

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



UNIONE EUROPEA  
Fondo Sociale Europeo



PROGRAMME'S NAME	LEGAL STUDIES
DURATION	3 years
PROGRAMME START DATE	01/01/2022
LANGUAGE	Italian, English, French, Spanish
COORDINATOR	Prof. Renzo Orlandi ( <a href="mailto:renzo.orlandi@unibo.it">renzo.orlandi@unibo.it</a> )
CURRICULA	N/A
RESEARCH TOPICS	<a href="#">Detailed list at the bottom of the present document</a>
PhD POSITIONS	5
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	Sustainable Corporate Law and Governance – IUS/04 Business Law
	2	PhD Scholarship	Governance for the transition towards sustainable mobility and infrastructures
	3	PhD Scholarship	Religious tourism between technological innovation and full sustainability: innovative solutions for old problems and new challenges
	4	PhD Scholarship	The lever of environmental taxation in the perspective of promoting forms of sustainable development.
	5	PhD Scholarship	The fundamental right to a safe and stable climate between global governance, international courts and domestic judges.

### 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, with special emphasis on the activities to be completed during the first-year course. The proposal must meet the following requirements:

**AFORM Settore Dottorato di ricerca**

Strada Maggiore 45 | 40125 Bologna | Italia | Tel. + 39 051 2094620 | [aform.udottricerca@unibo.it](mailto:aform.udottricerca@unibo.it)

	<ul style="list-style-type: none"> <li>- it <b>cannot exceed 20,000 characters</b>, 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);</li> <li>- it must be written <b>following the template</b> 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.</li> </ul>
<b>SUPPORTING DOCUMENTS</b>	
<b>Publications</b>	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.
<b>Thesis abstract</b>	Abstract of the <b>second cycle degree thesis</b> . Graduands may submit the draft of their thesis (abstracts cannot exceed 5.000 characters, including spaces and formulas, if present. The above figure does not include: title, outline, images such as graphs, diagrams, tables etc. if present)

## 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, Maximum score: 100 points

<b>Qualifications evaluation</b>	Graduation final mark. Graduands shall be evaluated on the basis of the Weighted Average Mark (WAM)	10 points max: <ul style="list-style-type: none"> <li>- 10 points for mark from 110 to Lode</li> <li>- 8 points for mark from 110 to 109 included</li> <li>- 6 points for mark from 105 to 108 included</li> <li>- 4 points for mark from 101 to 104 included</li> <li>- 3 points for mark from 95 to a 100 included</li> </ul>
	Publications (only that related to the topics of the PhD programme will be evaluated):	7 points max: <ul style="list-style-type: none"> <li>- 3 points for any publication on magazines ISI/Scopus and classe A,</li> <li>- 1 point max for abstracts and posters presented during national and international conferences or other publications</li> </ul>
	Thesis abstract of the second cycle degree (coherence between the thesis topic and the research project)	3 points max
<b>Research proposal evaluation</b>	Scientific value and ground-breaking nature of the proposal	20 points max
	Suitability of the project to encourage exchange between research and the productive world	20 points max
	Identification of parameters allowing the measurability of expected results	20 points max
	Adherence of the Project to the objectives of the reference action of PON R&I 2014-20	20 points max

## Research Topics

### n. 1 - GREEN

<b>Thematic area SNSI 2014-20</b>	<b>Smart and sustainable industry, energy and environment</b> <i>Development trajectories:</i> 1. Innovative, highly efficient production processes for industrial sustainability 2. Evolutionary and adaptive production systems for customised production
<b>PNR 2021-2027*</b>	2. Humanistic culture, creativity, social transformation, inclusive society 2.3.1. Humanities, democracy and governance 2.3.3. Humanities, environment and sustainability 2.4.6. Cultural and creative industries for local development and global competitiveness 2.5.3. Inequality and inclusion 2.5.4. New identities and cultural processes 2.5.7. Innovation, ethics and law 2.5.8. Development models, skills and training 4. Digital, industry, aerospace 4.1.2. Sustainable communities 4.3.4. Artificial intelligence for society 4.3.5. Artificial intelligence for the environment and critical infrastructures 4.3.6. Artificial intelligence for industrial production 4.6.3. Resilient industry 4.6.5. Competitive industry 5. Climate, energy, sustainable mobility 5.1.4. Green and clean networks and vehicles 5.3.2. Decarbonisation of industry
<b>Project title</b>	<b>Sustainable Corporate Law and Governance – IUS/04 Business Law</b>
<b>Project description</b>	The relationship between Corporate law, corporate governance and sustainability is extensively discussed both at national and at European level. While the need to steer companies towards sustainable development is commonly recognised, it is uncertain whether changes to company law are necessary or if amendments in other regulatory areas of law could suffice. The research focuses on the relationship between current company law and the implementation of ESG criteria, with reference to shareholder investment strategies, their participation in the management of the company, directors' duties and remuneration. The role of technological innovation in the field of corporate governance will be examined, as well as the financing of listed companies and SMEs and the interactions with tax and administrative law against the backdrop of the European Green Deal. Possible regulatory innovations on sustainability will be studied from the viewpoint of the systematic consistency of business law, in the light of the general principles and historical development of the European legal system.
<b>Mandatory traineeship</b>	6 months
<b>Company type</b>	Financial services, banking, securities investment, insurance.
<b>Stay abroad</b>	6 months

### n. 2 - GREEN

<b>Thematic area SNSI 2014-20</b>	<b>Digital Agenda, Smart Communities, Smart Mobility Systems</b> <i>Development trajectories:</i> 1. Smart Urban Mobility, Systems for logistics and people
<b>PNR 2021-2027*</b>	<b>5.1 Sustainable mobility</b> Section 2. Accessible, environmentally friendly, smart and safe, resilient, efficient mobility infrastructure
<b>Project title</b>	<b>Governance for the transition towards sustainable mobility and infrastructures:</b>
<b>Project description</b>	The study focuses on the legal aspects related to the transition towards new forms of sustainable mobility and of new sustainable infrastructure projects. It evaluates the urban/local/regional context and the regulatory and legal impacts on the new governance models of the public/private actors who are required to ensure an efficient implementation of infrastructure investments in such sector (e.g. reforms of the ministerial structures involved, new roles assumed by figures such as extraordinary

	administrators). The analysis will assess the regulatory approach to sustainable infrastructures and new technologies in the transport sector adopted by the European Commission which, in its Strategy for Sustainable and Intelligent Mobility (Communication from the European Commission of 9 December 2020, COM(2020) 789 final), has set out the necessary actions to be taken in order that each mode of transport may contribute in achieving the objectives of the European Green Deal (COM(2019) 640 final). In such context, the study analyses the regulatory framework of the main important projects regarding the transport infrastructures which are deemed vital to improve sustainable connection between railway, ports and airports and to strengthen the logistics activities in a national context (i.e. Italy) that, even nowadays, shows significant gaps related to connectivity between North and South and between urban and rural areas. Furthermore, such projects have been provided for in the Italian Recovery Plan (Piano Nazionale di Ripresa e Resilienza, PNRR). However, in order to enhance the realisation of the projects related to the transport infrastructures and to improve the sustainability of mobility in all the different areas of the Country, the study also evaluates (i) the reforms in the governance models of the public/private actors that will be involved in the realisation of the major infrastructure works; as well as (ii) the simplification of the legislation on public contracts, environmental protection and urban planning. The study evaluates such aspects taking into account the Italian railway infrastructure projects envisaged in the PNRR and those identified as the most challenging, with respect to which the Italian Government has planned to reform the governance of the Italian railway infrastructure company, by appointing extraordinary administrators and commissioners. After the above described analysis, the study aims to provide some regulatory recommendations regarding the future perspectives of such innovations.
<b>Mandatory traineeship</b>	6 months
<b>Company type</b>	Company operating in the rail transport sector, both in local public transport and in freight transport.
<b>Stay abroad</b>	6 months

### n. 3 - GREEN

<b>Thematic area SNSI 2014-20</b>	<b>Tourism, Cultural Heritage and Creative Industry</b> <i>Development trajectories:</i> <ol style="list-style-type: none"> <li>1. Industry systems and applications for tourism, access to culture, and attractiveness of Made in Italy products</li> <li>2. Technologies and applications for conservation, management and enhancement of cultural, artistic and landscape heritage</li> <li>3. Technologies for advanced design and digital craftsmanship</li> <li>4. Technologies for audio-video productions, gaming and digital publishing</li> </ol>
<b>PNR 2021-2027*</b>	<b>5.2. Humanistic culture, creativity, social transformation, inclusive society</b> <b>5.2.1. Cultural heritage</b> Section 1. Digitisation of protection, conservation and enhancement processes Section 3. Development of technologies to support diffuse and lesser known heritage Section 4. Application of new economic models for sustainability and resilience Section 5. Participatory approach to cultural heritage <b>5.2. Humanistic culture, creativity, social transformation, inclusive society</b> <b>5.2.2. Historical, literary and artistic disciplines</b> Section 2. Interpretation of tangible and intangible cultural heritage Section 3. Humanities, environment and sustainability Section 4. Interpretation of cultural heritage and digital transition <b>5.2. Humanities, creativity, social change, inclusive society</b> <b>5.2.4. Creativity, design and Made in Italy</b> Section 5. Territories and promotion of Made in Italy
<b>Project title</b>	<b>Religious tourism between technological innovation and full sustainability: innovative solutions for old problems and new challenges</b>

<b>Project description</b>	Starting from the stratified legislation on religious tourism (both from the State and religious denominations), the project shall focus on how a more integrated implementation of digital tools and a transition towards full sustainability can be a turning point both in the resolution of long-debated issues, such as – in the first place – the virtuous coexistence between cultural fruition and worship needs, and in facing the most pressing challenges of our time: one of the main of which is the problematic management of an ecclesiastical heritage – also of extraordinary historical-artistic value – that in recent years has been affected by increasingly frequent cases of decommissioning. In this sense, a detailed research on what has been experimented with the digital inventory process of ecclesiastical cultural heritage can represent a starting point for the study and development of models in which the technological contribution allows to achieve unprecedented solutions both from a preventive point of view, with regard to the best conservation of the same heritage, and in view of its more effective enhancement: as could be the case of adapting the methods of virtual tours that are already made available by some of the most prestigious museums in the world to the specific characteristics of the area in question. In such a perspective, it also cannot be ignored the unexpected and apparently irreversible acceleration that was impressed by the experience of the pandemic, which suggests that the potential of such an instrument is still to be explored. Complementarily, the research could therefore develop by examining the fruitful effects of the inclusion of sites of religious interest within interconnected circuits, which – according to the most promising current trends and by combining a thousand year old tradition with innovative formulas – allow to valorize local realities and to promote a conscious fruition by the user, through increasingly immersive channels and forms of tourism and discovery of the territory that are authentically eco-friendly. The course of study would lead to the acquisition of skills that are also valuable in the professional field, thus training specialists who are capable of interacting with the public sector (that is interested in the best enhancement of cultural heritage), with the private one (suffice it to think about the role that can be assumed by the Third sector and in particular by banking foundations as potential investors, subjects that have always been strongly inclined to fund projects of restoration and recovery of cultural heritage which are historically significant for a revival of the territory), as well as with the (often confessional) entities that own or manage the cultural heritage assets themselves, therefore creating virtuous interrelationships. Such specialists would also be able to collaborate in the strategic planning of initiatives and projects that require synergy between different disciplines: with significant repercussions on the approach to the dematerialization that is determined by the current trend towards digitization and on the consequent redefinition of tourist flows, with the advantages that a reduced mobility entails for the environmental impact, provided that the value of cultural heritage is not trivialized by the use of digital technologies.
<b>Mandatory traineeship</b>	6 months
<b>Company type</b>	Third sector organisations and foundations engaged in the protection and enhancement of cultural heritage of religious interest
<b>Stay abroad</b>	6 months

#### n. 4 - GREEN

<b>Thematic area SNSI 2014-20</b>	<b>Smart and sustainable industry, energy and environment</b> <i>Development trajectories:</i>
<b>PNR 2021-2027*</b>	1. Technologies for smart grids, renewable sources and distributed generation
<b>Project title</b>	<b>The lever of environmental taxation in the perspective of promoting forms of sustainable development.</b>
<b>Project description</b>	Environmental protection, sustainable development and the need to push the so-called green economy at a higher level are the objectives that not only have characterized the political choices of the last twenty years, but which are at the heart of the recent recovery European, the so-called EU of New Generation EU. These goals, however,

	cannot be fully achieved without an effective commitment (and use) of the fiscal lever, considering all the levels involved: national, European and international levels. In fact, the fiscal tool represents an indispensable tool to solve problems related to the environment because, thanks to its strong behavioural component, it is able to condition the choices of economic operators and to catalyze them towards a natural sustainable development.
<b>Mandatory traineeship</b>	6 months
<b>Company type</b>	Firms of the environmental-services system
<b>Stay abroad</b>	6 months

## n. 5 - GREEN

<b>Thematic area SNSI 2014-20</b>	<b>Smart and sustainable industry, energy and environment</b> <i>Development trajectories:</i> 1. Innovative, highly efficient production processes for industrial sustainability
<b>PNR 2021-2027*</b>	<b>5.2 Climate change, mitigation and adaptation; research articulation</b> Section 7. Development of strategies and actions for the implementation of climate adaptation interventions
<b>Project title</b>	<b>The fundamental right to a safe and stable climate between global governance, international courts and domestic judges.</b>
<b>Project description</b>	The proposed research consists in the analysis of international agreements on combating climate change, with particular reference to the role of the domestic judge and international courts in assessing the adequacy of national policies for the reduction of greenhouse gas emissions.  The research and analysis carried out must also be aimed at providing economic operators with the relevant international legal framework, also in light of the growing litigation against state and non-state actors regarding climate change. The goal is to promote sustainable investments and practices in line with international standards on the subject, contributing to the consolidation of best practices by private economic actors.
<b>Mandatory traineeship</b>	6 months
<b>Company type</b>	Large manufacturing industries; energy companies; administrations responsible for manufacturing and/or environmental protection
<b>Stay abroad</b>	6 months

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