



UNIONE EUROPEA
Fondo Sociale Europeo



Ministero dell'Università
e della Ricerca



Rector's Decree

Public call for evidence selection for admission to doctoral programmes - XXXVII cycle - A. A. 2021/2022 - D.M. 10 august 2021 n. 1061 - PON 2014-2020 Phd Programs on Green and Innovation issues.

THE RECTOR

HAVING REGARD to the Statute of Autonomy of the University of Calabria;

HAVING REGARD to the General Regulations of the University;

HAVING REGARD to the Teaching Regulations of the University;

HAVING REGARD to the Regulations for Administration and Accounting;

HAVING REGARD to the University Regulations on the PhD Programme of the University of Calabria;

HAVING REGARD to D.R. n. 89 of 26 January 2017 concerning the issue of the additional certification of "Doctor Europæus" ("European Doctorate");

HAVING REGARD to the Decree of the President of the Republic n. 445 of 28 December 2000, "the single text of laws and regulations concerning administrative documentation";

HAVING REGARD TO D. Lgs. n. 196 of 30 June 2003 "Code regarding the protection of personal data";

HAVING REGARD TO Ministerial Decree no. 270 of 22 October 2004 "Amendments to the Regulations concerning the teaching autonomy of universities, approved by Decree of the Ministry of University and Scientific and Technological Research no. 509 of 3 November 1999";

HAVING REGARD to Law No. 240 of 30 December 2010, in particular Art. 19;

HAVING REGARD to the Ministerial Decree no° 45 of 8 February 2013 "Regulation procedures for accrediting universities and PhD courses and the criteria for implementing Doctorate courses by credited institutions";

HAVING REGARD to the General Data Protection Regulation (GDPR) - Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of individuals with regard to the processing of personal data, and the free movement of such data;

HAVING REGARD TO the Ministerial Decree no° 40 of 25 January 2018 with which has been established the annual amount of the grant to attend Ph.D. courses;

HAVING REGARD TO the MUR note concerning the Procedures for the entry, stay and registration of foreign/international students in higher education courses in Italy for the academic year 2021/2022;

HAVING REGARD TO the Rector's Decree no. 514 of 29 March 2021 with which the "Regulations for fees, contributions and exemptions 2021/2022";

HAVING REGARD to the call for public selection for admission to the Phd courses - XXXVII cycle of the University of Calabria, issued with D.R. n. 954 of 7 July 2021 and subsequent additions;

HAVING REGARD to the Ministerial Decree of 10 August 2021 n. 1061 concerning the allocation of the endowment of the PON "Research and Innovation" 2014-2020, with reference to Action IV.4 - and Action IV.5 - "Doctorates on green issues" in favour of those who have active and accredited Phd programmes within the XXXVII cycle;

WHEREAS, in particular, Action IV.4 of the Programme aims to promote research on innovation, digital and enabling technologies and, at the same time, to support the enhancement of human capital, as a

determining factor for the development of research and innovation in Italy, and that Action IV.5, on the other hand, has the objective of enhancing the value of human capital to be engaged in research doctoral courses on themes oriented to the conservation of the ecosystem, biodiversity, reducing the impacts of climate change and promoting sustainable development;

NOTED that, for both Actions, the research activities covered by the additional doctoral grants must be consistent with the lines defined in the SNSI (National Strategy of Intelligent Specialisation) in the PNR (National Plan for Research) and encourage the spread of an open approach to innovation and greater exchange between the world of research and the productive world;

CONSIDERING that, in order to access funding, the University will have to publish an ad hoc Selection Notice, identifying, as part of its autonomy, for which Doctoral Courses accredited for the XXXVII cycle publish the aforementioned Notice, and to improve the selection and award procedure for additional scholarships in the context of the thematic areas;

HAVING REGARD to the Rector's Decree of 16 September 2021, No. 1275 with which an internal notice was issued for the presentation of research projects for the activation of additional doctoral scholarships referred to in DM n. 1061 of 10 August 2021, ratified by the Board of Directors at its meeting of 28 September 2021;

HAVING REGARD TO the Coordinators' notes for the transmission of research projects for additional doctoral grants;

CONSIDERING that the teaching colleges of doctoral courses accredited for the XXXVII cycle have attested the coherence of the proposals submitted to the topics provided for in the ministerial decree n. 1061/2021;

CONSIDERING that, the University of Calabria has been allocated financial resources aimed at supporting doctoral research courses amounting to:

- € 1,625,657.21 for additional doctoral grants on innovation issues (innovation, digital and enabling technologies (Action IV.4 - "Doctorates and research contracts on innovation issues");
- € 1,548,244.99 for additional doctoral grants on Green topics (with particular reference to green transition, ecosystem conservation, biodiversity and the reduction of the impacts of climate change (Action IV.5 - "Doctorates on Green topics"));

CONSIDERING that the financial coverage of the selected grants with the resources of the PON "Research and Innovation" 2014-2020 will be ensured for two of the three years provided and that the resources necessary for the financing of the third year will have to be guaranteed by the beneficiaries assigned the resources from their budget;

WHEREAS whereas the University will ensure the financing of the third annual period of the additional doctoral grants;

NOTING the expressions of interest by companies to host a Phd student at their headquarters and the possible commitment to co-finance the third annual grant;

HAVING REGARD to the deliberations of the Academic Senate and the Board of Directors of 09/10/2021;

HAVING REGARD to Note No. 12025 of 8.9.2021, with which the MUR, taking into account that the admissibility check referred to in Article 3, paragraph 5, of D.M. No. 1061/2021, will be conducted by the Ministry following the loading of the documentation required by Article 3 on the platform, paragraphs 2 and 3 of the Implementing Specification annexed to the D.M. itself, "Recommends that the Universities pay the utmost attention to completing the sending of the requested information by 30 November 2021 at the latest, so that doctoral programmes can be launched by 1 January 2022 (...)"

HAVING REGARD that the award of these additional scholarships must take place by 30 November 2021 and that, therefore, the competition procedure must be carried out as soon as possible;

CONSIDERED therefore necessary to proceed with the issuing of the ad hoc public selection notice for the award of the additional doctoral grants, financed with REACT-EU ESF funds, on Innovation issues (Action IV.4), and on Green issues (Action IV.5), as part of the Doctoral Research Courses with an administrative seat at the University accredited for the XXXVII cycle (a.y. 2021/2022);

HAVING REGARD that the selection of candidates for this selection will be made in relation to the ability of the doctoral path to contribute to the achievement of the objectives and objectives of the Reference Action of the PON "Research and Innovation" 2014-2020, based on the selection criteria approved by the PON Monitoring Committee;

CONSIDERED that, in any case, the actual assignment to candidates of the additional doctoral scholarships will be subject to the successful outcome of the assessment of eligibility for the support of the PON "Research and Innovation" 2014-2020 carried out by the MUR on the basis of the eligibility requirements identified in the document "Criteria for selection of operations from FSE-REACT EU resources" approved by the PON Monitoring Committee;

DECREES

Art. 1 Indiction selection

1. For the foregoing, in implementation of the DM n. 1061 of 10.08.2021, is announced at the University of Calabria public selection for admission to the following doctoral courses of the XXXVII cycle, academic year 2021/2022:

PhD Course	Additional three-year grants XXXVII cycle	
	Innovation theme	Green theme
Information and Communication Technologies	6	3
Civil and Industrial Engineering	5	4
Life Science and Technology	3	4
Mathematics and Computer Sciences	1	2
Translational Medicine	3	1
Politics, Culture and Development	2	1
Science and Engineering of the Environment, Construction and Energy	3	5
Physical, Chemical and Materials Sciences and Technologies	3	5
Economic and Business Sciences	1	0
Total	27	25

2. For the doctoral courses referred to in the previous paragraph are activated the places with scholarship, additional to those, not bound, already provided for the cycle XXXVII with the notice of competition referred to in D.R. 954 of 7 July 2021, with regard to the following issues:

- Themes of innovation, enabling technologies and the broader theme of digital, such as measures to enhance the human capital of the world of research and innovation;
- Green issues (themes geared to ecosystem conservation, biodiversity, as well as reducing the impacts of climate change and promoting sustainable development).

For as reported in Annex A "Analytical Sheets Phd Courses XXXVII cycle - A. A. 2021/2022" which is an integral and substantial part of this call.

3. For each doctoral course referred to in paragraph 1, in Annex A, are then specified the Coordinator, the duration, the proposing Department and any other departments involved, the Disciplinary Scientific Areas of reference, the research topics or curricula of the course, the participation requirements, the admission procedures, the qualifications to be attached to the application, the criteria for the evaluation of the tests, the number of posts covered by scholarships and the subject areas within which the candidate will have to develop his research project, the undertaking in which the beneficiary of the grant is to carry out the compulsory period of study and research and the foreign body in which the mobility period is to be carried out, the information concerning the test log, the possible address for information and the website of the course.

4. The actual activation of each of the posts with additional scholarship referred to in the table in paragraph 1 is subject to verification of the assessment of eligibility for support PON "Research and Innovation" 2014-2020 performed by the MUR and is, Also, subject to the allocation of posts with scholarship from the budget of the University referred to in the notice of competition issued by Rector Decree n. 954 of 07 July 2021. Research doctoral posts with scholarships, despite the positive outcome of the selection of this call, may therefore not be launched.

5. This call will be published on the website of the Ministry of University and Research, on the European site Euraxess and on the portal of the University of Calabria at the following links:

<https://www.unical.it/portale/ateneo/amministrazione/aree/apl/dottorato/> e

https://unical.portaleamministrazionetrasparente.it/pagina874_tc-7_dottorati-di-ricerca.html

is equivalent to a notification to all intents and purposes.

6. Any changes, updates or additions to the content of the notice will be disclosed, exclusively, with the publication on the portal of the University of Calabria at the following links:

<https://www.unical.it/portale/ateneo/amministrazione/aree/apl/dottorato/> and

https://unical.portaleamministrazionetrasparente.it/pagina874_tc-7_dottorati-di-ricerca.html.

Any personal communications to candidates relating to this notice will be made by e-mail. For this purpose, the e-mail address indicated by the candidate in the online application shall be used. The University does not assume any responsibility for the dispersion of communications dependent on inaccurate indications of personal contact details of the candidate or failure or late communication of their change, nor by telematics' problems.

7. The submission of the application for participation through the procedure referred to in art. 4 presupposes the candidate's knowledge of the rules contained in this notice and in the University Regulations in the field of Phd research and the failure to comply with which results in exclusion from the selection.

8. The starting date for additional stock exchange activities shall be 1 January 2021.

Art. 2 Admission requirements

1. They can apply for participation in the selection of admission to the PhD Courses referred to in the previous art. 1, without limitation as to age and nationality, persons with one of the following educational qualifications:

- a. Bachelor's degree old ordering (ex ante D.M. 509/1999);
- b. Master's Degree/Degree (D.M. 509/1999 and D.M. 270/2004);
- c. Degree obtained at foreign universities, legally recognized, declared equivalent or suitable for access to the doctorate in Italy.

For access to the selection of some of the Doctoral Courses, it is necessary to hold specific Master's/ Specialist (or equivalent) degrees, as indicated in Annex A to this call.

2. May also apply for participation in the notice of admission those who will achieve the title required by paragraph 1, by 31 October 2021. Candidates are required to communicate the achievement of the qualification, sending notice to the address dottorati@unical.it. Failure to achieve the title within the deadline will result in exclusion from the ranking of merit.

3. The following shall not apply for participation in the selection procedure:

- are already enrolled in doctoral courses at the University of Calabria;
- have in the past received a research doctoral grant or a fraction thereof;

Art. 3 Degree released by foreign universities

1. Candidates with the qualification obtained abroad must attach to the application for online participation the relative declaration of value on the site.

2. In the absence of such a declaration, the candidates will be admitted to the selection with reservation and will be able to obtain recognition of the qualification, for the sole purpose of admission to the Doctorate, by the Admissions Committees, which will assess the suitability of the title for the sole purpose of enrolment in the doctorate in accordance with the relevant legislation in force in Italy and in the country where the title was issued and the international treaties or agreements on the recognition of qualifications for the continuation of studies.

3. To this end, candidates must attach, to the application, the qualifications obtained, accompanied by translation into Italian or English, also by and under the responsibility of the candidate. In case the course of studies followed by the candidates includes a first and a second university degree (Bachelor + Master Degree), must be attached to the documentation of both titles, with the list of examinations and the duration of course/s.

4. The Admissions Committees will proceed with the assessment of the foreign qualification on the basis of the documentation attached to the application for admission to the competition and therefore may exclude the candidate even if the submitted documentation does not provide sufficient evidence to the evaluation.

Art. 4 Application for admission

1. The application for admission to the selection must be submitted, no later than **23:59 (Italian time) of 25 October 2021**, using exclusively the online procedure available on the page: <https://unical.esse3.cineca.it/>.

2. The telematic procedure provides for the preliminary registration for those who are not in possession of a student matricule of the University of Calabria, in order to obtain the credentials that allow access to the next phase of filling in the application.

3. The application is considered to be submitted correctly only with the completion of the electronic procedure (explicit confirmation (yes) and full admission to the competition) and can no longer be modified online
4. The date of submission of the application shall be certified by the computerised system which, at the end of the deadline for submission, will no longer allow access to and dispatch of the application.
5. No admission fee will be paid.
6. The online admission procedure provides for the upload of the following documents in pdf format:
 - self-certification of access certificate pursuant to Art. 47 D.P.R. 445/2000 (Annex B);
 - Research project, drawn up in accordance with the models attached to this Call (Annexes C - D), of a maximum of 9,000 characters, spaces and bibliography excluded, concerning only one of the topics listed in the specific file of the Phd for which it is intended to compete. Applicants are required to **include in the project the title of the research topic they intend to develop among those listed in the reference information sheet of Annex A of the Call**. For each Phd it is possible to submit only one project for the theme "Innovation" and one project for the theme "Green";
 - a copy, front/back, of a valid identity document;
 - a copy of the Italian tax code;
 - documentation required for the evaluation of candidates with an academic qualification obtained abroad;
 - self-certification examinations taken during the academic career for candidates not yet in possession of the qualification;
 - any additional qualification under assessment, as specified in "Annex A" to this notice.
7. All titles, documents and publications deemed useful for the purposes of the competition procedure must be attached in electronic format. pdf with a maximum size of 20 MB; exceptionally, any documentation that the candidate does not succeed in attaching can be sent by certified e-mail (PEC) to the amministrazione@pec.unical.it or delivered by hand to the Protocol Office of the Central Administration, Via Pietro Bucci cubes 7-11 b, Arcavacata di Rende (CS) on weekdays from 10:00 to 12:00, always in compliance with the deadline of this notice. In addition, candidates who wish to supplement or amend the application or the annexes may submit the application together with the signed application for admission and a photocopy of a valid identity document in the same manner, within the mandatory deadline for expiry of the notice. In the event that the annexes are not received by the deadline and in the manner indicated, will be evaluated only the documents entered with the computerized procedure. The University assumes no responsibility for any telematic problems attributable to third parties.
8. Candidates wishing to participate in more than one admission selection must apply for each selection, each accompanied by the required qualifications.
9. Applications submitted in a manner other than that set out above will not be considered.
10. It is the candidate's responsibility to ensure the correct conclusion of the IT procedure; in this regard, this University declines all responsibility for any malfunctions of the computer system close to the deadline.
11. Any Rector Decrees of exclusion from the selection will be made public on the portal of the University of Calabria at the following links:
<https://www.unical.it/portale/ateneo/amministrazione/aree/apl/dottorato/> and
https://unical.portaleamministrazionetrasparente.it/pagina874_tc-7_dottorati-di-ricerca.html
before the first competition test. No personal communications will be sent. Applicants who are not admitted may request, by submitting a written application to the Rector, the reasons for exclusion. No explanations will be given to requests received in different ways.

12. Candidates with proven disabilities, pursuant to Law No. 104/1992 as supplemented by Law 17/99, may request, in relation to their disability, the necessary aids and any additional time for the completion of the test. Candidates suffering from specific learning disorders in accordance with Law No. 170/2010 in relation to the type of test are granted an additional time equal to 30 percent more than the one defined. Disabled applicants, if they intend to use the aids provided by Law n. 104/1992 as integrated by Law 17/99, will also have to report during the completion of the online application, indicating the type of aid required.

13. All candidates are admitted to the selection subject to verification of the requirements of the notice, which will be carried out pursuant to art. 43 D.P.R. 445/2000. The University may, therefore, at any time order the exclusion of candidates from the selective procedure. The University will also, of its own motion, verify the veracity of the substitute declarations of certification submitted by the candidates: anyone who makes false statements is punished in accordance with the penal code and special laws on the subject.

14. The University reserves the right to take, even after the selection, measures to exclude candidates who do not meet the requirements or who have not complied with the requirements of the notice.

Art. 5 Admissions Committees

The Admissions Committees of the selection for admission to doctoral courses are appointed by the Rector in compliance with the "University Regulations in the field of PhD" of the University of Calabria. The composition of the individual committees will be published on the portal of the University of Calabria at the following links:

<https://www.unical.it/portale/ateneo/amministrazione/area/apl/dottorato/>

and

https://unical.portaleamministrazionetrasparente.it/pagina874_tc-7_dottorati-di-ricerca.html.

Art. 6 Admission tests

- 1.** The selection of candidates takes place through evaluation of the titles and oral exam.
- 2.** The list of each doctoral course contains the points available for each individual test, the award criteria, the minimum thresholds for admission to the next test.
- 3.** The Commission, prior to the evaluation of securities, will have to establish the evaluation and scoring criteria for each individual item (research project, curriculum vitae et studiorum, any certification, any publications, etc.). In the case of candidates who are not yet in possession of a research doctorate qualification, the Commission will have to take into account the self-certified academic career at the time of the application for an appropriate assessment of their training. To support the tests, applicants must present one of the following identity documents: identity card, driver's license, passport or other identity document provided they have an identification photo.
- 4.** In the evaluation of applications and with particular reference to the project proposal submitted by the candidates, the Commissions will also take into account the following criteria, pursuant to art. 3 of D.M. 1061 of 10.08.2021:

A) ADDITIONAL RESEARCH FELLOWSHIPS ON INNOVATION ISSUES (ACTION IV.4)	B) ADDITIONAL GREEN RESEARCH FELLOWSHIPS (ACTION IV.5)
<p>a.a) Relevance of the doctoral pathway project in relation to the ability to create a high added value, in terms of scientific, social and economic impacts on the national territory, fostering appropriate research models and the training of professional profiles in response to the innovation and competitiveness needs expressed by the entrepreneurial system, through the promotion of research on the issues innovation, digital and enabling technologies, supporting the enhancement of human capital, as a determining factor for the development of research and innovation in Italy.</p>	<p>b.a) Relevance of the doctoral pathway project in relation to the ability to create a high added value, through the enhancement of human capital, in terms of scientific, social and economic impacts on the national territory, fostering appropriate models of research and contamination of knowledge and skills to foster the development of innovative products and services with impact reduced on the environment, focusing on themes oriented to ecosystem conservation, biodiversity, and reducing the impacts of climate change and promoting sustainable development, as a contribution to promoting green recovery and overcoming the effects of the crisis in the context of the COVID-19 pandemic.</p>
<p>a.b) Compliance of the Phd program with the SNSI and the PNR, consistency with the L.240/2010 and the DM 45/2013 in the field of doctorates, with the aim of promoting innovation and exchange between the world of research and the productive world and qualification the contribution of research projects in the fields of innovation (L. 240/2010, art. 24, co. 3 and ss.mm.ii.).</p>	<p>b.b) Compliance of the doctoral course project with the SNSI and the PNR, consistency with the L.240/2010 and the DM 45/2013 in the field of doctorates, through the funding of doctorates in the field of Green.</p>
<p>a.c) Measurability of expected results and potential impact of the intervention with reference to the aims of the REACTEU: presence of quantifiable and measurable targets in the Phd programme project consistent with the indicators provided for in the PON reference action.</p>	<p>b.c) Measurability of expected results and potential impact of the intervention with reference to the aims of the REACTEU: presence of quantifiable and measurable targets consistent with the indicators provided by the reference action of the PON</p>

5. The oral exam is public and will be held in the date, time and place or in the online platform mode as indicated for each doctoral course in Annex A and no written communication will be sent to the candidates. Any changes in date, time and location will be communicated by publication of a notice on the website of the course indicated in Annex A and has the value of full notification to candidates.

6. The oral exam includes the verification of the knowledge of one or more foreign languages.

7. To take the oral exam, candidates must show one of the following identity documents: ID card, driver's license, passport or other identity document provided they have an identification photo.

8. Failure to attend the oral exam will be considered as renunciation of selection.

9. Applicants permanently resident abroad can take the "oral test at a distance" using the videoconference tool (e.g.: skype). In this case, they must request it, within the same deadline of the notice, by e-mail to the address dottorati@unical.it, attaching a copy of an identity document and

indicating the course to which you intend to participate electronically. Applicants must ensure the use of a webcam to allow their identification with the Admissions Committees and must be available on the day and time set out in the test log in Annex A. It is up to the Commission to agree with the candidates on a precise timetable for the start of the interview. For the purpose of identification and under penalty of exclusion from the selective procedure, each candidate is required, before the interview begins, to identify himself, showing the same identity document already transmitted as an annex to the e-mail and the online application. Failure to make the connection, the unavailability of the candidate on the date or time set or the failure to present the transmitted identification document shall constitute grounds for exclusion from the selective procedure. The University declines any responsibility for the possibility that technical reasons prevent the smooth conduct of the oral interview.

10. Taking into account the health emergency from Covid 19, the oral test will normally take place in remote mode, without prejudice to the possibility of providing such a test in presence in compliance with the rules aimed at containing the epidemiological emergency, as indicated in Annex A for each course. On the website of each doctoral course, information will be made available for the telematics link and the conduct of selections. No personal communications will be sent to candidates. It is therefore their responsibility to consult the websites of the courses listed in Annex A even near the scheduled dates. Candidates shall be provided with adequate video equipment to enable the Selection Board to identify and display during the test. To access the tests, candidates must present the same identification document attached to the online application. The absence or lack of connection of the candidates on the day or at the time set for the tests, or the failure to show the identification document already sent in annex to the application is considered waiver of participation in the selection. The University assumes no responsibility in case of technical problems that prevent the correct performance of the oral test.

11. At the end of the evaluation, the Commission, based on the scores reported by each candidate, prepares the ranking of merit.

12. Subsequently, the Commission, taking into account the ranking of merit, the number of fellowships in competition, the theme of the research project awards all the places in competition, by theme "Green" or "Innovation". If a candidate is eligible for more than one grant, the Commission will decide on the award.

13. Under existing national legislation, each candidate may not benefit from more than one doctoral grant at the same time.

14. If there are different admission procedures for candidates with degrees obtained abroad in the schedule of a doctoral course referred to in Annex A, the Commission shall draw up separate rankings.

15. For the assignment of the places with scholarship, in case of equal score in the overall ranking of merit, the assessment of the economic situation prevails.

16. The President of the Admissions Committees transmits the documents relating to the competition procedure to the Rector.

17. Candidates are granted access to the documentation of the competition procedure, in accordance with current legislation.

Art. 7 Admission to doctoral courses

1. The Rector approves the acts of the selections and decrees the ranking of merit for the admission of candidates.

2. The ranking of merit will be made known by publication on the portal of the University of Calabria to the following link:

<https://www.unical.it/portale/ateneo/amministrazione/aree/apl/dottorato/> and

https://unical.portaleamministrazionetrasparente.it/pagina874_tc-7_dottorati-di-ricerca.html.

3. Candidates will therefore not receive any personal communication.
4. Candidates shall be admitted to the courses in accordance with the ranking list drawn up by the Admissions Committees until all the candidates have competed for each doctorate. In correspondence of any waivers of the right holders before the beginning of the course will succeed as many candidates according to the order of the ranking drawn up by the committee, always in compliance with research issues. In case of useful placement in more than one ranking, the candidate will have to exercise the option for a single doctoral course.
5. Candidates will be declared winners and admitted to the "sub condizione" courses. This status will remain until the end of the verification of eligibility for funding from REACT-EU ESF resources, PON "Research and Innovation" 2014-2020, carried out by the MUR. This verification will cover each of the Phd programmes announced with this notice. Should the above verification procedure fail, the additional stock exchange will not be financed and timely notification will be given to the interested party.

Art. 8 Enrollment to PhD Courses

1. The winners must register using the procedure available at <https://unical.esse3.cineca.it/> within the terms indicated at the same time as the publication of the Rector's Decree approving the acts of the selections. Failure to complete registration will result in forfeiture of the right to admission to the doctoral course.
2. For the acceptance of the PON R&I 2014-2020, the additional grant winners must necessarily declare that:
 - a) formally undertake to carry out the planned research periods (minimum 6 months, maximum 12 months) in the company and abroad, at the same time certifying that it is aware that failure to comply with the minimum period in the company and abroad will result in the withdrawal and return of the scholarship;
 - b) are aware that the modification of the objectives of the project and the expected results (if not previously authorised by the MUR) will result in the withdrawal of the scholarship and the total refund of any amounts already paid;
 - c) are aware that any negative judgment of the Board of Professors and the consequent non-admission to the following year of the doctoral course will result in the withdrawal of the amounts already paid for the current year and that failure to achieve the title will result in the revocation the amounts already disbursed for the last year of the course;
 - d) do not benefit at the time of other scholarships in any capacity awarded and undertake, for the duration of the additional scholarship, not to benefit from other scholarships in any capacity awarded, except for those eligible under existing national law;
 - e) are aware of the possibility of forfeiture from the research doctoral post in the event that the related funding proposal is not declared eligible by the MUR;

Requests for registration made in a manner different from that indicated in this article or at a later date than that indicated in the Rector's Decree referred to in paragraph 1 above will not be considered. Requests for registration will not be considered registration without payment of the fee due. The University of Calabria assumes no responsibility for any delays due to third parties, unforeseeable circumstances or force majeure.

3. Applications will not be considered for registration made in a manner different from those indicated in this article or later than that indicated in the Rector's Decree referred to in paragraph 1 above. Equally will

not be considered questions without the payment of the fee for the attendance of doctoral courses.

4. The amount of fees for the attendance of doctoral courses, charged to all doctoral students, is inclusive of the regional fee for the right to study, stamp duty and insurance premium pursuant to the "Regulations fees, contributions and exemptions 2021/2022" to which reference is made.
5. In the event that a scholarship is declared ineligible for funding following verification by the competent ministerial office, the candidate in the post corresponding to that scholarship will be declared forfeited. The candidate will be entitled to a refund of the study fee paid.
6. There are no positions not covered by scholarships.
7. Candidates who have obtained their diploma abroad must deliver a copy of the residence permit and the qualifications translated, legalized and equipped with "Declaration of value on site" issued by the competent Italian diplomatic missions in the country in which the titles are obtained. For qualifications obtained in a European Union country, as an alternative to the Declaration of Value, the Diploma Supplement may be presented in original or in certified copy (in English) issued by the university that issued it. If the "Declaration of Value" submitted by the candidate attests the non-validity of the title in the country of achievement for registration for a course similar to the Doctorate, the person concerned will be disqualified from the Doctoral Course.
8. It is forbidden to enrol simultaneously in another course of study that issues an academic title, even from another Italian or foreign university, except for medical specialization courses according to current legislation.
9. In the event of the resignation of the persons entitled, the vacant posts are assigned to those who hold a useful position in the ranking of merit, with convocation by e-mail.
10. The University reserves the right to carry out appropriate checks on the veracity of the content of the declarations of the winner. If the content of the statements is not true, the winner shall forfeit the consequential benefits from the order issued based on the untrue statement.

Art. 9 Scholarships

1. The amount of the doctoral grant is € 15,343.28 per year gross of the social security costs borne by the scholarship holder. The PhD grant is exempt from payment of local personal income tax (IRPEF) and is subject to payment of separately managed INPS social security contributions, two-thirds to be borne by the University and one-third by the grant holder. The PhD students enjoy the protection and related rights. Scholarship holders will have to register for the separate management of INPS.
2. The total annual gross personal income limit to be eligible for the Phd grant is €15,000.00. The determination of this income shall be based on income derived from assets and on emoluments of any other kind, including occasional payments. Income refers to the tax period for the calendar year of the highest use of the scholarship (for the academic year 2021/2022 the year 2022). Exceeding the income limit, in one of the academic years in which the grant was awarded, results in the loss of the right to the grant for the year in which the income event incompatible with the grant occurred. In this case there will be an obligation to return any monthly payments already received during the academic year. The amount of the PhD grant is increased by 50%, for a total period not exceeding 18 months, if the PhD student is authorized by the Faculty to carry out research activities abroad after the invitation of the foreign institution. The PhD student is required to apply for an original certificate from the foreign institution where the study stay takes place indicating the exact period of stay, under penalty of returning what received.
3. The disbursement of the scholarship is normally carried out with a monthly deferred instalment.

4. It lasts three years and is renewed annually for the duration of the course, provided that the student has completed the activities planned in the previous year and has been admitted by the Board of Professors the following year.
5. Doctoral grants may not be combined with research grants or other scholarships in any capacity awarded except those awarded by national or foreign institutions which are useful for supplementing training or research activities with stays abroad.
6. The amount of the Phd grant is increased by 50%, for a total period not exceeding 18 months, if the Phd student is authorized by the Faculty to carry out research activities abroad after the invitation of the foreign institution. The Phd student is required to apply for an original certificate from the foreign institution where the study stay takes place indicating the exact period of stay, under penalty of returning what received.
7. The Phd student is obliged to return, even in case of renunciation of the course, the scholarship fees already received in case he exceeds the income limit, referred to in paragraph 2 above, or is in one of the cases provided for by current legislation and the Regulations on Phd research and the PON Implementation Disciplinary "Research and Innovation" 2014-2020.
8. Those who have received a scholarship for a doctoral course, even partially, may not participate in this call.
9. The payment of scholarships to the successful candidates of the selection will be made from the moment of confirmation of eligibility for funding of the training course by the competent ministerial office in charge of the management of the funds for the said scholarships.
10. In the cases of revocation of the stock exchange, provided by the Disciplinary annexed to D.M. n. 1061/2021, and in particular in the cases of:
 - implementation of the doctoral course in a way different from the project eligible for funding, where it has not been previously requested and subsequently granted the necessary authorisation by the MUR;
 - failure to complete the doctoral course (three years) of the minimum period of study and research in the company and the minimum foreign period (the latter to be carried out by 31 December 2023); the possible negative judgement of the Board of Professors and the consequent non-admission to the following year of the doctoral course;
 - renunciation of doctorate

Art. 10 Rights and obligations of PhD students

1. Admission to the doctorate involves an exclusive and full-time commitment. Students enrolled in Phd courses have the obligation of attending and carrying out all the study and research activities within the framework of the structure of affection in the manner provided by the Board of Professors, to which, at the end of each year of course, they must submit a report on their research activities.
2. Suspension from the course is allowed for duly documented periods, relating to the following cases: maternity and sickness. Once the cause of absence has ceased, the PhD student will have to recover the months of suspension of study and research activities.
3. The PhD students, as an integral part of the training project, may carry out, subject to approval by the Faculty and without this involving any increase in the scholarship, tutoring activities of the students of the degree courses and Master's degree, and in any case within the maximum limit of forty hours in each academic year, additional teaching activity.

4. Starting from the second year, each PhD student is guaranteed a budget for research in Italy and abroad of no less than 10% of the cost of the Ministerial grant. This budget can be used by the student to cover expenses relevant to his research activity in Italy and abroad. The budget fee is transferred for the second year to the department of affection of the Phd student, as indicated by the Faculty of the course. While for the third year the fee has already been made available by the Department to which the Phd students will be attached. For the use of the budget the Phd student will have to refer to the financial office of his department of affection.
5. In accordance with the D.M. n. 1061 of 10.08.2021, the acceptance of the scholarships subject to this invitation to tender requires the carrying out of periods of study and research in the company from a minimum of six (6) months to a maximum of twelve (12) months.
6. For all grants, compulsory periods of study and research abroad are also provided for from a minimum of six (6) months to a maximum of twelve (12) months to be carried out by 31 December 2023 at the latest.
7. The candidate/a, since the submission of the application, is aware of the need to carry out, in case of assignment of the post, the planned research periods in the company and abroad (minimum 6 months, maximum 12) and that failure to comply with the minimum period in the company and abroad will result in the withdrawal of the scholarship.
8. The Phd students are required to periodically check the section of the portal of the University of Calabria dedicated to the doctorate

Art. 11 Final examination and qualification

1. The title of Doctor of Research ("Dr. Ric. or Ph.D.") is awarded by the Rector of the University of Calabria at the end of the course following the public discussion, before a commission appointed by the Rector himself, a research thesis that contributes to the advancement of knowledge or methodologies in the chosen field of investigation, as required by the University Regulations in the field of Phd.
2. In accordance with the provisions of the Rector's Decree no. 89/2017 mentioned in the foreword, if the requirements established by the EUA are met, the Phd student who requests it, will be awarded the additional certification of Doctor Europæus.

Art. 12 Property of results

1. Intellectual property rights in respect of possible results achieved by the PhD student, including, but not limited to, software, patentable or otherwise industrial inventions, know-how, models, data and data collections, are regulated in accordance with current legislation, the University Regulations and according to what is established in the individual agreements with the Universities, Companies or Entities involved.
2. The PhD student has the obligation to communicate without delay to the Coordinator the achievement of the results, committing himself not to divulge them and not to use them without the prior authorization of the University. In the event that the PhD student cooperates in research groups, he may be invited to sign a special commitment to the recognition of intellectual property rights and confidentiality in relation to information, data and documents of a confidential nature which should come to your knowledge in the performance of your activity at and/or on behalf of the University.

Art. 13 Processing of personal data

1. In accordance to art. 13, of the General Data Protection Regulation (Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016), inform candidates that the processing of personal data provided by them during participation in the selection or in any case acquired for this purpose by the University of Calabria is aimed solely at the performance of the competition activities and

will be carried out by persons in charge of insolvency proceedings, also by the examining board, at the University of Calabria, with the use of procedures also computerized, in the ways and to the extent necessary to pursue the aforementioned purposes, even in case of possible communication to third parties. The provision of such data is necessary to verify the participation requirements and the possession of securities and their failure to indicate them may preclude such verification.

The data collected by the University of Calabria, for the aforementioned purposes, will be processed through an automated database even after the conclusion of the selection procedure for the purposes of managing the academic career of the winners. They may also be used, in aggregate form and for statistical purposes, by the MUR.

2. The personal data provided by the candidates will be communicated to the administrative structures of the University of Calabria and to the public bodies directly interested in the legal and economic position of the successful candidates.

3. Candidates shall be granted the rights referred to in Articles. 15 and ff. of the aforementioned Regulation 2016/679, in particular, the right to access their personal data, to request its rectification, cancellation, restriction of processing, as well as to oppose their processing, by addressing requests to the University of Calabria.

Data subjects who consider that the processing of personal data relating to them takes place in violation of the provisions of the Regulation have the right to lodge a complaint with the Guarantor for the protection of personal data, as provided for by art. 77 of the Regulation itself, or to refer to the appropriate courts (art. 79 of the Regulation).

4. All documentation and information related to the protection of personal data of the University of Calabria are available at the following link: <http://www.unical.it/portale/ateneo/privacy/>.

5. The data controller is the University of Calabria, via Pietro Bucci, 87036 Arcavacata di Rende (CS), tel. (+39) 0984 4911.

6. The contact details of the Data Protection Officer (RDP) are: via Pietro Bucci, Cubo 7/11, 87036 Arcavacata DI Rende (CS), email: rpd@unical.it.

Art. 14 Officer in charge of the administrative procedure

In accordance to Law no. 241 of 7 August 1990, the officer in charge of the administrative procedure is the Head of the Phd Research Department of the Post graduate Area - University of Calabria (e-mail: dottorati@unical.it).

Art. 15 Final regulations

1. For what is not explicitly specified in this notice, the provisions of the current legislation on the subject and the University of Calabria University Regulations in the field of PhD research of the University of Calabria apply.

2. This selection notice is translated into English but in case of disputes the reference legal text will be the one in Italian.

THE RECTOR
Nicola Leone

ANNEX A
PON CALL "RESEARCH AND INNOVATION" 2014 - 2020
"ANALYTICAL DATA SHEETS RESEARCH DOCTORAL COURSES - XXXVII CYCLE - A. A.
2021/2022"

N.	PhD Course	Coordinator	Available positions	
			Additional grants Action IV.4 "Innovation"	Additional grants Action IV.5 "Green"
1	Information and Communication Technologies	Prof. Giancarlo Fortino	6	3
2	Civil and Industrial Engineering	Prof. Enrico Conte	5	4
3	Life Science and Technology	Prof. Tommaso Angelone	3	4
4	Mathematics and Computer Sciences	Prof. Gianluigi Greco	1	2
5	Translational Medicine	Prof.ssa Stefania Catalano	3	1
6	Politics, Culture and Development	Prof. Alberto Ventura	2	1
7	Economic and Business Sciences	Prof. Fabio Giovanni Lamantia	1	0
8	Science and Engineering of the Environment, Construction and Energy	Prof. Salvatore Critelli	3	5
9	Physical, Chemical and Materials Sciences and Technologies	Prof.ssa Gabriella Cipparrone	3	5

PhD Course in INFORMATION AND COMMUNICATION TECHNOLOGIES

Coordinator	Prof. Giancarlo Fortino – Department of Computer Science, Modeling, Electronics and Systems Engineering - DIMES – Via Pietro Bucci, Arcavacata di Rende (CS) – Phone: +390984.494063 – E-mail: g.fortino@unical.it		
Duration	3 years		
Main Department	Department of Computer Science, Modeling, Electronics and Systems Engineering – DIMES		
Subject areas	Electronics, Electromagnetic Fields, Telecommunications, Automatic Control, Computer Science, Electrical and Electronic Measurements, Principles of Chemical Engineering, Numerical Analysis, Operations Research, Sciences of the book and document, Electrical engineering, Private law.		
Additional grant themes on Innovation	Title	Months in Business	Months Foreign
	1) Multi-Beam Antennas for Satellite Applications.	6	6
	2) Multidimensional Big Data Analytics per l'Estrazione e l'Analisi di Conoscenza da Big Web Knowledge Bases	6	6
	3) Distributed Control and Supervision Techniques for Formation of Autonomous Marine Vehicles	6	9
	4) Data Imputation for Incomplete Data	6	12
	5) Smart, Secure, Scalable and low-power Multi-access Systems on Next-Generation Networks	9	6
	6) Design of Lab-on-chip	6	6
Additional grant themes on Green	Title	Months in Business	Months Foreign
	1) Resilient Sensor Networks for Monitoring Submarine Environment	6	9
	2) Physics-Mathematics Modelling of the Process of Drying of Pasta	6	6
	3) Smart Techniques for Robot-Buildings that Think	6	12
Partecipation requirements	<ul style="list-style-type: none"> - Italian university Master's Degree (Laurea ante DM 509/ 1999, Laurea Specialistica/Magistrale ex DM 509/1999 and DM 270/2004). - Equivalent Degree awarded by an accredited foreign university. 		
Admission procedures	Qualification assessment and oral examination. The knowledge of the english language will be assessed during the oral examination.		
Assessable qualification	<ul style="list-style-type: none"> - Research project; - Curriculum vitae, including a copy of Bachelor's and Master's Degree (in italian or english), and the list of examinations taken with grades and final mark. 		
Assessment criteria	Total maximum score 60		
	Qualification assessment		Maximum score 30
	Research project	Maximum score 10	
	Curriculum vitae	Maximum score 20	
	Oral examination		Maximum score 30 punti

	Discussion on the proposed research project, on general knowledge of issues related to innovation and green issues and on the disciplines of interest for the doctorate. Foreign candidates can take the exam via skype.		
	Minimum score required for the admission to the oral admission and for the oral examination: 21 pt		
Positions	Additional grants Action IV.4 "Innovation"	6	
	Additional bags Action IV.5 "Green"	3	
Agenda	Description	Date	Time
	Publication results of qualification assessment	05 November, 2021	
	Oral examination	08 November, 2021	10.30 am CEST
	The results of the exam will be posted on the PhD website: http://dottorato.dimes.unical.it/		
Information	g.fortino@unical.it		
PhD website	http://dottorato.dimes.unical.it/		

PhD Course in Civil and Industrial Engineering

Coordinator	Prof. Enrico Conte – Department of Civil Engineering – Via Pietro Bucci, Cubo 44B - Arcavacata di Rende (CS) – Tel.: 0984.496524 – e-mail: enrico.conte@unical.it – SSD: ICAR/07		
Duration	3 years		
Proposer Department	Department of Mechanical, Energy and Management Engineering		
Other Department Involved	Department of Civil Engineering Department of Informatics, Modeling, Electronics and System Engineering Department of Environmental		
Scientific Areas	ICAR/01, ICAR/02, ICAR/04, ICAR/05, ICAR/07, ICAR/09, ICAR/10, ICAR/14 ICAR/17, ICAR/20, ICAR/22, ING-IND/08, ING-IND/09, ING-IND/10, ING-IND/11, ING-IND/13, ING-IND/14, ING-IND/15, ING-IND/16, ING-IND/17, ING-IND/22, ING-IND/24, ING-IND/35.		
Additional grant themes on Innovation	Title	Months in Business	Months Foreign
	1. Artificial Intelligence techniques for sustainable mobility	6	6
	2. Smart Operators 4.0 and Human Robot Collaboration	6	6
	3. Design of soft robots with smart actuations for biomedical applications	6	6
	4. Intelligent technologies for optimised manufacturing	12	6
	5. Ontologies, interoperability and standards for data and information management in Digital Twins and Industry 4.0	12	6
Additional grant themes on Green	Title	Months in Business	Months Foreign
	1. Sustainable development of cement mixtures through the reuse of cellulose sludge in masonry / reinforced concrete / road substrates.	6	6
	2. The NBS solutions to encourage the water resources sustainable transition in urban environment	6	6
	3. HighTechShip	12	6
	4. Green Technology for biomass gasification: a modelling and experimental study	7	10
Participation Requirements	<p>– Master of Science (ex DM 270/204): LM-3 Landscaping, LM-4 Architecture and construction-architecture engineering, LM-4 c.u. Architecture and construction-architecture engineering (five years), LM-20 Aerospace and aeronautical engineering, LM-21 Biomedical engineering, LM-22 Chemical engineering LM-23 Civil Engineering, LM-26 Safety Engineering, LM-28 Electrical Engineering, LM-30 Energy and Nuclear Engineering, LM-31 Management Engineering, LM-32 Computer engineering, LM-33 Mechanical Engineering, LM-35 Engineering for the Environment and Territory;</p> <p>– Master Degree (ex DM 509/1999): 3/S (Master in Landscaping), 4/S (Master in Architecture and construction-architecture engineering), 25/S (Master in Aerospace and aeronautical engineering), 26/S (Master in Biomedical engineering), 27/S (Master</p>		

	in Chemical engineering), 28/S (Master in Civil Engineering), 31/S (Master in Electrical Engineering), 33/S (Master in Energy and Nuclear Engineering), 34/S (Master in Management Engineering), 35/S (Computer Engineering), 36/S (Master in Mechanical Engineering), 38/S (Master in Engineering for the Environment and Territory); – Diploma Degree (ante DM 509/1999) equivalent to the aforementioned Master of Science and Master Degrees according to DM 09/07/2009; – Graduate Degree or equivalent to one of the above mentioned Titles awarded by foreign universities legally recognized.			
Admission procedure	Evaluation of qualifications and oral exam.			
Qualifications and document evaluable	<ul style="list-style-type: none"> – Curriculum vitae et studiorum (CV) along with the Master Degree certificate containing the exams taken and the associated scores; for the MSc students who are getting their degree, it is required to provide a certificate containing the exams taken and the associated scores; – Research project proposed by the candidate; – Any publications related to the PhD themes; – Any Master Research Fellowships & Grants related to the PhD themes. 			
Evaluation Criteria	Maximum score 60 points			
	Evaluation of qualifications			Maximum score 30 points
	Research Project			Maximum score 15 points
	CV along with the Master Degree certificate containing the exams taken and the associated scores; for the MSc students who are getting their degree it is required to provide a certificate containing the exams taken and the associated scores			Maximum score 9 points
	Publications related to the Ph D topics			Maximum score 3 points
	Master, Research Fellowships & Grants related to the PhD topics			Maximum score 3 points
	Oral Exam Examination procedures: Discussion of the proposed research project, general knowledge of issues related to innovation and green issues and the scientific and professional experiences gained. In addition, the knowledge of the English language will be assessed through the comment and/or translation of a scientific article.			Maximum score 30 points
	The minimum score required for accessing the oral exam and for passing it is 21 points.			
Positions	Additional grants Action IV.4 "Innovation"		5	
	Additional grants Action IV.5 "Green"		4	
Diary of the Examinations	Exam	Date	Hour	Location
	Publication results of qualification assessment	November 05, 2021		
	Oral Exam	November 08, 2021	9:30 a.m. CEST	Microsoft Teams

	The results will be published on the PhD website at: dici.unical.it
Information	enrico.conte@unical.it , domenico.mundo@unical.it
Website of the course	dici.unical.it

Phd Course in Life Science and Techonology

Coordinator	Prof. Tommaso Angelone, Dipartimento di Biologia, Ecologia e Scienze della Terra (DiBEST), Via Pietro Bucci, Cubo 6/C, Tel.: +39 0984/492902, e-mail: tommaso.angelone@unical.it - SSD: BIO/09.		
Duration	3 anni		
Main Department	Department of Biology, Ecology and Earth Sciences (DiBEST)		
Subject Areas	BIO/01, BIO/02, BIO/05, BIO/06, BIO/09, BIO/10, BIO/11, BIO/15, BIO/16, BIO/18, CHIM/02, CHIM/06, CHIM/08, CHIM/09, ICAR/03, ING-IND/24, MAT/09, MED/04, GEO/01		
Additional grant themes on Innovation	Title	Months in Business	Months Foreign
	1) Targeting systems for the treatment of infectious diseases	6	6
	2) Marine Diatoms as a source of bioactive compounds: bioprospecting and optimization of cultivation and cryopreservation techniques	6	6
	3) Smart Green Packaging from vegetal residual, based on nanocomposite bio sensor with selective membrane for CO2 detection	6	6
Additional grant themes on Green	Title	Months in Business	Months Foreign
	1) Study of systems structured with dietary fiber from by-products of citrus fruit processing	9	6
	2) Biodiversity and sustainable agriculture in Calabria, southern Italy	12	6
	3) Environmental monitoring systems aimed at setting up diagnostic protocols for human health	6	6
	4) Monitoring grassland ecosystems under grazing pressure through multi-scale image analysis	6	6
Participation Requirements	<p>Italian Master's Degree (DM 270/04): LM-6 Biologia; LM-7 Biotecnologie Agrarie; LM-8 Biotecnologie Industriali; LM-9 Biotecnologie Mediche, Veterinarie e Farmaceutiche; LM-11 Scienze per la conservazione dei beni culturali; LM-13 Farmacia e farmacia industriale; LM-17 Fisica, LM-18 Informatica, LM-21 Ingegneria Biomedica; LM-22 Ingegneria Chimica; LM-23 Ingegneria civile, LM-30 Ingegneria energetica e nucleare, LM-31 Ingegneria gestionale, LM-32 Ingegneria Informatica; LM-33 Ingegneria Meccanica; LM-35 Ingegneria per l'Ambiente ed il Territorio; LM-40 Matematica; LM-41 Medicina e Chirurgia; LM-42 Medicina Veterinaria; LM-44 Modellistica matematico-fisica per l'ingegneria, LM-53 Scienza e ingegneria dei materiali, LM-54 Scienze Chimiche; LM-60 Scienze della Natura; LM-61 Scienze della Nutrizione; LM-69 Scienze e tecnologie agrarie; LM-70 Scienze e tecnologie alimentari; LM-74 Scienze e tecnologie geologiche, LM-75 Scienze e tecnologie per l'ambiente ed il territorio; LM-79 Scienze geofisiche; LM-82 Scienze statistiche; LM-86 Scienze zootecniche e tecnologie animali.</p> <p>- Italian Specialist Degree (ex DM 509/99): 3/S(specialistiche in architettura del paesaggio); 6/S (specialistiche in biologia); 7/S (specialistiche in biotecnologie agrarie); 8/S (specialistiche in biotecnologie industriali), 9/S (specialistiche in biotecnologie mediche, veterinarie e farmaceutiche); 12/S (specialistiche in conservazione e restauro del patrimonio storico-artistico), 14/S (specialistiche in farmacia e farmacia industriale), 20/S (specialistiche in fisica), 23/S (specialistiche in informatica), 26/S (specialistiche in ingegneria biomedica), 27/S (specialistiche in ingegneria chimica), 28/S (specialistiche in ingegneria civile), 33/S (specialistiche in ingegneria energetica e nucleare), 34/S (specialistiche in ingegneria gestionale), 36/S (specialistiche in ingegneria meccanica), 38/S (specialistiche in ingegneria per l'ambiente e il territorio), 45/S (specialistiche in matematica), 46/S (specialistiche in medicina e chirurgia), 47/S (specialistiche in medicina veterinaria), 50/S (specialistiche in modellistica matematico-</p>		

	<p>fisica per l'ingegneria), 61/S (specialistiche in scienza e ingegneria dei materiali), 62/S (specialistiche in scienze chimiche), 68/S (specialistiche in scienze della natura), 69/S (specialistiche in scienze della nutrizione umana), 74/S (specialistiche in scienze e gestione delle risorse rurali e forestali), 77/S (specialistiche in scienze e tecnologie agrarie), 78/S (specialistiche in scienze e tecnologie agroalimentari), 81/S (specialistiche in scienze e tecnologie della chimica industriale), 82/S (specialistiche in scienze e tecnologie per l'ambiente e il territorio), 85/S (specialistiche in scienze geofisiche), 86/S (specialistiche in scienze geologiche), 92/S (specialistiche in statistica per la ricerca sperimentale)</p> <p>-Italian Degree (ante DM 509/99) or equivalent to Master degree above listed. -Academic degrees obtained abroad equivalent to Master degree above listed.</p>			
Admission Procedures	<p>Evaluation of qualifications and oral examination. The knowledge of the English Language will be assessed during the oral examination.</p>			
Assessable qualification	<p>- Research Project - Curriculum Vitae et Studiorum (CV) - Any other qualifications (publications, participation in conferences).</p>			
Assessment criteria	TOTAL SCORE 60/60			
	Evaluation of qualifications		Total score 30/30	
	Research Project		Total Score: 20	
	CV		Total Score: 5	
	Other qualifications: Publications, Participation at scientific meetings		Total Score: 5	
	Oral Examination The oral examination will focus on the discussion of research project, curriculum vitae and other qualifications. Candidate's skills will be evaluated to verify its abilities to carry out the proposed project and the general knowledge of issues related to innovation and green issues. For foreign candidates there will be the possibility to be examined by using a skype connection		Total Score: 30	
Minimum Score required for the admission to the oral examination: 21 point.				
Positions	Additional grants Action IV.4 "Innovation"		3	
	Additional grants Action IV.5 "Green"		4	
Agenda	Description	When	Time	Where
	Publication results of qualification assessment	November 5, 2021		
	Oral Examination	November 8, 2021	09:00 a.m. CEST	Microsoft Teams
The results of the tests will be published at the web address: http://www.dibest.unical.it and on the bulletin board of the Covello room of DiBEST.				
Information	<p>Coordinator: Prof. Tommaso Angelone, Dipartimento di Biologia, Ecologia e Scienze della Terra (DiBEST), Tel.: +39 0984/492902, e-mail: tommaso.angelone@unical.it</p>			
Phd website	<p>https://www.unical.it/portale/strutture/dipartimenti_240/dibest/ricerca/dottorati/lifescience/</p>			

Doctorate in Mathematics and Computer Science

Coordinator	Prof. Gianluigi GRECO – Dipartimento di Matematica e Informatica – Via Pietro Bucci - Cubo 30/B, Arcavacata di Rende (CS) Tel.: +39 0984.496429 – E-mail: gianluigi.greco@unical.it		
Duration	3 years		
Main Department	Department of Mathematics and Computer Science		
Other Department Involved	Department of Mechanical, Energy and Management Engineering		
Subject Areas	Computer Science, Algebra, Geometry, Complementary Mathematics, Mathematical Analysis, Probability and Statistics, Mathematical Physics, Numerical Analysis, Operations Research		
Additional grant themes on Innovation	Title	Months in Business	Months Foreign
	1) Territory Digital Twin	6	6
Additional grant themes on Green	Title	Months in Business	Months Foreign
	1) Computer Science applied to Environmental Systems Correlations	6	6
	2) Artificial Intelligence for water network control optimisation	6	6
Participation Requirements	Italian Specialist/Master's Degree (ex DM 509/1999 e DM 270/2004) or equivalent Degree awarded by an accredited foreign university or Italian University Degree (ante DM 509/1999).		
Admission Procedures	Evaluation of qualifications and oral examination. The knowledge of the English Language will be assessed during the oral examination.		
Assessable qualification	- Research Project - Curriculum Vitae et Studiorum (CV), including a copy of Bachelor's and Master's Degree (in Italian or English), and the list of examinations taken with grades and final mark (download the template from www.mat.unical.it/phd/Admission) An additional copy of above-mentioned documents has to send to the following e-mail address: marilena.lovioi@unical.it with the object "PhD Admission XXXVII cycle".		
Assessment criteria	Total Score 90/90		
	Assessable Qualification	Total Score 30/30	
	Research Project	Total Score 6	
	Curriculum vitae et studiorum	Total Score 24	
	Oral Examination Operating methods: discussion about the project, general knowledge of issues related to innovation and green issues. Interview on the disciplines of interest for the doctorate. Foreign candidates can take the exam via skype.	Total Score 30/30	
Minimum Score required for the admission to the next tests and for the oral examination: score 21/30 .			

Positions	Additional grants Action IV.4 "Innovation"		1	
	Additional grants Action IV.5 "Green"		2	
Agenda	Description	When	Time	Where
	Publication results of qualification assessment	November 5, 2021		
	Oral Examination	November 8, 2021	03:30 p.m. CEST	Microsoft Teams
	The results of the exam will be posted on the site: www.mat.unical.it/phd .			
Information	marilena.lovoi@unical.it			
Phd website	www.mat.unical.it/phd			

PhD Course in Doctorate in Translational Medicine

Coordinator	Prof.ssa Stefania CATALANO – Dipartimento di Farmacia e Scienze della Salute e della Nutrizione – Edificio Polifunzionale – Arcavacata di Rende (CS) Tel.: +39 0984.496207 – E-mail: stefcatalano@libero.it – SSD: MED/05		
Duration	3 years		
Main Department	Department of Pharmacy, Health and Nutritional Sciences		
Subject Areas	MED/03, MED/04, MED/05, MED/07, MED/46, BIO/10, BIO/12, BIO/13, BIO/14, BIO/15, BIOc/16, CHIM/01, CHIM/02, CHIM/03, CHIM/06, CHIM/08, CHIM/09, CHIM/10, AGR/15, L-LIN/12, M-STO/08.		
Additional grant themes on Innovation	Title	Months in Business	Months Foreign
	1) Design and synthesis of oligopeptides and their analogues for applications in the targeted transport of pharmaceuticals	10	6
	2) Uptake inhibition of cholesterol as an innovative therapeutic strategy for adrenal carcinoma	6	12
	3) Machine Learning for drug design	6	6
Additional grant themes on Green	Title	Months in Business	Months Foreign
	1) Green biopolymer composites, polysaccharide-based antimicrobial films and coatings for food packaging with low environmental impact: added effect of phenols	6	6
Research Topics	a) Molecular design b) Molecular basis of diseases and therapeutic approaches for TM		
Assessable qualification	Evaluation of qualifications and oral examination. During the oral examination, the knowledge of the English Language will be assessed.		
Documents to be enclosed	Curriculum Vitae et Studiorum (CV) Research Project Academic qualification and/or job experiences Scientific Publications (eventual)		
Assessment criteria	Total Score 60/60		
	Evaluation Qualification		Total score 30/30
	Research Project	Score 18	
	CV	Score 7	
	Academic qualification and job experiences	Score 3	
	Publications	Score 2	
	Oral Examination and knowledge of the English Language: The oral examination is based on the discussion of the research project proposed by the applicant and general knowledge of issues related to innovation and green issues.	Total score 30/30	

	Minimum Score required for the admission to the oral examination: score 21/30			
Positions	Additional grants Action IV.4 "Innovation"		3	
	Additional grants Action IV.5 "Green"		1	
Agenda	Test	Date	Time	Room
	Publication results qualification assessment	of November 5, 2021		
	Oral examination	November 8, 2021	9.30 a.m .CEST	Aula Seminari Dip. FSSN University of Calabria Arcavacata di Rende (CS)
	The results will be published on the PhD website at: www.unical.it/portale/strutture/dipartimenti_240/dfssn/postlaurea/dottorati/			
Information	Dott.ssa Gemma Capparelli Department of Pharmacy, Health and Nutritional Sciences Tel. 0984-493109 Fax. 0984-493107 Email: gemma.capparelli@unical.it			
PhD website	www.unical.it/portale/strutture/dipartimenti_240/dfssn/postlaurea/dottorati/			

PhD Course in Politics, Culture and Development

Coordinator	Prof. Alberto Ventura – Department of Culture, Education and Society – Via P. Bucci, Cubo 18B – Arcavacata di Rende (CS) – Tel. 0984.496523 – E-mail: alberto.ventura@unical.it – SSD: L-OR/10.		
Duration	3 years		
Main Department	Department of Social and Political Sciences		
Subject Areas	IUS/09, IUS/10; IUS/11; IUS/21; L-LIN/01; L-LIN/12; L-OR/10; M-PSI/04, M-PSI/05; M-STO/02; SECS-P/02; SECS-P/07; SPS/02, SPS/04; SPS/07; SPS/08; SPS/10; SPS/11, SPS/12, L-ART/06, M-FIL/05, L-FIL-LET/14.		
Additional grant themes on Innovation	Title	Months in Business	Months Foreign
	1 Design of evidence-based interventions for the promotion of psychological well-being in adolescents	6	6
Additional grant themes on Green	Title	Months in Business	Months Foreign
	2 Sustainability and technological innovation in healthcare. Value creation through investments in training	12	12
Additional grant themes on Green	Title	Months in Business	Months Foreign
	Ecological transition, agri-food practices and territorial ecosystem	6	6
Participation Requirements	Italian University Degree (ante DM 509/1999) or Italian/Master's Degree (ante DM 509/1999 and DM 270/2004) or equivalent Degree obtained abroad.		
Procedures for the admission	- Assessment of qualifications - Oral examination.		
Assessable qualification	The following assessable qualifications will be considered: - <i>Curriculum Vitae</i> and <i>Studiorum</i> (CV); - Publications (if any); - Research project.		
Assessment criteria	<p style="text-align: center;"><u>Max score 90/90</u></p> <p><u>Assessment of qualifications</u>: max score 30/30 - CV: max score 10; - Publications: max score 5; - Research project: max score 15. <u>Oral examination</u>: max score 30/30 <u>Assessment criteria</u>: During the oral examination candidates will be required to discuss the research project submitted, and general knowledge of issues related to innovation and green issues. <i>Minimum score required for admission to the succeeding tests and for the oral examinations: 21 points</i></p>		
Positions	Additional grants Action IV.4 "Innovation"	2	
	Additional grants Action IV.5 "Green"	1	
Agenda	Publication results of qualification assessment: November 5, 2021. <u>Oral examination</u> : November 8, 2021, 09.30 am CEST – Microsoft Teams The test results will be published on the PhD website at https://www.unical.it/portale/strutture/dipartimenti_240/dsps/dottorato/index.cfm		
For Contact and	E-mail: dottoratopcs.spes@unical.it		



UNIONE EUROPEA
Fondo Sociale Europeo



*Ministero dell'Università
e della Ricerca*



UNIVERSITÀ DELLA
CALABRIA

Information	
Phd course website	https://www.unical.it/portale/strutture/dipartimenti_240/dsps/dottorato/index.cfm

Ph.D. Course in ECONOMIC AND BUSINESS SCIENCES

Ph.D. Coordinator	Prof. Fabio Giovanni Lamantia – Dipartimento di Economia, Statistica e Finanza "Giovanni Anania" – DESF – Via Pietro Bucci - Arcavacata di Rende (CS) 0984.492253 - e-mail: fabio.lamantia@unical.it - SSD: SECS-S/06		
Duration	3 years		
Proposing Department	Department of Economics, Statistics and Finance "Giovanni Anania" (DESF)		
Other involved departments	Department of Business Administration and Law (DISCAG)		
SSD	SECS-P/01, SECS-P/02, SECS-P/03, SECS-P/05, SECS-P/06, SECS-P/07, SECS-P/08, SECS-P/11, MAT/09, SECS-S/01, SECS-S/04, SECS-S/06, IUS/01, IUS/07, SPS/10		
Additional grant themes on Innovation	Title	Months in Business	Months Foreign
	Entrepreneurial well-being and innovation performance	6	6
Prerequisites to apply	-Second Level Degree (Laure Magistrali ex DM 270/204): LM-16 Finance; LM-31 Management Engineering; LM-40 Mathematics; LM-56 Economic Sciences; LM-77 Business Sciences; LM-82 Statistical Sciences; LM-83 Financial and Actuarial Statistical Sciences - Second Level Degree (Lauree Specialistiche ex DM 509/1999): 19/S Finance; 34/S Management Engineering; 45/S Mathematics; 64/S Economic Sciences; 84/S Business Sciences; 91/S Economic, Financial and Actuarial Statistics - Degree (before DM 09/1999) equalized to one of the above-cited second level degrees according to the DM 09/07/2009 - Degree released by foreign universities equalized to one of the above-cited degrees		
Modalities of the admission to the Ph.D.	Qualifications' evaluation and oral exam During the oral examination, the knowledge of the English Language will be assessed.		
Qualifications and documents	Curriculum vitae et studiorum (CV) Research project Certificates testifying the knowledge of the English language		
Evaluation criteria	Maximum score 60 points		
	Qualifications' evaluation	Maximum score 30 points	
	Research project	Maximum score 13 points	
	Curriculum vitae et studiorum (CV)	Maximum score 15 points	
	Certificates testifying the knowledge of the English language	Maximum score 2 points	
Oral exam	Maximum score 30 points		
	Modalities: Oral exam on economic and business themes and on the research		

	project and and general knowledge of issues related to innovation and green issues.			
	Minimum score to be admitted to the next exam: 21 points			
Positions	Additional grants Action IV.4 "Innovation"		1	
Scheduling of the exams	Exam	Day	Timetable	Place
	Publication results of qualification assessment	November 5, 2021		
	Oral exam	November 8, 2021	9:00 a.m. CEST	Aula seminari Dipartimento di Economia, Statistica e Finanza "Giovanni Anania" - Cubo 0C – Piano Terra – University of Calabria – Arcavacata di Rende (CS). Oral exam via Skype for candidates with academic qualifications obtained abroad.
	Results of the exams will be published on the following website: http://www.unical.it/portale/didattica/phdsea/			
Contact for information	Dott. Giovanni Dodero – Mail address: giovanni.dodero@unical.it			
Web site	http://www.unical.it/portale/didattica/phdsea/			

PhD Course in Science and Engineering of the Environment, Construction and Energy

Coordinatore	Prof. Salvatore Critelli - Department of Biology, Ecology and Earth Sciences (DiBEST) – Via Pietro Bucci – Cubo 15B - Tel.: 0984/493678 – E-mail: salvatore.critelli@unical.it – SSD: GEO/02		
Duration	3 years		
Proposer Department	Department of Environmental - DIAM		
Other Department Involved	Dipartimento di Ingegneria Informatica, Modellistica, Elettronica e Sistemistica – DIMES Department of Mechanical, Energy and Management Engineering – DIMEG Department of Biology, Ecology and Earth Sciences (DiBEST) Department of Physics Department of Civil Engineering Department of Chemistry and Chemical Technologies - CTC Department of Business and Law - DIScAG		
Scientific sectors	MAT/07, CHIM/04, CHIM/06, CHIM/07, FIS/01, FIS/07, FIS/08, GEO/01, GEO/02, GEO/04, GEO/05, GEO/06, GEO/07, GEO/08, GEO/09, GEO/10, GEO/11, ICAR/02, ICAR/08, ICAR/09, ING-IND/22, ING-IND/24, ING-IND/25, ING-IND/26, ING-IND/27, ING-IND/33, ING-INF/01, ING-INF/04, IUS/09, IUS/20, L-ANT/09.		
Additional grant themes on Innovation	Title	Months in Business	Months Foreign
	1) An innovative GIS-database of the Southern Apennines Basin District Authority for the risk and resources potentiality	6	6
	2) Methods of analysis and innovative strategies for the monitoring and safety of existing bridges and viaducts	6	6
	3) Advanced DEcision Support System fOr inteGRated tools of Environmental cErtification	12	6
Additional grant themes on Green	Title	Months in Business	Months Foreign
	1) Sediment generation and erosional rates of the Sila, Pollino and Coastal Range mountain system (Calabria, Italy)	6	6
	2) A A WEF-Nexus for the Mitigation of the Impact of Climate Change in Coastal aquifers	12	6
	3) Design and development of nanostructured systems based on mesoporous silica for the capture of environmental contaminants	10	6
	4) Developmant of selective membrans for suistenable perevaporation processes of industrial useful	12	12
	5) Decision support system for monitoring of the effects of climatic changeand the related selected strategies	6	6
Application Requirements	Master Degree (before the DM 509/1999) or Master Degree (ex DM 509/1999 and DM 270/2004); - Equivalent qualification, obtained from a foreign, legally recognized university.		
Evaluation procedure	Assessment of academic publications and titles, oral examination. During the oral exam, foreign language proficiency will be tested.		

Evaluable academic publication and titles	<ul style="list-style-type: none"> - Curriculum vitae et studiorum (CV); - Research project which consists of a minimum of three pages to a maximum of 6 pages, containing a brief state of the art, the description of the research objectives to be pursued during the PhD course, the main contributions and / or innovations of the research. - Scientific and technical reports, publications. 			
Evaluation Criteria	Maximum score of 60 points			
	Assessment of the applicants publications and titles		Maximum score 30 points	
	Research Project		Maximum score 20 points	
	CV		Maximum score 5 points	
	Scientific and technical reports, publications		Maximum score 5 points	
	Oral examination. Selection criteria: The oral examination will focus on the content of the candidate's project. The committee will also evaluate the candidate's skills for the realization of the project and the candidate's rationale for doctoral research and and general knowledge of issues related to innovation and green issues. The candidate must also demonstrate to have a high level of expertise in a foreign language.		Maximum score 30 points	
The minimum threshold for being admitted to the oral examination and positive oral examination is of 21 points				
Positions	Additional grants Action IV.4 "Innovation"		3	
	Additional grants Action IV.5 "Green"		5	
Agenda	Test	Date	Time	Room
	Publication results of qualification assessment	November 5, 2021		
	Oral examination	November 8, 2021	9:30 a.m. CEST	Cubetto 15A – DIBEST - University of Calabria (CS)
	The test results will be posted on the website https://diatic.unical.it/			
Contact for information	salvatore.critelli@unical.it; tel. 0984-493678; marinella.tedeschi@unical.it; 0984-496650			
PhD website	https://www.unical.it/portale/strutture/dipartimenti_240/dibest/ricerca/dottorati/siace/			

PhD Course in PHYSICAL, CHEMICAL AND MATERIALS SCIENCES AND TECHNOLOGIES

Coordinator	Prof.ssa Gabriella CIPPARRONE - Dipartimento di Fisica - Via Pietro Bucci - Cubo 33/B, Arcavacata di Rende (CS) Tel.: +39 0984.496115 - E-mail: gabriella.cipparrone@fis.unical.it - SSD: FIS/03.		
Duration	3 years		
Main Department	Department of Physics		
Subject Areas	FIS/01, FIS/02, FIS/03, FIS/05, FIS/06, FIS/07, CHIM/02, CHIM/03, CHIM/06, ICAR/08		
Additional grant themes on Innovation	Title	Months in Business	Months Foreign
	1) Development of semantic segmentation algorithms for information extraction in micro C	12	6
	2) Wave-driven particles at a fluid interface	6	6
	3) Development of multi-level smart labels for asset protection systems	6	6
Additional grant themes on Green	Title	Months in Business	Months Foreign
	1) Enabling materials for the use of hydrogen in energy systems	12	6
	2) Metal–organic framework technologies for water remediation and Environmental Decontamination: towards a sustainable ecosystem	6	8
	3) Biological Electrochromic materials for Building and automotive Energy Saving applications (BEtheBEST)	6	6
	4) Climate change and acceleration of extreme events in the Mediterranean basin	6	6
5) Surface adsorption, adhesion, cohesion, and bio-fouling in maritime industry, aquaculture, water management, waste treatment, and biomedical engineering applications.	12	12	
Participation Requirements	Italian University Degree (ante DM 509/1999) or Italian/Master's Degree (ante DM 509/1999 and DM 270/2004) or equivalent Degree obtained abroad.		
Procedures for the admission	Evaluation of Qualifications and oral examination. The knowledge of English.		
Assessable qualification	<ul style="list-style-type: none"> - Curriculum vitae with details of any previous research experience; - Master Degree with the details of mark, duration and exams; - Research project; - List of published scientific articles (eventual). 		
Assessment criteria	Maximum score 60 points		

	Qualification			Maximum score 30 points
	Research project			
	CV and any previous research experience			
	Eventual published articles			
	Oral examination			Maximum score 30 points
	English presentation of the candidate research project and eventual discussion on papers published by the candidate, on general knowledge of issues related to innovation and green issues.			
Minimum score to reach the position: 21 pt				
Positions	Additional grants Action IV.4 "Innovation"			3
	Additional grants Action IV.5 "Green"			5
Agenda	Description	Date	Time	Room
	Publication results of qualification assessment	November 5, 2021		
	Oral examination	November 8, 2021	9.30 a.m. CEST	Seminars Hall of Physics Department of University of Calabria – Arcavacata di Rende (CS) /Microsoft Teams
The test results will be published on the PhD website at https://www.unical.it/portale/strutture/dipartimenti_240/fisica/didattica/dottorato/stfcm/presentazione/				
Information	Dott.ssa Chiara Perri 0984/494006 - E-mail: chiara.perri@fis.unical.it			
Phd website	https://www.unical.it/portale/strutture/dipartimenti_240/fisica/didattica/dottorato/stfcm/presentazione/			

ANNEX B
SELF-DECLARATION AFFIDAVIT
(art. 46 D.P.R.28 December 2000 n. 445)*

I/I, the undersigned/a _____ Fiscal Code: _____

Place of birth _____ date of birth _____ Sex M/F _____ residence (city)

_____ prov. ____ via _____ n. ____ cap _____ I understand that any incorrect

information and false statements are subject to the penalties provided under the Italian penal code and all other applicable laws (art. 46 DPR 445/2000):

Hereby declare

to be in possession of the following access title pursuant to art. 2 of the selection notice:

(Indicate the title of study - date, University and eventual exams - requested in article 2 of call for application and eventual other title)

Degree _____ achieved in date _____

with vote _____ at _____

list of exams and grades (if any) _____

A copy of the following identity document is attached:

The undersigned declares, also, to be informed, pursuant to and for the purposes of Legislative Decree no. 196 of 2003 and Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 that the personal data collected will be processed, including by means of IT tools, exclusively in the context of the process for which this declaration is made.

Place and date, _____

Declared by
(Legible signature)

*This statement may relate to states, personal qualities or facts that are directly acquainted with the person concerned, as well as states, personal qualities and facts relating to other subjects of which he or she has direct knowledge.

This statement must provide proof of any qualifications (eg qualifications, examinations, professional qualifications, etc.) that are not attached to the application, as self-certification.

For the titles attached (eg documents issued by a public authority, copies of publications, copies of parchments or certificates of study or service qualifications, etc.) must in the same declaration state declare that they are in conformity to the original copy.

Lastly, a copy of a validation document must be dated, signed and attached.

N.B. - Subscribing to the aforementioned statements is not subject to authentication where it is assigned in the presence of the employee. If this declaration is sent or filed directly by a person other than the candidate, photostatic copy, front and rear, of a document of the identity of the subscriber must also be produced. Only photographic identity documents issued by a state administration will be considered valid.

ANNEX C
THEMATIC RESEARCH PROJECT INNOVATION (ACTION IV.4)

I/I, the undersigned/a _____ Place of birth _____

date of birth _____ Fiscal Code: _____

presents the following research project to participate in the selection for admission to the Phd course in _____ a. a. 2021/2022.

Subject of research:

(Please quote the selected topic among those related to the Phd course of interest):

Project:

Prepare the project proposal in line with the provisions of the call and with the description of the topic of interest, highlighting the contribution that the candidate can offer to the development of the topic and taking into account in particular the following criteria (art. 3 paragraph 2 D.M. 1061/2021):

- a. *Relevance of the doctoral pathway project in relation to the ability to create a high added value, in terms of scientific, social and economic impacts on the national territory, encouraging appropriate research models and the training of professional profiles in response to the innovation and competitiveness needs expressed by the entrepreneurial system, through the promotion of research on innovation, digital and enabling technologies, supporting the enhancement of human capital, as a determining factor for the development of research and innovation in Italy.*
- b. *Compliance of the doctoral pathway project with the SNSI and the PNR, consistency with the L.240/2010 and the DM 45/2013 on doctorates, with the aim of encouraging innovation and the interchange between the world of research and the productive world and qualification of the contribution of research projects in the fields of innovation (L. 240/2010, art. 24, co. 3 and ss.mm.ii.).*
- c. *Measurability of expected results and potential impact of the intervention with reference to the aims of the REACTEU: presence of quantifiable and measurable targets consistent with the indicators provided by the PON reference action.*

Description (MAXIMUM 9.000 CHARACTERS SPACES EXCLUDED)

Date, _____

The candidate
(Legible signature)

ANNEX D
GREEN THEMATIC RESEARCH PROJECT (ACTION IV.5)

I/I, the undersigned/a _____ Place of birth _____

date of birth _____ Fiscal Code: _____

presents the following research project to participate in the selection for admission to the Phd course in _____ a. a. 2021/2022.

Subject of research:

(Please quote the selected topic among those related to the Phd course of interest):

Project:

Prepare the project proposal in line with the provisions of the call and with the description of the topic of interest, highlighting the contribution that the candidate can offer to the development of the topic and taking into account in particular the following criteria (art. 3 paragraph 2 D.M. 1061/2021):

- a. Relevance of the doctoral pathway project in relation to the ability to create a high added value, through the enhancement of human capital, in terms of scientific, social and economic impacts on the national territory, fostering appropriate models of research and contamination of knowledge and skills to foster the development of innovative products and services with a reduced impact on the environment, focusing on themes geared to the conservation of the ecosystem, biodiversity, as well as reducing the impacts of climate change and promoting sustainable development, as a contribution to promoting green recovery and overcoming the effects of the crisis in the context of the COVID-19 pandemic.
- b. Compliance of the doctoral course project with the SNSI and the PNR, consistency with the L.240/2010 and the DM 45/2013 in the field of doctorates, through the funding of doctorates in the field of Green.
- c. Measurability of expected results and potential impact of the intervention with reference to the aims of the REACTEU: presence of quantifiable and measurable targets consistent with the indicators provided by the PON reference action.

Description (MAXIMUM 9.000 CHARACTERS SPACES EXCLUDED)

Date, _____

The candidate
(Legible signature)
