

Marco Giardino, born in Turin, Italy on July 3rd, 1961.

Associate Professor of Physical Geography and Geomorphology at the Faculty of Mathematical, Physical and Natural Sciences of the University of Turin.

2009-2010, visiting scientist at the Earth Sciences Department, Simon Fraser University, Burnaby, Canada.

1999-2010, assistant professor at the University of Turin, Department of Earth Sciences.

1995-1997 researcher at the CNR National Research Council, Centre for the Study of Geodynamics, Italy.

1992-1993 visiting scientist at the U.S.G.S. - Branch of Earthquake and Landslide Hazard Golden, Colorado, USA.

Research interest

His research activities covers most fields of scientific-disciplinary sector of Physical Geography and Geomorphology: the study of the morphodynamics of alpine relief; analysis of geomorphological hazards and risks (slope instability, glacial dynamics), but especially: the study of geomorphological and environmental heritage, in order to preserve the Geodiversity and to develop effective strategies for geoconservation. In the various issues the candidate has developed its own unique approach, by using of innovative technological tools for the collection and dissemination of scientific data. On these issues, he was Principal Investigators/Head of Research Unit in several projects: PRIN 2004 (Il patrimonio geomorfologico come risorsa per un turismo sostenibile), EU- Interreg IIIA Italia Francia 2003-2005 (I Monti nati dal Mare: Geologia e Turismo fra Dora e Durance), JCAPC 2011 (Proactive Management of Geological Heritage in the Piemonte Region), MIUR- Legge 6/2000 bando 2012 (GeoMedia-web: multimedia and networksfor dissemination of knowledge on geoheritage and natural risk).

Projects

In Italy, he participated in the CARG project, then was scientific coordinator for the Valle d'Aosta region of the IFFI Project (Landslide Inventory), and for several research agreements with public institutions for the study of resources and geomorphological risk. He analyzes the geodiversity through geomatics tools, for assessment and management of geological heritage. On these issues, he collaborates with several Italian and foreign institutions (Tripura University, India; Simon Fraser University, Canada; University of Canterbury, New Zealand; CNRS-Laboratoire EDYTHEM-Universite de Savoie, France; USGS Geologic Hazard Team; CNR-IRPI, Italia; ITHACA, Politecnico di Torino, Italia).

Services to the Scientific Community

In 2001 he founded the Laboratory of geothematic Cartography and Geographic Information Systems (GeoSitLab). In 2007 he founded IMAGEO, Spin-off Company of the University of Torino in the field of innovative methods for geological and geomorphological research. Since 2003 he is co-opted member of the Italian Glaciological Committee and a member of several scientific societies (AEGS, AIGEO, EGU, G&T, IAEG, SGI, GeoProgress). Since 2008 he has been secretary of the Association of European Geological Society (AEGS), and in 2013 co-chair of the IAG / AIG Working Group on Evaluation for Landform Geodiversity.

Didactics

In addition to the research activities he devotes much attention to the problems of teaching and scientific popularization: since the academic year 1999-2000, he is assistant professor at the Faculty of Mathematical, Physical and Natural Sciences of the University of Turin (Applied Geomorphology, Geomorphology, Geodynamics and Morphogenesis) from the same academic year he is teaching "Dynamics and environmental risk in the Earth Sciences" at the Inter-School "SIS-Piemonte." In the field of Higher Education is a member of the Faculty Council of the Graduate School of Science and High Technology of the University of Turin, as well as lecturer in courses and excursions on geomorphological issues. Since 2009 he is the coordinator of the European project EU-Canada Transatlantic Exchange Partnership "geoNatHaz" of university exchanges and high-level training in the field of Earth Sciences.