ANNEX A

PhD Course PROTECTION AND SUSTAINABILITY OF ENVIRONMENTAL AND BUILT SYSTEMS (DOT197W57F)

Coordinator	Prof. Bruno Lasserre e-mail: lasserre@unimol.it	
Short description	The PhD Programme in Protection and Sustainability of Environmental and Built Systems operates in research fields related to applied ecology, the sustainable use of natural resources, environmental management, and the protection of territory and the built environment. In particular, it addresses the complex and multidimensional issues connected with management and conservation activities concerning the structure, functionality, stability and productivity of forest ecosystems, including the soil system, the ecological and productive restoration of ecosystems and forest recolonization, the protection of biological diversity at the genetic, species and structural-territorial levels, as well as multi-scale eco-sustainable design and the safeguarding of architectural heritage and infrastructures. The programme includes the study of the environment, territory and the built environment in their different dimensions through innovative multi-scale approaches aimed at integrating the need for environmental protection with socio-economic development, also through the engineering design of defence systems against natural and anthropogenic risks. The programme aims at the acquisition of advanced skills in the conservation, enhancement, management and sustainable planning of natural resources, territorial heritage and settlement systems, also with reference to the process of territorialization from a diachronic perspective. In particular, PhD students acquire theoretical and practical knowledge to: carry out functional analyses of ecological and territorial systems, define and implement environmental and territorial monitoring protocols and advanced tools for the conservation and enhancement of biodiversity, develop and use sustainable landscape management and planning approaches, conduct environmental impact assessments and strategic environmental assessments together with the related historical and geographical investigations, use innovative methodologies for the protection of environmental, cultural, architectural and infrastructural heritage and for the eco-sustainable design of interventions on the built environment. The interdisciplinary educational objectives of the Programme are oriented towards the acquisition of: levels of English language proficiency that can be used in an international context; skills in data processing, including statistical analysis, and in the presentation of scientific reports both written and oral; mastery of bibliographic research tools; competence in research manager soft skills (personnel management, cost analysis, problem solving, ability to organize a research activity, follow its development and adopt the necessary measures to ensure its results).	
Web Site	Information on the structure of PhD activities is available on the webpage of the Doctoral School: site: https://www3.unimol.it/ricerca/scuola-di-dottorato/generiche/24	
Duration of the Programme	01/11/2026 – 31/10/2029	
Total Number of Available Positions	**Position with scholarship funded by Molise Region (PR Molise FESR FSE+ Regione Molise 2021/2027)**	**1**
	Position with scholarship funded by Molise Region (PR Molise FESR FSE+ Regione Molise 2021/2027) reserved to graduates in foreign universities	**1**
	Position with scholarship funded by Molise Region (PR Molise FESR FSE+ Regione Molise 2021/2027) with mandatory period in Company	**1**

Via F. de Sanctis - 86100 Campobasso Tel +39 0874 40 41 - Numero verde 800 588 815
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	Position with scholarship cofunded by Molise Region (PR Molise FESR FSE+ Regione Molise 2021/2027) and by Company	**1**
	Positions without scholarship	**0**
	TOTAL positions with scholarship	**4**
Admission requirements	All specialized or master's degrees, or degrees of the system prior to that introduced with the D.M. 509/1999. For candidates who have acquired the title abroad, the latter must have equivalent characteristics with those indicated above.	
Assessable Qualifications and Corresponding Scores	List of assessable qualifications up to a maximum of **20/100:** - curriculum vitae et studiorum (fac-simile annex n.5); - Final degree mark; in the case students did not graduated yet the average of the marks obtained to each exam will be considered (max 5 points) - Scientific publications on peer-reviewed journals (max. number 3), scientific publications in congress proceedings (max. number 3) (max 5 points) - participation to national and international congresses with oral presentations and posters (max 5 points) - Other qualifications considered evaluable (study grants, awards, courses attended, Masters, Erasmus or study programs abroad, work experiences related to the PhD themes, etc) (max 5 points)	
Examination Topics and Interview *Please note that the research proposal described in the report (Annex 5), submitted for the purposes of the competition, does not necessarily correspond to the research project that will ultimately be carried out during the PhD Programme. Should the candidate be admitted, the actual research project will be subsequently defined and approved by the PhD Committee Board*	**Research proposal (awarded up to a maximum of 30/100).** Applicants are required to demonstrate active engagement with the research themes of the PhD Programme by submitting a research proposal, which forms an integral part of the application. The proposal must be dated, signed by the applicant, and prepared in accordance with Annex 5. The proposal, which should be consistent with the applicant's postgraduate qualification, must focus on one of the Doctorate research areas briefly outlined below: 1. Theme: Environmental analysis and monitoring through the integration of traditional approaches and innovative technologies for the study of ecosystem dynamics in the context of global change **1 Position with scholarship funded by Molise Region (PR Molise FESR FSE+ Regione Molise 2021/2027) + 1 Position with scholarship funded by Molise Region (PR Molise FESR FSE+ Regione Molise 2021/2027) reserved to graduates in foreign universities** 3. Theme: Eco-evolutionary aspects of the diversification of Italian snakes ***1* Position with scholarship funded by Molise Region (PR Molise FESR FSE+ Regione Molise 2021/2027) with mandatory period in Company** 4. Theme: Innovative tools for the protection, monitoring and sustainable management of environmental and built systems **1 Position cofunded by Molise Region (PR Molise FESR FSE+ Regione Molise 2021/2027) and by Company** **Interview** (qualifications up to a maximum of **50/100)**	

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	The oral exam and interview will consist in the oral presentation of the research proposal and a discussion of the technical and scientific issues related to it. Knowledge of the English language will also be evaluated. Candidates can carry out the presentation and discussion in English.
Criteria for the evaluation	The assessment of candidates is divided into two stages. The first stage concerns the evaluation of assessable qualifications and the research proposal. Successful completion of this stage is a prerequisite for admission to the oral examination (second stage). The results of the first stage of assessment will be published, as soon as available, on the University website at: https://www3.unimol.it/ricerca/scuola-di-dottorato/generiche/24 In order to be admitted to the oral examination, candidates must obtain a minimum score of **30/100**, calculated as the sum of the marks awarded for assessable qualifications and the research proposal. The maximum score obtainable by each candidate is **100/100**, allocated as follows: • **20/100 Assessable qualifications** • **30/100 Evaluation of the research proposal submitted with the application** o Consistency of the project proposal with the themes indicated (max 6 points) o Originality of the project and the contribution to knowledge in the area (max 6 points) o Clarity and mastery of knowledge in the area of the project - state of the art (max 6 points) o Project structure and feasibility (max 6 points) o Organization and synthesis (max 6 points) • **50/100 Oral examination relating to the discussion of the submitted research proposal** o Clarity and mastery of knowledge in the area of the project - state of the art (max 15 points) o Clarity of the candidate to expose and describe the objectives, originality, expected results, contribution to the knowledge of the area and any application implications of the proposed research (max 20 points) o Candidate's ability to discuss the structure of the project, including methods (max 15 points) The results of the second stage of assessment will be published, as soon as they are available, on the University website at the following link: https://www3.unimol.it/ricerca/scuola-di-dottorato/generiche/24, in the section dedicated to the relevant Doctorate programme.
Ranking	Candidates obtaining an overall score of at least **60/100** will be included in the final merit ranking.

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Date of the Interview	Date: 29th September 2026, at 9.00 (GMT+2), according to the schedule established by the Selection Committee on the basis of the number of candidates admitted to the interview. Venue: for candidates opting to sit the oral examination ● On-site: Aula SRC; Dipartimento di Bioscienze e Territorio, Università degli Studi del Molise, Contrada Fonte Lappone snc; 86100 Pesche (IS), ITALY. ● **online**: Google *Meet*: https://meet.google.com/crt-jwdp-gkt

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