube.com/watch?v=90vR50bTouY>;
 - Progetto Gutenberg, Calabria (<https://gutenbergcalabria.it/2021-homo-sapiens-fragile-civilt/>) Edizione 2021 “Homo Sapiens? Fragile Civiltà”: https://youtu.be/zlIQnoS8_FA;
 - Swiss Radio Network 2, subject: “Prevention and Geoethics”, by Matteo Martelli;
 - Austrian Radio (ORF1) program on Geoethics: “Dimensionen – die Welt der Wissenschaft: Was soll ich tun – global gesehen? Die Ethik in den Geowissenschaften” (“Dimensions – the world of science: What should I do – a global perspective? The Ethics in the geosciences”), by Wolfgang Däuble: <http://oe1.orf.at/programm/404157>;

- German Radio (SWR2), title "Endgültig freigesprochen: Das Erdbeben von L'Aquila und die ethische Verantwortung der Geowissenschaftler. Gespräch mit Silvia Peppoloni, International Association for Promoting Geoethics, Rom. (Finally acquitted: The L'Aquila earthquake and the ethical responsibility of geoscientists. Interview with Silvia Peppoloni, International Association for Promoting Geoethics, Rome). Redaktion / Moderation: Gabor Paal;
- Italian Radio Television Network (RAI), subject: culture of prevention. The interview begins from minute 16:30: <http://www.raiscuola.rai.it/articoli/nautilus-seguendo-il-tempo/26025/default.aspx>;
- Italian Radio Television Network (RAI), Radio3 Scienza, subject: Natural risks;
- Science Festival in Genoa (Italy):
Part 1 https://www.youtube.com/watch?v=Xt0_Z6mAGeI&list=UUP-Fngse1pu9sFvyBgN3AzQ
Part 2 <https://www.youtube.com/watch?v=M2aYspo0p5Y&feature=youtu.be>.

Many scientific PAPERS/CHAPTERS on geoethics have been included in the books mentioned above. About 350 papers/chapters on geoethics (with a peer-review process) have been published since 2012.

ORAL AND POSTER PRESENTATIONS in scientific sessions, courses, meetings. EGU General Assembly (2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025), IGC – International Geological Congress (2012, 2016, 2024), IUGS-IFG conference (2025), CAAWG – Conference of the African Association of Women in Geosciences (2016, 2018, 2025), International Professional Geology Conference (2025), Meggen Raw Material Days (2025), Argentinian Congress of Engineering Geology and the Environment (2025), Workshop on Geoethics and Geological Hazards (2025), Chilean Geological Congress (2018, 2024), Argentinian Geological Congress (2022, 2024), I Latin American Symposium on Geoethics (2024), GSNZ Annual Conference (2024), International existential humanistic conference (2024), GeoSaxonia (2024), CIPSH Conference on Global Ethics (2021, 2023), AESC (2023), GeoBerlin (2023), Geological Society of Australia's Earth Science Student Symposium (2023), 1st International Congress on Geodiversity, Geoheritage, Geotourism,

Geoeducation, Geoparks & Sustainable Development Goals (2023), International Workshop on Natural Hazards (NatHaz) (2022), CGEO Conference (2022), DDE Open Science Forum (2022), IUGS60 webinars (2022), International Summer University of the UNESCO Chair on Geoparks, Sustainable Developments and Healthy Lifestyles (2022), AGU Chapman Conference (2022), GeoMinKöln (2022), First Brazilian Meeting of Geoethics in Brazil (2022), Geoethics & Groundwater Management Congress in Porto (2020), International (Virtual) Symposium on Geoethics (2020), Congress of the Italian Geological Society (2016, 2018), Geoitalia conference (2013), IAEG Congress (2014), GSA Annual Meeting (2014, 2015), AGU Fall Meeting (2014, 2015, 2016, 2017, 2018), Bolivian Geological Congress (2021), Symposium of the Geology of Chile (2021), CIPSH European Humanities Conference (2021), Resources for Future Generations Conference – RFG (2018), WCRI (2013, 2015), AGU-GAC-MAC-CGU Joint Assembly (2015), AGU Geoscience and Society Summit (2019), International Congress of the Geological Society of Greece (2019), Argentine Geological Congress (2017, 2022), Geological Congress of Spain (2016), Peruvian Congress of Geology (2016), Nigeria Geoethics Conference (2018), Simposio de Paleontología del Perú (2018), Jornadas Científicas sobre Geología del Paraguay y Ciencias Afines (2018), EADI NORDIC Conference (2017), GeoSciEd (2018), EnsinoGEO (2018), General Assembly of the European Seismological Commission – ESC (2018), GeoKarlsruhe (2021), PGO – Professional Geoscientists Ontario Virtual Symposium (2020, 2021), GfGD Annual Conference (2018), Earth System Governance Conference (2018), AAAS meeting (2019), Geoconvention, Canada (2019), EFG Workshop (2014), 6th Meggen Raw Material days (2020), EFG-UNECE Conference (2017), Foro Internacional sobre Gestión del Riesgo Geológico - International Forum on Geological Risks Management (2015), Future Earth international symposium in Japan (2017), International Conference of the Institute of African Research and Studies – IARS in Egypt (2016), Colloquium on Geoethics in Peru (2015), Conference of the African Association of Women in Geosciences Nigeria (2015), OTC Conference in Houston (2014), SERC workshop in Montana (2014), AEG course in Texas (2014), Geological Society of London, Regional Group – Lecture (2017), CNG course in Italy (2014), Science Festival in Genoa, Italy (2013, 2014), Bioethics Festival, Italy (2019), Mercator Research Institute on Global Commons and Climate Change – MCC meeting (2019), Meeting: nANO meets water VII meeting in Germany (2016), South Texas Geological Society meeting (2016), Ocean

Sciences Meeting – OSM (2016, 2018), IAH Congress (2018), CoV-9: Cities on Volcanoes in Chile (2016, 2018), Workshop on Geoethics in Nigeria (2016), Colombian Conference of Geology (2015), International Conference of Underground Construction (2015), Geological Conference of Central America (2015), Salzburg Global Seminar (2018), FORAM 18 pilot event on raw materials governance (2018), National Congress of the Italian Environment Fund – FAI (2017), GOAL workshop/meeting (2018, 2019, 2020), INTERMIN Meeting (2018, 2019), and WISE Multiplier Event (2017).

MINERLIMA

International Exhibition of Minerals (Feria Internacional de Minerales) in Peru, conceived and organized by IAPG-Peru from 2015, in cooperation with numerous Peruvian organizations and institutions. Events planned: short courses, conferences and workshops (for children and the general public), showcase (exhibition-sale of mineral samples), geological excursions and guided tours. The 11th edition was held in 2025. MinerLima Website: <https://minerlima.wixsite.com/minerlima> and <https://www.facebook.com/feriainternacionalmineraleslima>

WEBSITE AND SOCIAL NETWORKS

- **Official Website:** <https://www.geoethics.org>
- **New Blog** (from 29 June 2022): <https://www.geoethics.org/blog>
- **Old Blog** (up to 29 June 2022): <http://iapgeoethics.blogspot.com>
- **Linkedin Group** “Geoethics and Culture of Geosciences” (4084 members): <https://www.linkedin.com/groups/4615518>
- **Facebook Page:** <https://www.facebook.com/iapg.geoethics/> (9445 followers)
- **Twitter Page** (@IAPGeoethics): <https://twitter.com/IAPGeoethics> (3088 followers)
- **YouTube channel:** <https://www.youtube.com/user/iapgeoethics/videos> (220 registered followers)
- **YouTube channel of IAPG-New Zealand**, managed by Geoscience Society of New Zealand (GSNZ): <https://www.youtube.com/playlist?list=PLu7bEVnklfdUfYHpSPd5mHfht0YaJhCTt>
- **Photo gallery on Flickr:** <https://www.flickr.com/photos/125283529@N05/sets/>

- Other IAPG national sections webpages at: <https://www.geoethics.org/sections.html>

Since 2012, thousands of posts have been published on the IAPG website, blog, and social networks regarding articles, news, call for abstracts, meetings-conferences, seminars, events and other kinds of information on geoethics.

KEYNOTE AND INVITED TALKS

- Invited talk by Martin Bohle (IAPG Board of Experts) titled **“Ethics of the Anthropocene”** at Vrije Universiteit Amsterdam, The Netherlands (Online, 11 December 2025).
- Invited talk by Martin Bohle (IAPG Board of Experts) titled **“Geoethics, an Epistemic-Moral Hybrid for Tellurian Practices”** at Max Weber Centre, University of Erfurt (Erfurt, Germany, 2 December 2025).
- Invited talk by Paul Cleverley (IAPG Board of Experts and Chair Chair of the Task Group on AI in Geosciences of the IUGS Commission on Geoethics) titled **“Large Language Models and Their Role in Geoscience Education: Opportunities and Challenges”** at a webinar organized by IUGS Commission on Geoscience Education (COGE) (Online, 27 November 2026).
- Invited talk by Silvia Peppoloni (IAPG President and Chair of the IUGS Commission on Geoethics) titled **“La geoetica come fondamento per affrontare le responsabilità etiche dei geologi in un mondo in trasformazione” (Geoethics as a foundation for addressing the ethical responsibilities of geologists in a transforming world)** at a seminar organized by Professional Order of Geologists of Liguria (Genoa, Italy, 25 November 2025).
- Invited talk by Vincent Cronin (IAPG Continental Coordinator for North America) titled **“Applied Ethics Resources for Geoscience Students and Professionals”** at the III Meeting of the Ethics Committee in Scientific Research, at the Universidad Industrial de Santander in Bucaramanga, Colombia (Online, 21 November 2025).
- Keynote speech by Silvia Peppoloni (IAPG President and Chair of the IUGS Commission on Geoethics) titled **“Geoethics as a Foundation for Navigating the Ethical Responsibilities of Geologists in a Changing Age”** at the 5th International Professional Geology Conference (IPGC) (Zaragoza, Spain, 5 November 2025).

- Keynote speech by Silvia Peppoloni (IAPG President and Chair of the IUGS Commission on Geoethics) titled "**Geoethics and DEIA: values, principles, and methods for building a fair and sustainable future**" at the 11th International Conference of the African Association of Women in Geosciences (CAAWG11) (Online, 1 October 2025).
- Keynote Lecture by Marita Ahumada (IAPG Continental Coordinator for South America) titled "**Sustainable Mining Industry: Stages, Environmental Aspects**" at the 3rd Argentinian Congress of Engineering Geology and the Environment (ASAGAI) (Cordoba, Argentina, 26 September 2025).
- Keynote speech by Paul Cleverley (Chair of the Task Group on Artificial Intelligence in Geosciences of the IUGS Commission on Geoethics) titled "**Future Perspectives of AI in Earth Sciences: A focus on Language Models**" in the event AI@INGV (Online, 9 July 2025).
- Introductory keynote speech by Silvia Peppoloni (IAPG President, Chair of the IUGS Commission on Geoethics and Chair of the CIPSH Chair on Geoethics) titled "**Geoethics and Forensic Geology: Exploring Shared Principles and Responsibilities**" at the International Union of Geological Sciences (IUGS) - Initiative on Forensic Geology (IFG) International Conference (Rome, Italy, 21 May 2025).
- Invited talk by Silvia Peppoloni (IAPG President, Chair of the IUGS Commission on Geoethics and Chair of the CIPSH Chair on Geoethics) titled "**Ethical Issues in Georisks**" and by Giuseppe Di Capua (IAPG Secretary General) titled "**L'Aquila Earthquake Case**" at the Workshop "**Geoethics for Geological Hazards**" organized by META – Social sciences and humanities for science and technology, an interdisciplinary study unit at Politecnico di Milano (Milan, Italy, 12 May 2025).
- Invited talk by Giuseppe Di Capua (IAPG Secretary General and Treasurer of the IAPG and IUGS Commission on Geoethics) titled "**Geoethics and the International Geoethics Research Infrastructure**" at the Members Meeting of the Global Geoscience Professionalism Group (Online, 23 April 2025).
- Invited talk by Giuseppe Di Capua (IAPG Secretary General) titled "**Geoethics and the polycrisis: Navigating humanity's role in shaping a responsible future**" at the Apheleia 2025 Conference Series (Online, 13 February 2025).

- Invited talk by Giuseppe Di Capua (IAPG Secretary General) titled "**The International Infrastructure for Geoethics**" at the Symposium S03 "Geological Risks and Geoethics" in the XXII Argentinian Geological Congress (Online, 20 November 2024).
- Keynote speech by Silvia Peppoloni (IAPG President and Chair of the IUGS Commission on Geoethics) titled "**Geoethics: Resources, Risks, Responsibilities**" at the 51st Brazilian Geological Congress (Belo Horizonte, Brazil, 17 October 2024).
- Plenary Speech by Silvia Peppoloni (IAPG Secretary General and Chair of the IUGS Commission on Geoethics), titled "**The future of geosciences through the lens of geoethics**" at the 37th International Geological Congress (IGC) (Busan, Republic of Korea, 28 August 2024).
- Invited lecture by Gerassimos Papadopoulos (IAPG-Greece co-Coordinator) titled "**Social Management of Natural Risks and Crises in Greece, and internationally**" at the Jean Monnet Chair "Risk and Crisis Communication Management in the EU" (Online, 1 March 2024).
- Inaugural plenary lecture by Silvia Peppoloni (IAPG Secretary General and Chair of the IUGS Commission on Geoethics) titled "**Geoethics, geosciences and global anthropogenic impacts**" (Santiago, Chile, 26 November 2023).
- Keynote speech by Silvia Peppoloni (IAPG Secretary General and Chair of the IUGS Commission on Geoethics) titled "**Geoheritage, geodiversity and geotourism through the lens of geoethics**" at the 1st International Congress on Geodiversity, Geoheritage, Geotourism, Geoeducation, Geoparks & Sustainable Development Goals (5G & SDGs) (Safi, Morocco, 24 October 2023).
- Invited talk by Giuseppe Di Capua (Treasurer of the IAPG and IUGS Commission on Geoethics) titled "**Etiology of the Ecological Crisis: Building New Perspectives for Human Progress Through Geoethics**" in the Session "Ecology and (global) ethics" at the Symposium "The quest for global ethics: researchers in dialogue" organized by the Stockholm University (Stockholm, Sweden, 14 September 2023).
- Invited talk by Giuseppe Di Capua (Treasurer of the IAPG and IUGS Commission on Geoethics) titled "**Etiology of the Ecological Crisis: Building New Perspectives for Human Progress Through Geoethics**" in the Session 2 "How can a global geoethics and a new technoeconomics grounded in various ethical traditions help us resist threats to a

sustainable future?" at the Third CIPSH Conference on Global Ethics (Stockholm, Sweden, 12-13 September 2023).

- Invited talk (in Italian) by Silvia Peppoloni (IAPG Secretary General and Chair of the IUGS Commission on Geoethics) titled "**Geoethics: rewriting the relationship that binds us to the Earth**" at the Conference "Geoethics: Reflections on the Etna area and the human being-environment relationship". IAPG is among the sponsoring organizations of the conference. The conference is included in the programme of the Etna Biodiversity Festival (Fornazzo, Milo, Sicily, Italy, 26 May 2023).
- Invited-Speech by Giuseppe Di Capua (Treasurer of the IAPG and IUGS Commission on Geoethics) titled "**The need of geoethics for society**" at the event "Café com Ciência" (Coffee with Science, Seminar Series), organized by the Centro de Interdisciplinar de Investigação Marinha e Ambiental (CIIMAR) of the Universidade do Porto (UP) in collaboration with the Centro de Monitorização e Interpretação Ambiental (CMIA) of Matosinhos and CMIA of Vila do Conde (Portugal, 19 April 2023).
- Invited-Speech (in Italian) by Silvia Peppoloni (Researcher at the Istituto Nazionale di Geofisica e Vulcanologia, Rome, Italy; IAPG Secretary General; Chair of the IUGS Commission on Geoethics), entitled "**Geoethics and Anthropogenic Global Impacts: Resources, Risks, and Responsibility**", at the webinar in the seminar cycle "Sustainability, climate change and water resources" organized by the Department of Earth Sciences - University of Pisa, the Master's Degree Course in Environmental Sciences and the Interdepartmental Research Center for the Study of the Effects of Climate Change (CIRSEC), with the patronage of the Italian Association of Environmental Sciences and the Order of Geologists of Tuscany (Italy, 23 March 2023).
- Invited talk (in Italian) by Silvia Peppoloni (INGV, Italy and IAPG Secretary General), entitled "**Consapevolezza, emancipazione e responsabilità delle scienziate della Terra**" (**Awareness, empowerment and responsibility of women scientists in Earth Sciences**) at the event "The Space of Science: paths and gender roles in research" organized at the University of Turin, Department of Earth Sciences, to celebrate the International Day of Women and Girls in Science. This event was supported by the IAPG (Italy, 10 February 2023).

- Invited-Speech by Vincent Cronin (IAPG Continental Coordinator for North America), entitled **“Advocating Geoethics for SFDRR, SDGs, and CCA”**, at the webinar organized by the National Institute of Disaster Management, Ministry of Home Affairs, Government of India, in collaboration with the IAPG – International Association for Promoting Geoethics and Adamas University (West Bengal, India), to celebrate the International Geoethics Day 2022: <https://www.youtube.com/watch?v=CbJApd5BDuk>, from 17:09 to 37:40 (India, 13 October 2022).
- Invited-Speech by Silvia Peppoloni (IAPG Secretary General), entitled **“Geoethics and Oceans: Challenges and Opportunities”**, 6th International Summer University (Webinar) on “Oceans, People and Cooperation for Sustainable Development” organized by the UNESCO Chair on Geoparks, Sustainable Developments and Healthy Lifestyles at the Universidade de Trás-os-Montes e Alto Douro: <https://www.youtube.com/watch?v=LsLE5a0TIWE>, from 4:23:47 to 4:50:50 (Portugal, 15 July 2022).
- Invited-Speech by Silvia Peppoloni (IAPG Secretary General), entitled **“Geosciences to achieve UN SDGs: The need for geoethics”**, at the CGEO 2022 Conference, organized by the Centro de Geociências of the Coimbra University: https://www.facebook.com/watch/live/?ref=watch_permalink&v=3443079382586119, from 1:54:08 to 2:28:00 (Portugal, 20 June 2022).
- Invited-Speech by Giuseppe Di Capua (IAPG Treasurer), entitled **“Ecological crisis and geosciences: the need for geoethics”**, at the “State of the Planet” event, organized by the IUGS – International Union of Geological Sciences within the initiatives to celebrate 60 years from the foundation of the IUGS (IUGS60) and the Earth Day 2022: <https://www.youtube.com/watch?v=Qnh066e9VGM> (22 April 2022).
- Video-Lecture by Silvia Peppoloni (IAPG Secretary General), entitled **“Geoethics and Georisks: Ethical and Social Aspects in Disaster Risk Reduction”** (India, 21 April 2022).
- Invited-Speech by Manuel Abrunhosa (IAPG Board of Experts), entitled **“Geoethics and Groundwater”** at the University of Pisa (Italy, 24 March 2022).
- Invited-Speech by Silvia Peppoloni (IAPG Secretary General), entitled **“Responsible management of water: a resource that recalls us to dialogue”**, at the IUGS60 virtual event for celebrating the World Water Day 2022 (United Kingdom, 22 March 2022).

- Invited-Speech by Silvia Peppoloni (IAPG Secretary General) at the webinar "**Formation of Supportive Networks in the Face of Adversity**" organized by the Institute of Electrical and Electronics Engineers (IEEE) (USA, 24 February 2022).
- Invited-Speech by Silvia Peppoloni (IAPG Secretary General) at the webinar "**UN International Day of Women and Girls in Science**" organized by the IUGS – International Union of Geological Sciences (United Kingdom, 11 February 2022).
- Invited-Speech by Simon Schneider (IAPG-Germany co-coordinator), entitled "**Geoethics - Those who demand relevance must take responsibility**", at the Geologische Gemeinschaft zu Freiberg e.V. (Germany, 26 January 2022).
- Invited-Speech by Dominic Hildebrandt (IAPG-Germany co-coordinator), entitled "**Shaping responsible future experts: the need for integrating Geoethics in Geoscience university education**", at Geosciences Colloquium, Institute for Geoscience, Friedrich Schiller University Jena (Germany, 13 January 2022).
- Invited-Speech on **geoethics** by Vince Cronin (IAPG-USA Co-coordinator) at the "International Workshop on Geoethics with focus on Geohazards and Mining Disasters", organized by IAPG-India and NIDM - National Institute of Disaster Management: <https://www.youtube.com/watch?v=gPlyNf8RNzM> (India, 14 October 2021).
- Video-Lecture by Giuseppe Di Capua (IAPG Treasurer), entitled "**Geoethics: from an ethics for geosciences to a global ethics for societies**", organized by the GeoZS - Geological Survey of Slovenia for its 75th anniversary: <https://www.youtube.com/watch?v=V3TiXhVQKiE> (Slovenia, 17 November 2021).
- Video-Lecture by John Geissman (Geoethics Medalist 2020), entitled "**Geoethics - Integrity and Ethics in Science in Higher Education**", at the University of Potsdam (Germany): <https://youtu.be/GANbLvJ6bms> (Germany, 4 January 2021).
- Invited-Talk by Daniel DeMiguel (IAPG-ECST Spokeperson), entitled "**Geoethical issues in Palaeontology at a glance**", at the Virtual Workshop "Palaeoethics from the Field, to the Museum, and to Publication", organized by The Palaeontological Association and hosted by the Oxford University Museum of Natural History (United Kingdom, 15 December 2020).

- Invited-Speech by Silvia Peppoloni (IAPG Secretary General), entitled "**A White paper on Ethics in Forensic Geology**", at the one day (virtual) meeting on "Forensic Geophysics and Geology", organized by the Geological Society of London (2 December).
- Invited-Speech by Silvia Peppoloni (IAPG Secretary General), entitled "**Pandemic and Social Inequalities**", to celebrate the World Philosophy Day of UNESCO: <https://youtu.be/81XL4eBFizY?list=PLWuYED1WVJIOyGKNf0eS9fXTPcxyVmEKm> (20 November 2020).
- Invited Talk by Giuseppe Di Capua (IAPG Treasurer) entitled "**Geoethics - Why bother?**" at the Virtual Symposium "Exploring the Convergence of Professional Geoscience, Public Policy, Regulatory Requirements, Standards and Protection of the Public", organized by PGO - Professional Geoscientists Ontario (Canada, 7 July 2020).
- Invited Talks by Giuseppe Di Capua (IAPG Treasurer) and Silvia Peppoloni (IAPG Secretary General) entitled respectively "**Promoting Geoethics worldwide: the IAPG network**" and "**From Ethics to Geoethics: definitions, values, and tools**", organized by Surya Parkash (IAPG-India Coordinator) at the School of Earth and Environmental Science, Amity University Haryana (India, 14 June 2020).
- Invited Speech by Silvia Peppoloni (IAPG Secretary General) for the Opening Ceremony of the Geoethics & Groundwater Management (Virtual) Congress, co-organized by IAPG and IAH - International Association of Hydrogeologists: <https://youtu.be/uyLpdTBJk98> (Portugal, 18 May 2020).
- Online-Keynote by Silvia Peppoloni (IAPG Secretary General) entitled "**Geoscientists as social and political actors**" at the Union Symposium 1 (US1) - EGU 2020: Sharing Geoscience Online: <https://www.youtube.com/watch?v=KYH9MNMQs3c> (from minute 37:23) (4 May 2020);
- Video-Lecture on "**Geoethics and Georisks Reduction**" at the conference organized by the Italian Embassy in Norway, in collaboration with the University of Oslo, in the framework of the initiative "Under the Sign of Excellence".
- Video-Lecture "**Geoethics and the IAPG network**" at the First National Conference of the African Association of Women in Geosciences Nigeria - AAWGN, June 2015): <https://www.youtube.com/watch?v=f-ki8cwP8bk>.

WEBINARS AND ONLINE COURSES

- Online course organized by the Geological Society on London (GSL) titled "**Online Training: Exploring Geoethics: Ethics of Responsibility Towards the Earth System**".
Speakers: Silvia Peppoloni and Giuseppe Di Capua (Online, 3-11 December 2025).
- Geoethics Aotearoa New Zealand Seminar Series, organized by IAPG-New Zealand/GSNZ Geoethics Special Interest Group: "**Critical Minerals and Critical Perspectives: Political Ecologies of Mining in Aotearoa and the USA**" (Online, 14 October 2025).
- Geoethics Aotearoa New Zealand Seminar Series, organized by IAPG-New Zealand/GSNZ Geoethics Special Interest Group: "**Navigating a changing world with tohu and maramataka: a decolonial approach to impacts on Aotearoa from Antarctic environmental change**" (Online, 11 December 2025).
- Geoethics Aotearoa New Zealand Seminar Series, organized by IAPG-New Zealand/GSNZ Geoethics Special Interest Group: "**Empowering Young Women in Geoscience: Girls* On Ice**" (Online, 2 October 2025).
- Geoethics Aotearoa New Zealand Seminar Series, organized by IAPG-New Zealand/GSNZ Geoethics Special Interest Group: "**Ethics in hazard warning and response**" (Online, 21 August 2025).
- Online Workshop "**Developing Geoethical Judgment: Cases That Could Happen to Us – What to Do?**", organized by IAPG-Chile/Geoethics Specialist Group of the Geological Society of Chile (SGCh) (Online, 11 August 2025).
- Online Panel on "**Communicating science with awareness**", organized by the Geoethics Group of the Geological Society of Chile/IAPG-Chile (Online, 29 July 2025).
- Geoethics Aotearoa New Zealand Seminar Series, organized by IAPG-New Zealand/GSNZ Geoethics Special Interest Group: "**Sampling ethics and geo-data sovereignty in Aotearoa**" (Online, 22 July 2025).
- Geoethics Aotearoa New Zealand Seminar Series, organized by IAPG-New Zealand/GSNZ Geoethics Special Interest Group: "**Weaving Indigenous knowledge and science – A journey**" (Online, 12 June 2025).
- Webinar (in Italian) "**Geoethics: Resources, Risks, and Responsibilities**", co-organized by the Department of Science - University of Roma Tre, Order of Geologists of Lazio,

Department of Earth Sciences - Sapienza University of Rome. Speaker: Silvia Peppoloni (IAPG President and Chair of the IUGS Commission on Geoethics) (Online, 27 February 2025).

- Webinar "Book Overview: Groundwater Resources of Afghanistan", organized by IAPG-Afghanistan (Online, 27 February 2025).
- Webinar (in Spanish) "Official launch of the Chilean Code of Geoethics" organized by IAPG-Chile (Online, 15 April 2024).
- Webinar (in Spanish) "4th Conversation of Women in Geosciences in Peru", organized by IAPG-Peru (Online, 8 March 2024).
- Webinar (in Italian) "Geoethics and Global Anthropogenic Impacts: Resources, Risks, Responsibilities" for students of RomaTre University and Sapienza University (Rome, Italy) and for members of the Professional Association of Geologists of Lazio. Speaker: Silvia Peppoloni (Chair of the IUGS Commission on Geoethics and IAPG Secretary General) (Online, 29 February 2024).
- Webinar (in Spanish) titled "The vision of women in the geosciences", organized by IAPG-Peru to celebrate the International Day of Women and Girls in Science 2024 (Online, 10 February 2024).
- Webinar (in Spanish) by Roberto Lencina (Councillor of the IUGS Commission on Geoethics) titled "The geoethical dilemmas associated with mineral resources and the energy transition", organized by the Universidad Nacional de Río Negro (UNRN), Patagonia, Argentina (Online, 7 November 2023).
- Online course organized by the Geological Society on London (GSL) titled "Online Training: Exploring Geoethics: Ethics of Responsibility Towards the Earth System". Speakers: Silvia Peppoloni and Giuseppe Di Capua (Online, 26 September-10 October 2023).
- Webinar in Peru: Judith Sullon (IAPG-Peru) delivered an online talk (in Spanish) titled "Towards a training in geoethical values" (Online, 12 August 2023).
- Seminar and webinar at the Research Institute for Earth Sciences - Geological Survey of Iran: Parviz Armani (IAPG-Iran Coordinator) delivered a talk (in Persian) titled "The International Association for Promoting Geoethics" (Tehran, Iran, 30 July 2023).

- 3rd Meeting of **Peruvian Women in Geosciences** co-organized by IAPG-Peru (Online, 16 December 2022).
- Webinar “**Making Groundwater Visible in Arid and Semi-Arid Regions**” to celebrate the Groundwater Summit 2022, organized by IAPG-Afghanistan, the Afghanistan Groundwater Group (AGG), the Portuguese Chapter of the IAH (AIH-GP) (Afghanistan, 1 December 2022).
- Webinar (in Greek) titled “**Public communication of seismic hazard issues and geoethical dilemmas**”, organized by IAPG-Greece and SafeGreece, Keynote speaker: Gerasimos A. Papadopoulos (IAPG-Greece Co-coordinator), Coordinator: Maria Triantaphyllou (IAPG-Greece Co-coordinator): <https://www.youtube.com/watch?v=D4Y6bEAMWfc> (Greece, 8 November 2022).
- Webinar (in Italian) entitled “**Geoethics without borders: Transdisciplinary visions for sustainability**” organized by the Department of Earth Sciences at the Turin University and IAPG-Italy/Section of Geoethics and Geological Culture of the Italian Geological Society to celebrate the International Geoethics Day 2022 (Italy, 13 October 2022).
- Webinar (in Spanish) on “**Geoethics**” organized by IAPG-Peru to celebrate the International Geoethics Day 2022 (Peru, 13 October 2022).
- Webinar (in Spanish) entitled “**From the contribution to the training of new generations of scientists and professionals in geosciences**” organized by IAPG-Chile (Chile, 21 September 2022).
- Online course (in Spanish) entitled “**The exercise of geoethics and deontology in geosciences**” organized by IAPG-Peru for MinerLima 2022 (Peru, 31 August – 2 September 2022).
- Webinar (in Spanish) entitled “**The relationship of geosciences with society**” organized by IAPG-Chile (Chile, 24 August 2022).
- Webinar (in Spanish) entitled “**On geoscience and its relationship with nature and culture**” organized by IAPG-Chile (Chile, 28 July 2022).
- Online presentation (in Spanish) of the book “**Geoethics in Peru**” by Sandra Villacorta (Peru, 22 April 2022).

- Webinar “Geoethics: Bridging geoSTEM and the social sciences” at Edgeryders by Martin Bohle (IAPG Board of Experts): <https://www.youtube.com/watch?v=fxvaTezYEZw> (Belgium, 22 March 2022).
- Webinar entitled “Making Groundwater visible in Afghanistan” organized by IAPG-Afghanistan to celebrate the World Water Day 2022 (Afghanistan, 17 March 2022).
- Webinar (in Spanish), entitled “2nd Conversation of Peruvian Women in Geosciences”, organized by IAPG-Peru: <https://www.youtube.com/watch?v=dC0yDyyHWZ0> (Peru, 8 March 2022).
- Webinar: 4th Round Table in Peru, entitled “On geoethics in Peru: Towards the development of geoethical policies”, organized by IAPG-Peru: <https://www.youtube.com/watch?v=Z10QPPWAeuo> (Peru, 18 December 2021).
- Short Video Course on Geoethics at the EGU General Assembly 2021, organized by the IAPG:
 0. Forewords to Honour Jan Boon (Giuseppe Di Capua): <https://www.youtube.com/watch?v=piQv21HI5so>.
 1. Theoretical foundations of Geoethics (Silvia Peppoloni): <https://www.youtube.com/watch?v=Rz5yHyHjzEw>.
 2. Responsible conduct of research and professionalism (David Mogk): https://www.youtube.com/watch?v=RZmUEyR_Ri8.
 3. Development Perspectives for Geoethical Thoughts? (Martin Bohle): <https://www.youtube.com/watch?v=EcCnxHbIYt0>.
 4. Education for Confronting (geo)ethical dilemmas (Eduardo Marone): <https://www.youtube.com/watch?v=r5NIHyrjZX4>.
 5. Geoethics and responsible mining (Nic Bilham): <https://www.youtube.com/watch?v=Z-EuWOE-CGs>.
 6. Geoethics in natural hazards from the perspective of an engineering geologist (Vincent Cronin): <https://www.youtube.com/watch?v=xhyXb6Wxy0w>.
 7. Geoethics' case studies: Paleontology and Geoheritage (Daniel DeMiguel): <https://www.youtube.com/watch?v=fj3tkjPKqt0>.

8. Geoethics' case studies: effects of the EU directive on conflict minerals (Vítor Correia):

<https://www.youtube.com/watch?v=16K0cG7c-h8>.

- Webinar by Silvia Peppoloni (IAPG Secretary General) and Giuseppe Di Capua (IAPG Treasurer) entitled “**Introduzione alla Geoetica**” (Introduction to Geoethics) at the MUST – Department of Earth sciences of the Sapienza University of Rome: <https://www.youtube.com/watch?v=QwYsDGJRS7E> (Italy, 3 March 2021).
- Online-Talk by Luisa Pinto Lincoñir (IAPG-Chile coordinator), entitled “**Geosciences, Professional Ethics, and Sustainability**”, at the University of Chile: <https://youtu.be/XRNMFK1wBE> (Chile, 9 December 2020).
- Webinar on **Geoethics** organized by the Early Career Scientists Team (ECST) of the IAPG to celebrate the International Geoethics Day 2020. Speakers: officers of the IAPG and members of the ECST: <https://youtu.be/QV-qgAJPAAQ> (19 October 2020).
- Online-Talk by Francesc Bellaibi (IAPG member) entitled “**The role of Geoethics in georesources management and governance: some case studies**” at the ZEF – Center for Development Research, University of Bonn (Germany, 8 October 2020).
- Online-Seminar by Martin Bohle (IAPG Board of Experts) entitled “**Foundations & Examples for how to tackle (Geo)ethical Dilemmas**” at the Ronin Institute (USA, 16 September 2020).
- Online-Seminar by Silvia Peppoloni (IAPG Secretary General) entitled “**Geoethics and Georisks: definitions, concepts and values**”, organized by Ezzoura Errami (Dean Faculté Polydisciplinaire de Safi, Morocco, President of the AAWG – African Association of Women in Geosciences, and IAPG Continental Coordinator for Africa) (Morocco, 7 July 2020).
- Opening Speech by Manuel Abrunhosa (IAPG Board of Experts) of the Geoethics & Groundwater Management (Virtual) Congress, co-organized by IAPG and IAH – International Association of Hydrogeologists: <https://youtu.be/oun00bG-ABE> (Portugal, 18 May 2020).
- Video-Pills developed by the European project “**GOAL – Geoethics Outcomes and Awareness Learning**”, in cooperation with the IAPG:
 - “**Introduction to geoethics: definition, concepts, and application**” (by Silvia Peppoloni, IAPG Secretary General): <https://youtu.be/NX7Gii5adKK> (March 2019);

- “**Geoethics and responsible use of geo-resources**” (by Giuseppe Di Capua, IAPG Treasurer): <https://youtu.be/23nwwu79sSA> (July 2019);
- “**Geoethical Issues and Geoethical Dilemmas**” (by Silvia Peppoloni, IAPG Secretary General): <https://youtu.be/gZ8Y56-yrDM> (August 2019);
- “**Geoethics and Geological Risks**” (by Silvia Peppoloni, IAPG Secretary General): <https://youtu.be/rZSjz0xiGUk> (December 2019).
- Video-Lesson by Stefano Tinti (IAPG President) on “**Geoethical issues in prediction and prevention of potentially catastrophic natural events**” at the workshop organized by 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**”: <https://youtu.be/aHdZBp0cJbc> (March 2019).
- Video-Lesson by Silvia Peppoloni (IAPG Secretary General) entitled “**Geoethics in Disaster Risk Reduction**” in the online course (MOOC): “**A Resilient Future: Science and Technology for Disaster Risk Reduction**” (Discover how science and technology help us reduce disaster risk and increase resilience): <https://www.youtube.com/watch?v=jCVkuaKAqK8&t=43s>. This online course has been organized by the École Polytechnique Fédérale de Lausanne (Switzerland). The video is included in the Chapter 7: Science and Technology for Resilience and Sustainable Development - Ethics in Disaster Risk Reduction.
- Webinar by David Mogk (IAPG Board of Experts) entitled “**Professionalism and Geoethics: Creating a Workplace Environment Where Everyone Can Succeed**” for the GOLI - Geoscience Online Learning Initiative by AGI - American Geosciences Institute: <https://goli.americangeosciences.org/courses/course-v1:AIPG+AIPG009+2018/about> (June 2018).
- Organization of a webinar on Geoethics at the EGU General Assembly 2013: http://www.egu2013.eu/nh9_8_video.html. In collaboration with YES-Network and AGI - American Geological Institute.

NEWSLETTER

IAPG has released its Newsletter from May 2015 to May 2022. 31 issues have been published and are available at: <https://www.geoethics.org/newsletter.html>.



From June 2022, news about activities and initiatives is communicated through the IAPG Blog:

<https://www.geoethics.org/blog>

INTERNATIONAL EVENTS

International Geoethics Day. Officially launched in 2017, is held every year during the Earth Science Week: <https://www.geoethics.org/geoethics-day>. On 13 October 2022, the IAPG community celebrated the 6th anniversary, entitled "*Promoting the UN Sustainable Development Goals*". The 7th anniversary will be held on 12 October 2023.

The 1st event was celebrated on 12 October 2017 (entitled: "*Take your photo*"), the 2nd event on 18 October 2018 (entitled: "*Geoethics is....*"), the 3rd event on 17 October 2019 (entitled "*Seed Today... for the future*"), the 4th event on 15 October 2022 (entitled "*Make a... Geoethical Promise!*"), the 5th event on 14 October 2021 (entitled "*Geoethics enhances the value of Geodiversity*"), the 6th event on 13 October 2022 (entitled "*Promoting the UN Sustainable Development Goals*"), the 7th event on 13 October 2023 (entitled "*Fostering the importance of geosciences for society*"), and the 8th event on 17 October 2024 (entitled "*Valuing geosciences for the public good*"). The 9th event took place on 16 October 2025 (entitled "*Geoethics for a Sustainable Energy Future*").

AWARDS

Geoethics Medal was conceived in April 2016 during the IAPG Council Meeting held during the EGU General Assembly in Vienna, and unanimously approved by the first IAPG General Assembly held during the 35th IGC – International Geological Congress in Cape Town, on 31 August 2016. The Geoethics Medal is bestowed annually. The first edition of the Geoethics Medal (2018) was launched on 18 October 2017, during the Global Ethics Day 2017 of the Carnegie Council for Ethics in International Affairs: <http://www.geoethics.org/geoethics-medal>.

The Geoethics Medal 2025 will be assigned at the beginning of 2026.

Recipients:

2024: Anne (Wagaba) Poelina (Australia)

2023: Erika Marín-Spiotta (USA)

2022: Fahd Albarraq (Yemen)

2021: Sandra Villacorta (Peru) and Iain Hay (Australia)

2020: John Geissman (USA)

2019: Linda Gundersen (USA)

2018: Chris King (United Kingdom)

6. Chief accomplishments 2025

January 2025

- First virtual meeting of the Task Group on Artificial Intelligence (AI) in Geosciences of the IUGS Commission on Geoethics (23 January).

February 2025

- Summer edition 2025 of MinerLima, the International Minerals and Rocks Exhibition in Lima (Peru), organized by IAPG-Peru. The event took place in Miraflores, Lima, Peru, at the headquarters of the Peruvian Geological Society (SGP) (6-10 February).
- Giuseppe Di Capua delivered an invited talk titled "Geoethics and the polycrisis: Navigating humanity's role in shaping a responsible future" in the Apheleia 2025 Conference Series, an event endorsed by the International Council for Philosophy and Human Sciences (CIPSH) and the International Year of Global Understanding (IYGU). Video: <https://youtu.be/9782zIGtTOo> (13 February).
- IAPG-Afghanistan co-organized the webinar "Book Overview: Groundwater Resources of Afghanistan" (27 February).
- Silvia Peppoloni (IAPG President and Chair of the IUGS Commission on Geoethics) delivered an online talk, titled "Geoethics: Resources, Risks, and Responsibilities". This seminar is co-organized by the Department of Science - University of Roma Tre, Order of Geologists of Lazio, Department of Earth Sciences - Sapienza University of Rome (27 February).
- Second online meeting of the Task Group on Artificial Intelligence (AI) in Geosciences of the IUGS Commission on Geoethics (27 February).

March 2025

- Silvia Peppoloni (Chair of the IUGS Commission on Geoethics) attended the general meeting of the Standing Committee for Gender Equality in Science (SCGES), representing the IUGS - International Union of Geological Sciences (1 March).
- New book: *Bohle M., Holzer B., Sklair L., Will F. (2025). The Anthropocene Working Group and the Global Debate Around a New Geological Epoch. Springer, Cham, XXXV + 201 pp., ISBN 978-3031851742.* <https://doi.org/10.1007/978-3-031-85175-9> (3 March).
- IAPG sponsored the Oxford Geoheritage Virtual Conference (10-12 March).
- The IUGS Commission on Geoethics and the IAPG were represented by Silvia Peppoloni (Chair of the IUGS Commission on Geoethics and IAPG President) and Giuseppe Di Capua (Treasurer and Secretary of the IUGS Commission on Geoethics and IAPG Secretary General and Treasurer) at the 81th Executive Committee meeting of the IUGS - International Union of Geological Sciences, hosted by the Geological Society of France, in Paris, France (17-18 March).

April 2025

- Third online meeting of the Task Group on Artificial Intelligence (AI) in Geosciences of the IUGS Commission on Geoethics (3 April).
- Anne (Wagaba) Poelina (University of Notre Dame, Western Australia), awarded the Geoethics Medal 2024: <https://www.geoethics.org/geoethics-medal> (14 April).
- Giuseppe Di Capua (IAPG Secretary General and Treasurer of the IAPG and IUGS Commission on Geoethics) delivered an invited talk on geoethics and the International Geoethics Research Infrastructure at the Members Meeting of the Global Geoscience Professionalism Group (GGPG) (23 April).
- Virtual poster session of the session EOS4.3: Geoethics and Global Anthropogenic Change: Geoscience for Policy, Action and Education in Addressing the Climate and Ecological Crises (Conveners: Silvia Peppoloni, David Crookall, Elodie Duyck, Giuseppe Di Capua, Paolo Colombo, Svitlana Kravovska) at the European Geosciences Union (EGU) General Assembly in Vienna, Austria (30 April).

May 2025

- Short Course SC1.7: Geoethical values, principles and behaviours: A participatory workshop (Conveners: David Crookall, Giuseppe Di Capua, Berill Blair, Pimnutch Promduangsri) at the European Geosciences Union (EGU) General Assembly in Vienna, Austria (1 May).
- Oral and poster sessions of the session EOS4.3: Geoethics and Global Anthropogenic Change: Geoscience for Policy, Action and Education in Addressing the Climate and Ecological Crises (Conveners: Silvia Peppoloni, David Crookall, Elodie Duyck, Giuseppe Di Capua, Paolo Colombo, Svitlana Krakovska) at the European Geosciences Union (EGU) General Assembly in Vienna, Austria (2 May).
- IAPG-Bangladesh contributes to the 3rd National Seminar on "Geology for Sustainable Development, Planning and Climate Resilient Bangladesh", organized by the Ministry of Power Energy and Mineral Resources - Energy and Mineral Resources Division, Geological Survey of Bangladesh in Dhaka, Bangladesh (3 May).
- Vincent Cronin (IAPG Continental Coordinator for North America) and Giuseppe Di Capua (IAPG Secretary General and Treasurer) attended the GSA-Annual Spring Associated Societies Virtual Meeting, representing the IAPG - International Association for Promoting Geoethics (7 May).
- Global Geoscience Professionalism Group (GGPG) and IAPG signed a Memorandum of Agreement (MoA) (8 May).
- Silvia Peppoloni (IAPG President, Chair of the IUGS Commission on Geoethics and Chair of the CIPSH Chair on Geoethics) delivered an invited talk titled "Ethical Issues in Georisks" and Giuseppe Di Capua (IAPG Secretary General and Treasurer of the IUGS Commission on Geoethics) gave another, titled "L'Aquila Earthquake Case" at the Workshop "Geoethics for Geological Hazards" organized by META – Social sciences and humanities for science and technology, an interdisciplinary study unit at Politecnico di Milano, in Milan, Italy (12 May).
- IAPG became an Observer Organization of Global Geoscience Professionalism Group (GGPG) (15 May).
- Vitor Correia (IAPG Continental Coordinator for Europe) represented the IAPG at the virtual Annual General Meeting of the Global Geoscience Professionalism Group (GGPG)

(19 May).

- Silvia Peppoloni (IAPG President, Chair of the IUGS Commission on Geoethics and Chair of the CIPSH Chair on Geoethics) delivered the Introductive Keynote Speech, titled "Geoethics and Forensic Geology: Exploring Shared Principles and Responsibilities" at the international conference of the International Union of Geological Sciences (IUGS) - Initiative on Forensic Geology (IFG) (21 May).

June 2025

- Published the first special issue of the Journal of Geoethics and Social Geosciences: Peppoloni S. and Di Capua G., eds (2025). 25 Years of Advancing Geoethics and Social Geosciences at INGV. *Journal of Geoethics and Social Geosciences*, 2(Special Issue). <https://www.journalofgeoethics.eu/index.php/jgsg/issue/view/6> (6 June).
- 1st session titled "Weaving Indigenous knowledge and science – A journey (by Dan Hikuroa, Ngā Ara Whetū, Te Pūtahi o Pūtaiao and Te Ao Mārama, Research Centres at Waipapa Taumata Rau -University of Auckland)" of the Geoethics Aotearoa New Zealand Seminar Series, organized by IAPG-New Zealand/GSNZ Geoethics Special Interest Group and hosted under the auspices of the Geoscience Society of New Zealand (GSNZ) (12 June).
- Fourth online meeting of the Task Group on Artificial Intelligence (AI) in Geosciences of the IUGS Commission on Geoethics (16 June).

July 2025

- Paul Cleverley (Chair of the Task Group on Artificial Intelligence in Geosciences of the IUGS Commission on Geoethics) delivered a keynote speech titled "Future Perspectives of AI in Earth Sciences: A focus on Language Models" in the event AI@INGV, organized by the Istituto Nazionale di Geofisica e Vulcanologia (National Institute of Geophysics and Volcanology), Rome, Italy (9 July).
- Launch of the Call for Papers - Special Issue on Geoethics of the journal Andean Geology "Geoethics in Chile and Latin America: Contextual Reflections for Responsible Geoscience" (Editors: Luisa Pinto, Hernán Bobadilla, Tania Villaseñor, Millarca Valenzuela): <https://www.geoethics.org/post/call-for-papers-special-issue-on-geoethics-in-chile-and-latin-america-contextual-reflections-for-responsible-geoscience>

[geoethics-of-the-journal-andean-geology](#) (16 July).

- 2nd session titled "Sampling ethics and geo-data sovereignty in Aotearoa (by Karaitiana Taiuru, Ngāi Tahu, Ngāti Kahungunu, Ngāti Toa, and Ben Kennedy, University of Canterbury)" of the Geoethics Aotearoa New Zealand Seminar Series, organized by IAPG-New Zealand/GSNZ Geoethics Special Interest Group and hosted under the auspices of the Geoscience Society of New Zealand (GSNZ) (22 July).
- New article published in the IAPG Blog: "Off-Earth Geoethics" by Ilan Kelman (United Kingdom) (<http://www.geoethics.org/articles-from-iapg-blog>) (27 July).
- Panel on "Communicating science with awareness" ("Comunicacion de la Ciencia a Conciencia"), organized by the Geoethics Group of the Geological Society of Chile/IAPG-Chile (29 July).

August 2025

- Workshop "Developing Geoethical Judgment: Cases That Could Happen to Us – What to Do?" organized by IAPG-Chile/Geoethics Specialist Group of the Geological Society of Chile (SGCh) (11 August).
- Announced the Board of Scholars of the CIPSH Chair on Geoethics: <https://www.geoethics.org/cipsh-cg/board-of-scholars> (14 August).
- Launch of the Call for Papers - Special Issue of the Journal of Geoethics and Social Geosciences (JGSG) "Geoethics and Social Geosciences in Africa: Challenges, Practices, and Perspectives" (Editors: Silvia Peppoloni, Giuseppe Di Capua): <https://www.geoethics.org/post/call-for-papers-jgsg-special-issue-on-geoethics-and-social-geosciences-in-africa> (16 August).
- 3rd session titled "Ethics in hazard warning and response (by Sally Potter)" of the Geoethics Aotearoa New Zealand Seminar Series, organized by IAPG-New Zealand/GSNZ Geoethics Special Interest Group and hosted under the auspices of the Geoscience Society of New Zealand (GSNZ) (21 August).

September 2025

- Silvia Peppoloni and Giuseppe Di Capua represented the Chair on Geoethics of the International Council for Philosophy and Human Sciences (CIPSH) and the International

Association for Promoting Geoethics (IAPG) at the CIPSH Executive Committee Meeting 2025 (15-16 September).

- IAPG is partner of the Regional Conference on Geomorphology of the International Association of Geomorphologists (IAG) in Timisoara, Romania (16-18 September).
- Marita Ahumada (IAPG Continental Coordinator for South America) delivered a Keynote Lecture, titled "Sustainable Mining Industry: Stages, Environmental Aspects" at the 3rd Argentinian Congress of Engineering Geology and the Environment, organized by ASAGAI - Asociación Argentina de Geología Aplicada a la Ingeniería (Argentinian Association of Applied Geology to Engineering), in Cordoba, Argentina. IAPG co-sponsors this event (26 September).

October 2025

- Silvia Peppoloni (IAPG President and Chair of the IUGS Commission on Geoethics) delivered an online keynote speech titled "Geoethics and DEIA: values, principles, and methods for building a fair and sustainable future" at the 11th International Conference of the African Association of Women in Geosciences (CAAWG11) in Kampala, Uganda. IAPG is partner of the CAAWG11. Silvia Peppoloni (IAPG President), Ezzoura Errami (IAPG Continental Coordinator for Africa and AAWG President), and Giuseppe Di Capua (IAPG Secretary General) are members of the Scientific Committee. Ezzoura Errami is also member of the Steering Committee (1 October).
- 4th session titled "Empowering Young Women in Geoscience: Girls* on Ice (by Julia Martin)" of the Geoethics Aotearoa New Zealand Seminar Series, organized by IAPG-New Zealand/GSNZ Geoethics Special Interest Group and hosted under the auspices of the Geoscience Society of New Zealand (GSNZ) (2 October).
- 5th session titled "Critical Minerals and Critical Perspectives: Political Ecologies of Mining in Aotearoa and the USA (by Noel Vineyard and Glenn Banks)" of the Geoethics Aotearoa New Zealand Seminar Series, organized by IAPG-New Zealand/GSNZ Geoethics Special Interest Group and hosted under the auspices of the Geoscience Society of New Zealand (GSNZ) (14 October).
- Celebration of the 9th edition of the International Geoethics Day "geoethics for a sustainable energy future" (16 October).

November 2025

- Silvia Peppoloni (IAPG President and Chair of the IUGS Commission on Geoethics) delivered a keynote speech titled "Geoethics as a Foundation for Navigating the Ethical Responsibilities of Geologists in a Changing Age" at the 5th International Professional Geology Conference (IPGC), organized by the Spanish Official Association of Geologists (Colegio Oficial de Geólogos), the European Federation of Geologists (EFG) and the Portuguese Association of Geologists (Associação Portuguesa de Geólogos) in Zaragoza, Spain (5 November).
- Lecture on Geoethics by Silvia Peppoloni (IAPG President and Chair of the IUGS Commission on Geoethics) and Panel Discussion (Kátia Leite Mansur, Rosely Aparecida Liguori Imbernon, Paulo de Tarso A. Castro). This event was organized by the Commission on Geology in Basic Education and Geoethics Commission of the Brazilian Society of Geology (SBG - Sociedade Brasileira de Geologia) (12 November).
- Vincent Cronin (IAPG Continental Coordinator for North America) delivered an online invited talk titled "Applied Ethics Resources for Geoscience Students and Professionals" at the III Meeting of the Ethics Committee in Scientific Research, titled "Getting to Know CEINCI". This event will take place at the Aula Máxima de Ciencias (Auditorium), located on the main campus of Universidad Industrial de Santander in Bucaramanga, Colombia (21 November).
- Silvia Peppoloni (IAPG President and Chair of the IUGS Commission on Geoethics) delivered an invited talk (in Italian) titled "La geoetica come fondamento per affrontare le responsabilità etiche dei geologi in un mondo in trasformazione" (Geoethics as a foundation for addressing the ethical responsibilities of geologists in a transforming world) at an event titled "Il Ruolo del Geologo tra Etica, Competenze e Welfare Professionale: dal Sapere alla Tutela" (The Role of the Geologist between Ethics, Skills, and Professional Welfare: from Knowledge to Protection) organized by the Ordine dei Geologi della Liguria (Professional Order of Geologists of Liguria), with the patronage of the Consiglio Nazionale dei Geologi (National Council of Geologists), in Genoa, Italy (25 November).
- IAPG-Peru co-organized the workshop titled "The Practice of Geoethics and Its

Importance in Geosciences". This event took place at the Auditorium, 1st Floor, School of Geology, of the Universidad Nacional Mayor de San Marcos (UNMSM) in Lima, Peru (26-27 November).

- Paul Cleverley (IAPG Board of Experts and Chair Chair of the Task Group on AI in Geosciences of the IUGS Commission on Geoethics) delivered a webinar titled "Large Language Models and Their Role in Geoscience Education: Opportunities and Challenges". This event was organized by the IUGS Commission on Geoscience Education (COGE) - Education, Outreach, and Policy (EOP) (27 November).
- IAPG is an international supporting partner of the 15th Asian Regional Conference (ARC-15) of IAEG, jointly organized by the IAEG Bangladesh National Group (IBNG) and Nepal Society of Engineering Geology (NSEG), in Kathmandu, Nepal. Silvia Peppoloni (IAPG President) and Giuseppe Di Capua (IAPG Secretary General) are International Advisory Members of ARC-15 (27-29 November).

December 2025

- Martin Bohle (IAPG Board of Experts) delivered an invited talk titled "Geoethics, an Epistemic–Moral Hybrid for Tellurian Practices" at Max Weber Centre, University of Erfurt, Germany (2 December).
- Course organized by the Geological Society on London titled "Online Training: Exploring Geoethics: Ethics of Responsibility Towards the Earth System". Speakers: Silvia Peppoloni and Giuseppe Di Capua (3-11 December).
- Martin Bohle (IAPG Board of Experts) delivered an online invited talk titled "Ethics of the Anthropocene". This event was organized by Vrije Universiteit Amsterdam, The Netherlands (11 December).
- 6th session titled "Navigating a changing world with tohu and maramataka: a decolonial approach to impacts on Aotearoa from Antarctic environmental change" (by Alyssa Thomas) of the Geoethics Aotearoa New Zealand Seminar Series, organized by IAPG-New Zealand/GSNZ Geoethics Special Interest Group and hosted under the auspices of the Geoscience Society of New Zealand (GSNZ) (11 December).

7. Plans 2026

Strategic objectives

1. Advance the global understanding and application of geoethics across the geosciences by engaging interdisciplinary perspectives and international networks.
2. Strengthen the visibility, credibility, and impact of geoethics within the international geoscientific community and the broader global ethics discourse.
3. Support capacity building through training, dissemination, and outreach activities that emphasize the ethical dimensions of human-Earth interactions and sustainability.
4. Foster intercultural and interdisciplinary dialogue and collaboration among geoscientists, scholars from diverse disciplinary backgrounds, institutions, stakeholders, and related fields.
5. Produce and disseminate high-quality scientific and educational materials that highlight geoethics as a vital element of global ethical frameworks.
6. Support other geoscience organizations and institutions in addressing ethical cases and integrating geoethical principles into decision-making processes.

Events

- Giuseppe Di Capua (IAPG Secretary General) will represent the IAPG at the 82nd IUGS Executive Committee meeting and workshop on “Geosciences in LAC” in Bogotá, Colombia. Silvia Peppoloni (IAPG President and Chair of the IUGS Commission on Geoethics) will represent the IUGS Commission on Geoethics at the same events (22-25 January).
- IAPG-New Zealand will contribute to the convenorship and presentations to the session “Engaging the relational work of geomorphology” at the 11th IAG International Conference on Geomorphology in Ōtautahi Christchurch, Aotearoa New Zealand (5 February).
- IAPG-Peru will co-organize MinerLima 2026, the International Minerals Exhibition of Lima, Peru (4-8 February).

- IAPG-Italy/Geoethics and Geological Culture Section of the Italian Geological Society (SGI) will co-organize a webinar (in Italian) entitled “Human Times, Earth Times: Scientific and Ethical Aspects” (Tempi dell'uomo, tempi della Terra: aspetti scientifici ed etici). Speaker Enrico Cameron (IAPG-Italy Coordinator) (23 April).
- IAPG, IUGS Commission on Geoethics, and CIPSH Chair on Geoethics will co-sponsor the following events at the European Geosciences Union General Assembly 2026 (EGU26) in Vienna, Austria (3-8 May):
 - Session EOS4.1: Geoethics: Linking Geoscience Knowledge, Ethical Responsibility, and Action (Conveners: Silvia Peppoloni, Giuseppe Di Capua).
 - Session EOS2.6: From crisis to action: Education and communication for climate, ocean, overshoot and geoethics (Conveners: David Crookall, Giuseppe Di Capua, Svitlana Krakovska, Pimnutcha Promduangsri, Mario Luiz Mascagni).
 - Short Course SC1.11: Grappling with geoethical values and principles: A hands-on, participatory workshop (Conveners: David Crookall, Giuseppe Di Capua, Berill Blair, Pimnutcha Promduangsri, Sebastián Granados)
 - Great Debate GDB2: The ethics of using Artificial Intelligence in the Geosciences - Opportunities and Risks (Conveners: Jens Klump, Alice-Agnes Gabriel, Giuseppe Di Capua)
- Silvia Peppoloni (IAPG President, Chair of the IUGS Commission on Geoethics, and the Chairholder of the CIPSH Chair on Geoethics), Giuseppe Di Capua (IAPG Secretary General, Treasurer and Secretary of the IUGS Commission on Geoethics), Paul Cleverley (IAPG Board of Experts and Chair of the Task Group on Artificial Intelligence (AI) in Geosciences of the IUGS Commission on Geoethics) will convene the hybrid conference “AI in the Geosciences” organized by the Geological Society of London (GSL) in London, United Kingdom: <https://www.geolsoc.org.uk/events/ai-in-the-geosciences/> (4-5 June).
- Webinar (in Italian) titled “Geoethics: Definition, Concepts, Values, and Tools”, co-organized by the Department of Science - University of Roma Tre, Order of Geologists of Lazio, Department of Earth Sciences - Sapienza University of Rome. Speaker: Silvia Peppoloni (IAPG President and Chair of the IUGS Commission on Geoethics) (Online, date to be determined).
- Webinar on geoethics, organized by IUGS-COGE Speaker: Silvia Peppoloni (IAPG

President and Chair of the IUGS Commission on Geoethics) (Online, date to be determined).

- Course “Introducing Geoethics: Resources, Risks, and Responsibilities” organized at the University of Roma 3, Italy (date to be determined).
- Invited talk on geoethics by Giuseppe Di Capua (IAPG Secretary General) at the 12th Meggen Raw Material Days in Lennestadt, Germany (16-18 September).
- Seminar “Geoethics and Global Ethics in a Time of Polycrisis: Comparative Perspectives on Human-Earth Relations” co-organized by the CIPSH Chair on Geoethics with the International Academy of the International Council for Philosophy and Human Sciences, in collaboration with the IUGS Commission on Geoethics and the National Institute of Geophysics and Volcanology, Rome, Italy (October, date to be determined).

Publications

- Book: Peppoloni S. and Di Capua G. (2026). *Che cosa è la Geoetica? (What is Geoethics?)* Carocci editore, Roma (in Italian).
- Book: Bobadilla H. and Hesselbein C. (2026). *The Value of Local Knowledges*. SpringerBriefs in Geoethics, Springer, Cham.
- Book: Peppoloni S. and Di Capua G. (2026). *Introduction to Geoethics*. SpringerBriefs in Geoethics, Springer, Cham.
- Book: Bohle M. (2026). *Earth, Geo-Civicness, and Tellurian Discourses*. SpringerBriefs in Geoethics, Springer, Cham.
- Special Issue: Peppoloni S. and Di Capua G., eds. (2026). *Geoethics and Social Geosciences in Africa: Challenges, Practices, and Perspectives*. *Journal of Geoethics and Social Geosciences*, Vol. 2.
- Book Chapter: Peppoloni S., Delfino M., Di Capua G., and Lozar F. (2026). *Ethical Challenges in Palaeontology*. In: de Souza Carvalho I. and Paiva Henriques M.H. (eds.), *Paleontological Heritage: New perspectives on vanishing worlds*, Springer.
- Journal Article: Peppoloni S. and Di Capua G. (2026). *Geoethics: Responsibilities of Geoscientists in Shaping a Responsible Future*. *Annual Review of Earth and Planetary Sciences* (accepted for publication).

Relevant documents

- "Recommendations for the use of 'open-ness' terminology in Geoscience AI research, models and applications" by the IUGS Commission on Geoethics.
- "A Geoethics Primer for Geoscientists" by Vincent Cronin (IAPG Continental Coordinator for North America).

Other activities

- Supporting the IUGS-Initiative on Forensic Geology: Silvia Peppoloni, IUGS-IFG Ethics Adviser.
- Contributing to the development and expansion of the International Geoethics Research Infrastructure (IGRI).

Name, address and e-mail of person preparing this report

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