

**Bio.** Massimiliano Barbolini is an engineer born in 1969 with twenty-five years of experience in research, teaching, and consulting activity in the field of natural hazards of gravity-driven fast-moving type (snow avalanches, debris flows, rock falls, shallow landslides, torrential floods, etc.).

In this field, his interests have covered a variety of subjects: numerical modelling, hazard and risk mapping, vulnerability studies, risk mitigation, either structural or non-structural. Over time, he has been involved in experimental activities too, both in the laboratory and in the field, as well as in the technological transfer of research outcomes.

After a MSc in aeronautical engineering at Politecnico di Milano and a PhD at the Civil Engineering School of the University of Pavia, he got a four-year Post-Doc grant by the University of Pavia to carry on his research activities and collaboration projects in the field of geo-hazard.

Since 2004 he has shared his time between teaching (with a position at University of Pavia as Adjunct Professor of the Master Degree course for Civil and Environmental Engineer “Snow avalanches and Related Mountain Natural Hazard”), consulting work (he is co-founder and CTO of the Company Flow-Ing s.r.l., engaged in engineering studies and projects for natural hazard mitigation) and applied research.

He has participated to several projects funded by the European Community in the field of natural hazards collaborating with the most important research institutes operating at European level in this field.

The outcomes of his research have been published in international journals and conference proceedings. He has co-authored technical guidelines at national and European level and has been a member of Editorial board of international journals and conferences. At professional level, he has been assigned as chief engineer and/or building manager of several important national projects for natural risk mitigation. Due to his expertise in the field of natural hazard prevention in 2022 he was certified as an “Expert Engineer” in the field of natural risk prevention by the National Agency for the Certification of Competence of Engineers (CertIng +Advanced - Certificate Number SPB-5494-IT22).