

Course Coordinator: Scambelluri Marco	
Department of Earth, Environmental and Life Sciences (Dipartimento di Scienze della Terra, dell'Ambiente e della Vita – DISTAV)	
Places: 4 – Grants: 4 (*)	
(*) 2 grants funded by the University of Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00; (*) 1 grant funded within the D.M. 118 issued the 02.03.2023 (addressed on Cultural Heritage), under condition to the approval of Ministerial funding. The annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00; (*) 1 grant funded within the frame of the PNRR PE3 RETURN Partnership. The annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	22/07/2023 at 10,00 (CET) in presence. Candidates can also participate online (platforms Teams or Skype) by contacting in advance Prof. Marco Scambelluri Dipartimento di Scienze della Terra dell'Ambiente e della Vita (DISTAV) (+39) 0103538307 marco.scambelluri@unige.it
Further information on how to present qualifications/publications	By titles are meant all information contained in the application form and in the documents attached to it. The application must be accompanied by: a) the candidate's curriculum vitae et studiorum (maximum ten pages), with indication of the degree mark. b) a research project relating to one of the research topics published in the call for the XXXIX cycle of the Doctorate in Sciences and Technologies for the Earth and the Environment of the University of Genoa (Earth Sciences curriculum; maximum ten pages). c) a document containing the title and an abstract of the Master's degree thesis, together with the list of exams taken and their marks. d) any additional documented qualification acquired during the candidate's career and relating to the proposed research project and to the research topics pertinent to the PhD Program (maximum ten pages). e) from minimum one to maximum three reference letters. In the application form candidates must indicate the names, qualification and Institution of referents writing the support letters. Candidates can write their project and application forms either in Italian or in English
Exam Syllabus	The interview will deal with: 1. the general knowledge of geological themes, processes and topics of general interest and of specific interest to the proposed research. 2. an in-depth discussion of the activity carried out by the PhD candidate during his/her studies and during the master degree thesis. The interview will also test the candidate's knowledge of basic topics, of analytical and work tools and of the experimental methodologies pertinent to the research topic dealt with in the project presented. 3. the specific research topic that the candidate aims to develop during the research doctorate. 4. an evaluation of the candidate's knowledge of the English language.
Research Themes	The following list reports the titles of research topics on which the STAT Doctorate fellowships (XXXIX Cycle, Earth Sciences curriculum), are addressed. More detailed information on the research topics is available on the STAT PhD website (http://www.distav.unige.it/phdstat/it - Research topics). Candidates must choose only one of the 7 research topics listed below: projects on different topics are evaluated with zero points 1) Timing, facies and (bio)diversity of the shallow marine deposits of the Oligocene transgression in Liguria and southern Piedmont: coupling biostratigraphic data and high resolution palaeoenvironmental reconstructions (University grant). 2) Geophysical and paleomagnetic model of the evolution and growing rates of Brothers submarine volcano in the Kermadec Arc from IODP Expedition 376 data (University grant).

	<p>3) Records of seismic cycles in high pressure exhumed oceanic units: structural characterization (University grant).</p> <p>4) Eclogitization of the oceanic lithosphere by hydration of brittle structures (University grant).</p> <p>5) Geogenic Radioactivity for Predicting Ionizing Radiation Hazard and Indoor Radon (University grant).</p> <p>6) Experimental study of natural cobalt blue pigments (D.M. 118 grant).</p> <p>7) Slope stability analysis under a changing climate (PNRR PE3 Partnership program RETURN grant).</p>
Information on references	<p>In accordance with article 3 paragraph 3 of the call, the candidate must choose minimum one, up to three referents supporting their PhD application.</p> <p>In their application forms, the PhD candidates must indicate the name, qualification and Institution of each referent. Referents must be University professors and researchers, or well-known experts in the subject. Referents must send their letters in "pdf" format, within the deadline for submitting the application to Prof. Prof. Marco Scambelluri (marco.scambelluri@unige.it), the responsible for the Doctorate curriculum).</p>
Foreign Languages	English
Further Information	<p>Further information is available on the doctorate website (http://www.distav.unige.it/phdstat/it) and can be requested to</p> <ul style="list-style-type: none"> • Prof. Marco Scambelluri (marco.scambelluri@unige.it), coordinator; • Prof. Antonino Briguglio (antonino.briguglio@unige.it), theme 1; • Prof. Fabio Caratori Tontini (fabio.caratori.tontini@unige.it), theme 2; • Prof.ssa Laura Federico (laura.federico@unige.it), theme 3; • Prof. Marco Marco Scambelluri (marco.scambelluri@unige.it), theme 4; • Prof. Massimo Verdoya (massimo.verdoya@unige.it), theme 5; • Prof.ssa Laura Gaggero (laura.gaggero@unige.it), theme 6; • Prof. Giacomo Pepe (Giacomo.Pepe@unige.it), theme 7