

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



UNIONE EUROPEA  
Fondo Sociale Europeo



PROGRAMME'S NAME	PEDAGOGICAL SCIENCES
DURATION	3 years
PROGRAMME START DATE	01/01/2022
LANGUAGE	Italian
COORDINATOR	Prof. Tiziana Pironi ( <a href="mailto:tiziana.pironi@unibo.it">tiziana.pironi@unibo.it</a> )
CURRICULA	N/A
RESEARCH TOPICS	<a href="#">Detailed list at the bottom of the present document</a>
PHD POSITIONS	4
ADMISSION PROCEDURE	Qualifications and research proposal evaluation

### Available Positions and Scholarships

Actions	Pos. n.	Financial Support	Research topic
Action IV.5 “PhDs on innovation topics”	1	PhD Scholarship	Innovation in vocational training to meet the challenges of sustainable development
Action IV.4 “PhDs on green topics”	2	PhD Scholarship	Sustainable human development: the work placement of vulnerable persons in a digitization and circular economy's perspective
	3	PhD Scholarship	Children’s literature as the cornerstone of an interdisciplinary education to sustainability
	4	PhD Scholarship	Sustainability Education, Teachers Training and Publishing Industry

### 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	
<b>Identity document</b>	Valid identity document with photo (i.e. identity card, passport)
<b>Curriculum Vitae</b>	No specific CV format is required
<b>Degrees</b>	Documents attesting the awarding of the first and second cycle degrees (see Art. 3 of the Call for Applications)
<b>Research proposal</b>	Multi-annual research proposal that the applicant proposes to carry out within the PhD programme The proposal must meet the following requirements: <ul style="list-style-type: none"> <li>- have a <b>minimum length of 7,000 characters and a maximum length of 20,000 characters</b>, including spaces and any formulas, excluding title, index, and any illustrative apparatus;</li> </ul>

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	- <b>it must be written following the template</b> provided for Action IV.4 – “PhDs on Innovation topics” or for Action IV.5 “PhDs on Green topics” o . The template is attached to the Call for Application and available for download on the University website
<b>SUPPORTING DOCUMENTS</b>	
<b>Publications</b>	List of scientific publications (monographs, articles in scientific journals), minor publications (proceedings of conferences with national and international distribution, specific contributions in books, etc.) and abstracts and posters at national and international congresses, 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

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

## Research Topics

### n. 1 - INNOVATION

<b>Thematic area SNSI 2014-20</b>	Smart and sustainable industry, energy and environment
<b>PNR 2021-2027*</b>	Social transformation and inclusion society. Articulation 8. Development models, skills and training
<b>Project title</b>	<b>Innovation in vocational training to meet the challenges of sustainable development</b>
<b>Project description</b>	In a constantly changing labour market, where new knowledge and skills are required, vocational training is a crucial tool, and innovation in training processes and pathways goes hand in hand with the challenges facing the world of production. The pandemic has made corporate training even more crucial and important, both by opening up new potentials for online training and by intercepting new skills and knowledge linked to the challenges of sustainable development and digital innovation: new skills that must be the subject of training and updating for all workers. The project aims to develop innovative practices and tools, including through the use of digital innovations for training, for training processes that take place for the company and in the company, to consolidate the knowledge and skills needed to meet the challenges of climate change and to implement innovation processes.
<b>Mandatory traineeship</b>	6 months
<b>Company name or type</b>	A vocational training centre or a company with an in-house training academy
<b>Mandatory stay abroad</b>	6 months

### n. 2 - GREEN

<b>Thematic area SNSI 2014-20</b>	Smart and sustainable industry, energy and environment
<b>PNR 2021-2027*</b>	Humanistic culture, creativity. Social transformations, inclusive society. Articulation 11. Innovative methods and technologies for social research and education
<b>Project title</b>	<b>Sustainable human development: the work placement of vulnerable persons in a digitization and circular economy's perspective</b>
<b>Project description</b>	One of the current challenges of the Italian labour market is to realize a sustainable business conjugated to the work placement of vulnerable persons, in light of the

	digitization process in progress. The present project aims to develop techniques and tools in order: 1) to attract the interest of Italian social enterprises to the implementation of green activities, promoting a corporate culture more anchored to environmental sustainability's values; 2) to foster the employment of vulnerable persons in green activities and tasks (i.e. recycling; re-use and repair; crafts from waste materials; agriculture "from producer to consumer"; e-commerce), combining the enhancement of human capital with the company's objectives; 3) to evaluate the impact of the work placement of the vulnerable Person in green activities, in terms of perceived well-being; 4) to promote the networking with vocational training centers, fostering the match between supply and demand; 5) to enhance soft skills and digital skills in order to improve a functional use of digital tools within the organization, in the relationship with vulnerable persons and in the share of a corporate culture anchored to environmental sustainability's values.
<b>Mandatory traineeship</b>	6 months
<b>Company type</b>	Social enterprises operating in a sustainable manner
<b>Stay abroad</b>	NO

### n. 3 - GREEN

<b>Thematic area SNSI 2014-20</b>	Tourism, Cultural Heritage and Creativity Industry
<b>PNR 2021-2027*</b>	Humanistic culture, creativity, social transformation, inclusive society
<b>Project title</b>	<b>Children's literature as the cornerstone of an interdisciplinary education to sustainability</b>
<b>Project description</b>	Plants, as the basis of all ecosystems on Earth, represent more than 80% of the planet biomass. The human inability to grasp their presence and importance (plant blindness) has led to the current state of biological vulnerability of the Earth. Children's Literature highlights the ontological relationship of the human being with trees and other living entities and, through metaphors and poetic images, helps the reader become aware of this inescapable interdependence. The research wants to explore the - often radical - perspective of this literature in order to identify an educational and didactic path capable of real change in approaching the issues of sustainability. Aim of the project is to promote expertise in conceiving, planning and realizing publishing products which can be seen as an alternative or integration to traditional textbooks. These products, drawing from the poetic perspective of children's literature, will have to support teachers in sharing knowledge of the natural world with an interdisciplinary approach: one that can bring together cognitive, aesthetic and emotional solicitation, and encourage active, profound, ongoing participation on the part of the child reader. Part of the research to be carried out in the company: 1) Needs analysis of the organization, comprehension of how the environmental sustainability's value are perceived and are implemented in the operating practices; 2) understanding of any obstacles detected in the process of job placement of the vulnerable Person; 3) interventions aimed at strengthening a green-type organizational culture and the work placement of the vulnerable Person in green activities; 4) strengthening of the network work and of the synergy with vocational training centers; 5) co-planning the vulnerable Person's work placement in green activities; 6) evaluation of the perceived well-being of the worker operating green activities and tasks.
<b>Mandatory traineeship</b>	6 months
<b>Company type</b>	Children's Publishing Houses
<b>Stay abroad</b>	NO

### n. 4 - GREEN

<b>Thematic area SNSI 2014-20</b>	Tourism, Cultural Heritage and Creativity Industries: Technologies for Audio-Video Productions, Gaming and Digital Publishing.
<b>PNR 2021-2027*</b>	Humanistic culture, creativity, social transformations, inclusion society. Articulation 11. Innovative methods and technologies for social research and education
<b>Project title</b>	<b>Sustainability Education, Teachers Training and Publishing Industry</b>

<b>Project description</b>	The future scenarios of today's ecological crisis have become common knowledge among the public opinion. On the basis of the growing attention on this topic, the theme gained a central role in political agendas and, as a reflection, in educational contexts, including publishing industry and private agencies dedicated to the training of experts and teachers. Regarding the situation just outlined, recent Italian laws and decrees (92/2019 and 35/2020) introduced Civic education and Sustainability education as a new subject in schools: so, it appears urgent to manage, generally speaking, the absent or the insufficient degree of competences on the topic among the teachers. In particular, the publishing sector specialized in education and in the production of tools, teaching aids and courses (teaching materials, textbooks, MOOCs, on line courses) needs the contribution of pedagogical research to guarantee teaching materials of high quality, to support the teachers. The project aims at training a profile of researcher capable of projecting, implementing and testing tools, teaching aids and courses of the publishing industry, regarding both the contents and the didactic practices, in the field of Sustainability education.
<b>Mandatory traineeship</b>	6 months
<b>Company type</b>	Publishing industries focused on schools and educational products
<b>Stay abroad</b>	6 months

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