

**PHD PROGRAMME TABLE**  
**Call for Applications for further PhD positions**  
**funded by Next Generation EU – NRRP ex M.D. 629/2024 and 630/2024**  
**and from other sources - PhD programmes (40th cycle)**  
**A.Y. 2024/2025**

PROGRAMME'S NAME	FUTURE EARTH, CLIMATE CHANGE AND SOCIETAL CHALLENGES
DURATION	3 years
PROGRAMME START DATE	01/11/2024 (DD/MM/YYYY)
LANGUAGES	English
COORDINATOR	Prof. Silvana Di Sabatino ( <a href="mailto:silvana.disabatino@unibo.it">silvana.disabatino@unibo.it</a> )
CURRICULA	<ol style="list-style-type: none"> <li>1. One Health</li> <li>2. The Earth System</li> <li>3. Impacts, Adaptation and Vulnerability</li> <li>4. Technological Innovations for a Decarbonized Society</li> <li>5. Socio-economic and Legal Studies for Mitigation of Climate Change</li> </ol>
PhD POSITIONS	2
ADMISSION PROCEDURE	Qualifications and research proposal evaluation Oral examination

### Available Positions and Scholarships

Pos. n.	Financial Support	Description	Positions linked to research topics
1	<b>PhD Scholarship PNRR ex M.D. 630/2024</b>	Funded by the EU - NextGenerationEU with funds made available by the National Recovery and Resilience Plan (NRRP) Mission 4, Component 2, Investment 3.3 (M.D. 630/2024) and by IRCSS Azienda Ospedaliero - Universitaria di Bologna	Evaluation of micro-climate characteristics of the urban atmosphere in relation to possible health effects in the context of climate change
2	<b>PhD Scholarship PNRR ex M.D. 630/2024</b>	Funded by the EU - NextGenerationEU with funds made available by the National Recovery and Resilience Plan (NRRP) Mission 4, Component 2, Investment 3.3 (M.D. 630/2024) and by Hs Marine srl di Noventa Padovana	Coastal hazard mapping using high-resolution simulations and Machine Learning

All PhD positions winners shall fulfill the learning and research obligations decided by the Academic Board and the obligations foreseen in the relevant regulations, funding schemes and eventual agreements, in the Call for Applications, and in the MM.DD. 629/2024 and 630/2024.

### Admission Exams

	DATE AND TIME	RESULTS
Qualifications evaluation	Applicants' participation is not required	Available from <b>23/08/2024</b>

<b>Oral examination</b>	<b>Date:</b> starting from <b>30/08/2024 – 10.00 a.m. CEST</b> <b>Place:</b> In presence, Department of Physics and Astronomy “Augusto Righi”, Via Irnerio 46, Bologna. Remotely, using Microsoft Teams.	Available from <b>05/09/2024</b>
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The results of the qualifications and research proposal evaluation shall be available on the webpage [Studenti Online](#) (select “summary of the requests in progress” > “see detail” and open the .pdf file at the bottom of the page) together with the oral examination detailed schedule. **No personal written communication will be sent to applicants concerning the examinations results.**

**During the oral examination, applicants may express their interest in one or more positions linked to specific research topics.**

## Required and Supporting Documents to be attached to the application

All the documents listed below **shall be drawn up in English or in Italian**. In case of documents originally issued in any other language (e.g. identity document, qualifications), an official translation is required.

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 PhD Programme.

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, the exams taken and the marks obtained (see Art. 3 of the Call for Applications)
SUPPORTING DOCUMENTS	
<b>Research proposal</b>	<p>Multi-annual research proposal, with special emphasis on the <b>activities to be completed during the first-year course</b>. The proposal must meet the following requirements:</p> <ul style="list-style-type: none"> <li>- it must mention <b>on the cover page the Curriculum and the main research topic/s</b> the applicant is interested to and the proposal is about;</li> <li>- <b>it cannot exceed 20,000 characters</b>, including spaces and formula possibly used. This figure does not include: the title of proposal, the outline, references and images (such as graphs, diagrams, tables, etc. - if present);</li> <li>- <b>it must include</b>: the state of the art; description of the proposal; expected results; articulation of the proposal and implementation times; outline of the proposed findings assessment criteria; references.</li> </ul> <p>The research proposal that successful applicants shall carry out during their PhD career may possibly differ from the one proposed at the application stage. This shall be defined together with the supervisor and approved by the Academic Board.</p>
<b>Thesis abstract</b>	<p>Abstract of the <b>second cycle degree thesis</b>. Graduating applicants may submit the draft of the thesis. Abstracts cannot exceed 5,000 characters, including spaces and formula possibly used. The above figure does not include: the title of the thesis, the outline, references, and images such as graphs, diagrams, tables etc.</p>
<b>Personal statement</b>	This must include the reasons prompting the applicant to attend the PhD Programme and those <b>relevant experiences and research interests</b> , that make the applicant suitable for the specific PhD Programme (3,000 characters maximum, including spaces).
<b>Reference letter/s</b>	<b>No more than 2 reference letters</b> signed by Italian and international academics and professionals in the research field, which do not form part of the Admission Board, attesting the suitability of the applicant and his/her interest in the scientific research. Letters shall be uploaded following the procedure, detailed in the Call for Applications (Art. 3.2).
<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>Other documents</b>	<ul style="list-style-type: none"> <li>- Postgraduate vocational training programmes and/or specialisation programmes relevant to the PhD Programme main research topics</li> <li>- Specialisation thesis</li> </ul>

	<ul style="list-style-type: none"> <li>- Teaching activity carried out at academic level</li> <li>- Research activity of any kind - whether basic, applied, translational, etc. - carried out in any capacity, including when covered by research grants, and as a staff member of research projects</li> <li>- Work activities</li> <li>- Documents attesting the applicant's foreign languages proficiency</li> <li>- Study periods completed by applicants outside their countries of origin (e.g. Erasmus programme or other similar mobility programmes)</li> <li>- Other qualifications attesting the suitability of the applicants (scholarships, prizes, etc.)</li> </ul>
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## Evaluation criteria\*

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

### 1. Qualifications and research proposal evaluation

Minimum score for admission to the oral examination: 30 points, Maximum score: 50 points

Second cycle degree (Master's) final mark. Graduands shall be evaluated according to the Weighted Average Mark (WAM)	9 points max
Thesis abstract	8 points max
Research Proposal	8 points max
Reference letter/s	6 points max
Publications	4 points max
Personal Statement	5 points max
Postgraduate programmes, Teaching and Work activity	4 points max
Foreign languages proficiency and study period abroad	4 points max
Other evaluable documents	2 points max

### 2. Oral examination

Minimum score for eligibility: 30 points, Maximum score 50 points

English language proficiency	5 points max
General knowledge of the PhD programme's main research topics and of the research topics linked to the available PhD positions	45 points max

Oral examination aims to assess the suitability of the applicant for scientific research as well as the general knowledge of the PhD programme's main research topics and of the research topics linked to the available PhD positions. **During the oral examination, the applicant's English language proficiency shall be assessed.**

The oral examination is carried out in Italian or English.

\* Possible further evaluation criteria will be available on the [University website](#), selecting the relevant PhD Programme > "More information".