

PhD Programme table 37th cycle – PON Call for application “Ricerca e Innovazione” 2014 – 2020



UNIONE EUROPEA
Fondo Sociale Europeo



PROGRAMME'S NAME	History and Archaeology – Studies on Heritage, Memory and Cultures
DURATION	3 years
PROGRAMME START DATE	01/01/2022
LANGUAGE	Italian, English
COORDINATOR	Prof. Andrea Augenti (andrea.augenti@unibo.it)
CURRICULA	N/A
RESEARCH TOPICS	Detailed list at the bottom of the present document
PHD POSITIONS	3
ADMISSION PROCEDURE	Qualifications and research proposal evaluation

Available Positions and Scholarships

Actions	Pos. n.	Financial Support	Research topic
Action IV.5 – PhDs on green topics	1	PhD Scholarship	Sensing the past: non-invasive survey methodologies for preventative archaeology and landscape archaeology
	2	PhD Scholarship	Reconstructing the origin and development of traditional human-animal relationships in Italy: tools for a sustainable husbandry
	3	PhD Scholarship	Climatology and historical landscape: data, proxies and representations of a valley environment. The case of Pomposa

Required and Supporting Documents to be attached to the application

(only documents in Italian, English, French, German and Spanish shall be considered as valid and be assessed by the Admission Board)

Only qualifications obtained during the last 5 calendar years shall be taken into consideration, except for the University Degree. **The Admission Board will assess the relevance of the supporting documents to the criteria listed in Art. 3 of the Ministerial Decree 1061/2021 (see also Art. 4 of the Call for applications).**

REQUIRED DOCUMENTS	
Identity document	Valid identity document with photo (i.e. identity card, passport)
Curriculum Vitae	No specific CV format is required
Degrees	Documents attesting the awarding of the first and second cycle degrees (see Art. 3 of the Call for Applications)
Research proposal	Multi-annual research proposal, with special emphasis on the activities to be completed during the first-year course. The proposal must meet the following requirements: <ul style="list-style-type: none"> - it cannot exceed 20,000 characters, including spaces and formulas, if present. This figure does not include: the title, the outline, references and images (such as graphs, diagrams, tables etc. - where present);

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	- it must be written following the template provided for Action IV.5 “PhDs on Green topics”. The template is attached to the Call for Application and available for download on the University website.
SUPPORTING DOCUMENTS	
Publications	Lists of publications (i.e. monographs, articles on scientific journals), minor publications (conference papers, etc.), abstracts and posters presented during national and international conferences, etc.

Evaluation criteria

The **results of the admission exams** will be available **from 03/11/2021** on [Studenti Online](#) (select “summary of the requests in progress” > “see detail” and open the .pdf file at the bottom of the page). **No personal written communication will be sent to applicants concerning the examinations results.**

Scores will be expressed in points out of 100, as follows.

Minimum score for eligibility: 60 points

Qualifications evaluation	University degree final mark. Graduands shall be evaluated according to the Weighted Average Mark (WAM)	10 points max
	Publications	10 points max
Research proposal evaluation		80 points max

Research Topics

n. 1 - GREEN

Thematic area SNSI 2014-20	Tourism, cultural heritage and creativity industry
PNR 2021-2027*	5.6.1 Green technologies; 5.2.1 Cultural heritage; 5.4.1 Digital transition
Project title	Sensing the past: non-invasive survey methodologies for preventative archaeology and landscape archaeology
Project description	<p>Remote sensing and geophysical diagnostic techniques have been widely used for a long time and their success rate is critically discussed. The project aims to investigate the systematic application, both intensive and extensive, of innovative survey techniques in the light of the latest developments in methods and technologies. The research has an important impact on the reconstruction of the ancient landscape, directing wise policies of environmental management and protection of areas with archaeological potential.</p> <p>The partnership with the company involved will facilitate aspects of technical training, the possibility of experimentation and will allow the business component to absorb skills and sensitivity of archaeological research.</p>
Mandatory traineeship	6 months
Company type	Engineering, Geology, Environment Sector: company operating in the field of geophysics, topography and applied engineering
Stay abroad	6 months

n. 2 - GREEN

Thematic area SNSI 2014-20	Health, nutrition, quality of life
PNR 2021-2027*	5.6.4 Knowledge and sustainable management of agricultural and forestry systems
Project title	Reconstructing the origin and development of traditional human-animal relationships in Italy: tools for a sustainable husbandry
Project description	<p>The project proposes an innovative approach to the study of domestic animals (sheep, goats, cattle and pigs) from Italian archaeological contexts, adopting scientific analysis (DNA, isotopes) in order to investigate various issues: from the history of intensive farming, to the change and/or improvement of farming techniques over time, to the study of native breeds and those of new introduction.</p> <p>The expected results of the research project aim to enhance the national cultural heritage and obtain a productive impact on the territory, helping the recognition and protection of typical products of animal origin, promoting the preservation of biodiversity and economic sustainability.</p>
Mandatory traineeship	12 months
Company type	Agricultural and livestock enterprises
Stay abroad	6 months

n. 3 - GREEN

Thematic area SNSI 2014-20	Tourism, cultural heritage and creativity industry
PNR 2021-2027*	5.5.2 Climate change, mitigation and adaptation
Project title	Climatology and historical landscape: data, proxies and representations of a valley environment. The case of Pomposa
Project description	<p>Starting from the availability of databases already developed in the department, conceived on the criteria of the semantic web and on the practices of open access, the project proposes to integrate in these databases a complete set of historical data, available through an agreement with a vast consortium of public and private entities that has been set up to return a virtual reconstruction of the archives of S. Maria di Pomposa. In addition to the acquisition and marking of complex data (written, archaeological and environmental sources), the project foresees the development of</p>

	tools to return data sets and virtual representations useful for comparison and integration with the many open sources climate proxies available on the web and to open a scientific collaboration with other research centers engaged in the study of climate change.
Mandatory traineeship	6 months
Company type	Development of web based Cloud and Mobile software for the management of cultural and environmental assets
Stay abroad	6 months

*the translation of PNR 2021-2027 has been carried out by the PhD Unit