

Candidate for IUGS Executive Committee

Position: President

Name: Silvia Peppoloni

Affiliation:

Istituto Nazionale di Geofisica e Vulcanologia
(Rome, Italy)

Nominating Organization:

International Association for Promoting Geoethics



Biography:

I was born and live in Rome. Since my childhood, I've always been fascinated by the grandeur of geological phenomena on our living planet. This has fueled my deep passion for geology.

After the degree and PhD in Geological Sciences, my career focused on geological hazards and risks, including participation in emergency response efforts during earthquakes in Italy. Since 1999, I've been working as a researcher at the Italian Institute of Geophysics and Volcanology. My skills in geomorphology and engineering geology are addressed to analyse geomorphological and geotechnical aspects of seismic hazard. For around 15 years, I've been developing geoethics research, exploring the ethical, social, and cultural implications of geosciences, including risk communication and other issues at the geoscience-society interface.

I was a Professor of geology and applied geology at the Rome University "Sapienza" and Viterbo "Tuscia" (2008-2011). I have participated in European projects as Work-Package/Task leader and member of advisory boards, and collaborated with Universities, Research Institutes, and geoscience organizations, teaching courses on disaster risk reduction, sustainability, and geoethics. I also worked as consultant geologist in the fields of seismic microzonation, subsoil investigations for building construction and infrastructures, and risk mitigation of historical monuments. From 2007 to 2011, I was CEO of an engineering company, aiming to develop methodologies for protecting built and natural environments. I was IUGS Councilor (2018-2022), Chair of the Ethical Advisory Board of ICOS - Integrated Carbon

Observation System (2017-2023), and member of the Executive Committees of several geoscience organizations.

Currently, I serve as Chair of the IUGS Commission on Geoethics, Secretary General of the International Association for Promoting Geoethics, Chairholder on Geoethics of the International Council for Philosophy and Human Sciences, Director of the School on Geoethics and Natural Issues, as well as member of the Climate Intervention Research Advisory Board of the American Geophysical Union, Editor-in-Chief of the SpringerBrief in Geoethics and the Journal of Geoethics and Social Geosciences, and member of the Standing Committee for Gender Equality in Science within the International Science Council. I'm also a science writer for newspapers and magazines, and author of books on geosciences for the general public. Finally, I co-authored the Geoethical Promise (the "Hippocratic-like Oath" for geoscientists), and the Cape Town Statement on Geoethics.

Statement:

Through my work experiences, I've learned the value of geological knowledge in ensuring human safety and well-being, the significance of responsibly practicing geology, by using geological knowledge to serve public good.

The IUGS is a leading global geoscience organization, playing a crucial role in advancing geological disciplines worldwide. It brings together geoscientists from diverse backgrounds, cultures, and regions to exchange knowledge, cooperate across disciplines, and share groundbreaking discoveries, promoting scientific discourse and innovation in geological research. Therefore, it should raise its political profile and assume a leading role in addressing current global challenges, promoting global governance to safeguard land, water and air, and responsibly use georesources for future generations, while advocating for diversity, equity, and inclusion.

With those objectives, I'm honored to offer my service as IUGS President.