## Annex I - Notice of the Call

## Evaluation Guide

Call for PhD Studentships - 2020

February 2020

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FCT Fundacão
para a Ciência

2020
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## ACRONYMS

BD - PhD Studentship

COI - Conflict of Interests

FCT - Fundação para a Ciência e a Tecnologia, I.P.
myFCT - FCT Information and Management System of FCT

CV - Curriculum Vitae

RBI - FCT Regulation for Research Studentships and Fellowships

## 1. INTRODUCTION

The Evaluation Guide is the document prepared to help evaluators and applicants understand the procedure associated to applications evaluation of the PhD Studentships Call - 2020.

## No information contained in this Guide replaces or overlaps with what is stated in the Research Fellowship Statute (EBI), the FCT Research Fellowship Regulation (RBI) and the Notice of the Call.

## 2. EVALUATION PROCESS

### 2.1 Guiding principles for peer-review evaluation

The mission of FCT is to ensure the scientific quality of the peer review process. Therefore, evaluators shall give precedence to quality and originality over quantity, when analysing applicants and supervisors' CVs. The scientific content represents the essential core of peer review, which requires a global and integrated vision of all components of the applicant's scientific and professional career and the research work plan. The application must be evaluated taking into consideration its originality, consistency and coherence, and its contribution to the progress of knowledge in all of its components.

Impartiality and transparency are fundamental principles for evaluation decisions. All applications will be treated and assessed impartially, on the base of their merit, regardless of origin or identity of the applicant, supervisors or affiliation institution, safeguarding situations of conflict of interests (COI).

### 2.2 Conflict of Interests (COI)

If the chair, co-chair or any other member of the evaluation panel is in a situation of COI regarding any of the applications submitted to the panel, he/she must declare it to FCT as early as the first contact with the application is made.

Panel members in any declared COI situation cannot be assigned by the chair or co-chair as readers of the respective applications, and will be prevented from contacting in any way with the applications or their evaluation, throughout the evaluation process.

The COI declarations must mandatorily be included in the panel meeting report. The chair of the evaluation panel, in collaboration with FCT, is responsible for compiling the list of declared COI situations that include the application reference, name of the applicant and the respective panel member.

The situations of COI of the chair, co-chair, evaluators and external reviewers include, but are not limited to:
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a) Belonging to the same academic organizational unit ${ }^{1}$ and/or the same R\&D unit of the host institution of the work plan associated to the application;
b) Belonging to the same academic organizational unit and/or the same R\&D unit of the higher education institution of the supervisor and/or co-supervisor(s) associated to the application;
c) Having published scientific work with the applicant or with the applicant's supervisor or co-supervisor(s) in the three years prior to the date of opening of the application period;
d) Having on-going scientific collaboration with the applicant, their supervisor or co-supervisor(s);
e) Being related (family relationship) to the applicant, supervisor or co-supervisor(s);
f) Having a scientific or personal conflict with the applicant supervisor or co-supervisor(s);
g) Being in any other situation that may raise doubts to her/himself, to third parties, namely the applicant or an external entity, about their capacity to assess the application impartially.

The members of the Scientific Coordination Group, referred in Chapter 5 of this Guide, cannot be in any situation of conflict of interests related to any of the submitted applications to this call.

### 2.3 Terms of Reference and Confidentiality

All panel members, including evaluators, chair and co-chair, as well as potential external reviewers, who do not participate in the panel but who collaborate with it, establish with FCT the commitment to respect a set of responsibilities essential to the evaluation process, such as impartiality, declaration of potential COI and confidentiality. During all the evaluation process, confidentiality must be fully protected and ensured in order to guarantee the independence of all opinions produced. All panel members, as well as external reviewers, are responsible for ensuring confidentiality about the entire evaluation process, as well as the content of the applications, being prevented from copying, citing or using any type of material contained therein.

The members of the Scientific Coordination Group will also have to sign the respective Terms of Reference and Confidentiality.

### 2.4 Constitution of the Evaluation Panels

Evaluation panels are constituted by experts with acknowledged scientific merit and experience. Evaluation panels are also established according to coverage of scientific fields and sub-fields, gender balance, institutional and geographical diversity.

All the panel members, including the chair and co-chair, and external reviewers that may eventually collaborate with the panel, may never be a supervisor or co-supervisor of applicants with applications submitted under the evaluation panel where they participate, but may, nevertheless, be the supervisor

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or co-supervisor of candidates applying to alternative evaluation panels.
The assessment work developed by each panel is coordinated, under FCT's invitation, by one of its members, who has the responsibility for assuring that the evaluation exercise is carried out with transparency, independence and equity.

The chair should not assess any applications, but may exceptionally do so, under particular circumstances, namely lack of scientific coverage in the panel or COI of the remaining panel members.

The chair shall appoint, among the members of the respective panel, a co-chair to assist her/him in the coordination tasks, as the management of applicants with which has declared Col, for example. The evaluator nominated as co-chair accumulates the tasks of co-coordination with those of evaluator of the applications assigned to her/him.

Evaluation panels will be composed based on the adaptation of the FOS Classification of the Frascati Manual (OECD's Revised Field of Science and Technology Classification in the Frascati Manual - see Annex I).

Applications are assigned to the different panels according to the main scientific field, secondary scientific field and scientific subfield indicated by the applicant, in accordance with the table included in Annex I. The scientific fields and subfield identified by the applicant cannot be altered by the evaluation panel, and, therefore, applications cannot be transferred to a different evaluation panel.

The constitution of the Evaluation Panels is made public in the FCT's webpage. The list of panel chairs will be disclosed during the application submission period and the list of evaluators that will participate in the evaluation process will be published before the beginning of the evaluation period.

### 2.5 Role and Responsibilities of the Panel Chair

In collaboration with FCT, the chair is responsible for:
a) Ensuring that the evaluation exercise is carried out with transparency, independence and equality;
b) Appointing a co-chair to support her/him in the panel management activities and delegating the tasks considered necessary to the proper management of the panel work;
c) Allocating to each application two evaluators, appointing them as $1^{\text {st }}$ and $2^{\text {nd }}$ readers, considering their fields of expertise and the application's subfield;
d) Identifying applications that may need external reviewers;
e) Managing the identified COIs;
f) Ensuring that all panel members follow the guidelines and clarifications provided by FCT throughout the process;
g) Verifying, in a joint action with the panel members, the suitability of the applications to the panel, identifying any applications outside the scope of the panel that may be considered as "Nonassessable";
h) Ensuring that all panel members know and apply the established criteria and sub-criteria, and the respective weighing of such criteria and sub-criteria, when filling in the individual evaluation reports;
i) Assuring the compliance with the deadlines granted to evaluators to prepare the individual and preconsensus evaluation reports;
j) Ensuring that, when filling in the evaluation reports, evaluators justify their grading with clear and substantive arguments that allow understanding the correspondence between both;
k) Moderating the panel meeting and ensuring a collegial process of decision;
I) Assuring that the final evaluation report is prepared until the end of the panel meeting;
m ) Guaranteeing that all the final evaluation reports produced by the panel, that will be communicated to applicants, are consistent and coherent with each other and that the comments are in accordance with the provisions of this guide, the applicable legislation and with the respective scores;
n) Preparing the panel meeting report, together with all the panel members;
o) Collaborating with FCT to solve any unexpected event that may occur before, during and/or after the panel meeting;
p) Coordinating the preliminary hearing process.

### 2.6 Remote and Panel Meeting Evaluation

### 2.6.1 Remote evaluation

Before the beginning of the evaluation process, all panel members (including chair and co-chair) will have to indicate on the FCT's information system, myFCT, the applications with which they are in a situation of conflict of interests, thus preventing access to the details of these applications. The list of COIs declared by each panel member will be included in the panel meeting report, which will be made available to the applicants.

The remote evaluation is divided in two stages: i) individual evaluation and ii) pre-consensus evaluation, both of which are carried out in myFCT portal. In the first stage, each evaluator must complete their individual evaluation forms as $1^{\text {st }}$ and $2^{\text {nd }}$ reader, and in the second stage, the $1^{\text {st }}$ reader will be responsible to produce the pre-consensus report that should reflect the analysis of both readers allocated to the application.

### 2.6.1.1 Individual Evaluation

a) Each application is individually assessed by two panel members who are not in a situation of COI with the applicant and respective supervisor(s) and affiliation institution(s).
b) If any of the evaluators identifies an additional situation of COI concerning any application(s) attributed to her/him, it must be immediately and formally declared to FCT and to the panel chair, who is responsible for the reallocation of the application(s).

c) Whenever justified, as in the case of interdisciplinary applications, the chair may request to FCT the opinion of external reviewers, during the individual remote evaluation period.
d) An application shall be considered non-assessable when it strays considerably from the scientific field in which it was submitted and if there is an alternative panel where it would better suit. The evaluation panel must jointly validate this decision during the panel meeting and that must be made explicit in the final evaluation report and justified in the panel meeting report.
e) An application shall also be considered non-assessable when a violation of at least one of the mandatory admissibility requirements of the applicant or application is identified, whenever it has not been identified in the prior stage of administrative review of admissibility (as, for example, the case of submitting the same recommendation twice).
f) Each evaluator must fill in an individual evaluation report for each of the applications that they are assigned to, score the three evaluation criteria separately (see section 5 . Notice of the Call) and prepare the respective comments in order to clearly justify the score awarded.

### 2.6.1.2 Pre-consensus Evaluation

a) At the end of the individual evaluation stage, the $1^{\text {st }}$ reader is responsible for preparing a pre-consensus report within the pre-established deadline that takes place before the panel meeting.
b) When preparing the pre-consensus report, the $1^{\text {st }}$ reader must take into consideration the two individual evaluations (and external reviewers' assessment, if applicable).

### 2.6.2 Panel Meeting

The panel meeting consists on the reunion of all panel members where the collegial discussion all applications submitted to the panel is promoted. This meeting comprises the following:
g) Analysis and joint discussion of all applications, taking into consideration the individual and preconsensus evaluation reports previously produced which constitute the working documents for the panel;
h) During the meeting, the $1^{\text {st }}$ readers must be prepared to present a summary of strengths and eventual weaknesses of each application that has been assigned to them. During the discussion, the participation of all panel members should be encouraged;
i) The final evaluation of each panel is performed by discussing the relative merit of all the applications, after which the final score for each application is established. If any panel member is in a situation of conflict of interests with any application, he/she will not be able to participate in the discussion and should leave the meeting. If this situation applies to the chair and the co-chair, another panel member should be assigned to moderate the meeting and the discussion of these applications;
j) The $1^{\text {st }}$ reader is responsible for preparing the final evaluation reports, taking into consideration the discussion and the collegial decision of the panel;
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k) All the final evaluation reports produced must be consistent and coherent with each other, also exhibiting a correspondence between the scores and respective comments;
I) All panel members are responsible for the discussion of the relative merit of all the applications. From the collegial discussion shall result a single provisional ranked list, per evaluation panel.

### 2.7 Comments to be transmitted to Applicants

Each panel should pay attention to present, in a clear, consistent and coherent manner, the arguments that led to the scores awarded to each of the evaluation criteria and sub-criteria; the eventual disability bonuses and respective degree of disability should also be mentioned. It is the responsibility of the chair and the co-chair to ensure that the panel justifies the scores with substantive arguments that allow the understanding of the meaning of the evaluation, identifying the strengths and weaknesses of each application for each evaluation criteria (see point 5. of the Notice of the Call).

In case the applicant presents more than one graduate and/or master degree, the panel should indicate which of the degrees has been selected for the calculation of sub-criterion A1 - Academic Career. In case of academic degrees obtained in a foreign country, the panel should mention if the applicant has submitted, or not, the respective recognition and/or conversion to the Portuguese grading scale.

The comments in the final evaluation reports should comply with the following recommendations:
a) Do not use the $1^{\text {st }}$ person; alternatively, as an example, use "The panel considers that (...)";
b) Avoid descriptive comments or that are a mere summary of elements included in the application;
c) Avoid general and/or vague comments, such as "very weak work plan", "adequate CV", "excellent hosting conditions", etc.;
d) Use analytic and impartial language, avoiding depreciative comments about the applicant, the work plan proposed, the supervisors, etc.;
e) Avoid asking questions since the applicant cannot reply.

### 2.8. Panel Meeting Report

The panel meeting report is a responsibility of all panel members and must be signed by all, being the chair responsible for writing it down.

The panel meeting report must include:
a) The name and affiliation of all panel members;
b) The identification of all applications considered as "non-assessable";
c) The panel adopted methodology used for particular cases;
d) The provisional ranked list of all the applications evaluated by the panel, in descending order of the final score.
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In addition, the panel meeting report must include the following annexes:
e) The COI declarations of all the panel members;
f) Eventual vote and competence delegations for justified absences.

## 3. STRATEGIC COORDINATION OF THE CALL

FCT will designate a Scientific Coordination Group to the Call, composed by three to five members of acknowledged international scientific merit, in distinct fields of knowledge. The work developed by this Group is coordinated by one of its members, by FCT invitation.

The constitution of the Scientific Coordination Group composition will disclosed at FCT's webpage.
The Scientific Coordination Group will analyse the global results of all the evaluation panels, proposing to the FCT the number of studentships that shall be granted to each panel. In this process, the Group will consider the policy guidelines for Portugal in the European context («Higher Education, Research and Innovation in Portugal - Perspectives for 2030», available at: https://www.portugal.gov.pt/download-ficheiros/ficheiro.aspx?v=6ac404ca-9f41-4d83-ae70-6ffff158803b), as well as the need to guarantee a highly qualified human resources framework, recognizing the disciplinary, multidisciplinary and transdisciplinary nature of scientific knowledge.

The Scientific Coordination Group will meet after the evaluation process and ranking of all applications by the respective evaluation panels are completed, proposing to FCT the number of studentships that shall be granted to each panel and, consequently, the final provisional list of applications to be funded. A panel meeting report will be prepared, describing the methodology used for the decision-making.

## Annex I - Scientific fields, adapted from the FOS Classification of the Manual Frascati

| Main Scientific Field | Secondary Scientific Field | Subfield | Evaluation Panel |
| :---: | :---: | :---: | :---: |
| 1a Exact Sciences | 1.1 Mathematics | Pure Mathematics | Mathematics |
|  |  | Applied Mathematics |  |
|  |  | Statistics and Probability |  |
|  |  | Mathematics - Other |  |
|  | 1.2 Computer and Information Sciences | Computation Sciences | Computer Sciences and Informatics |
|  |  | Information Sciences |  |
|  |  | Bioinformatics |  |
|  |  | Computer Sciences and Informatics - Other |  |
|  | 1.3 Physical Sciences | Atomic Physics | Physics |
|  |  | Molecular Physics |  |
|  |  | Chemical Physics |  |
|  |  | Condensed Matter Physics |  |
|  |  | Particle Physics |  |
|  |  | Nuclear Physics |  |
|  |  | Fluids and Plasma Physics |  |
|  |  | Medical and Biological Physics |  |
|  |  | Optics |  |
|  |  | Acoustics |  |
|  |  | Astronomy |  |
|  |  | Gravitation and Cosmology |  |
|  |  | Physical Sciences - Other |  |
|  | 1.4 Chemical Sciences | Organic Chemistry | Chemistry |
|  |  | Inorganic Chemistry |  |
|  |  | Nuclear Chemistry |  |
|  |  | Physical Chemistry |  |
|  |  | Polymer Science |  |
|  |  | Electrochemistry |  |
|  |  | Colloid Chemistry |  |
|  |  | Analytical Chemistry |  |
|  |  | Medicinal Chemistry |  |
|  |  | Chemistry - Other |  |


| Main Scientific Field | Secondary Scientific Field | Subfield | Evaluation Panel |
| :---: | :---: | :---: | :---: |
| 1b Natural Sciences | 1.5 Earth and related Environmental Sciences | Geosciences and Multidisciplinary Studies | Earth Sciences |
|  |  | Mineralogy |  |
|  |  | Palaeontology |  |
|  |  | Geochemistry |  |
|  |  | Geophysics |  |
|  |  | Physical Geography |  |
|  |  | Geology |  |
|  |  | Volcanology |  |
|  |  | Meteorology |  |
|  |  | Atmospheric Sciences |  |
|  |  | Climate Research |  |
|  |  | Oceanography |  |
|  |  | Hydrology |  |
|  |  | Water Resources |  |
|  |  | Earth Sciences - Other |  |
|  |  | Natural Resources and Sustainability | Environmental Sciences |
|  |  | Monitoring and Environmental Impact |  |
|  |  | Environmental Management |  |
|  |  | Ecotoxicology |  |
|  |  | Waste Management and Recovery |  |
|  |  | Climate Change |  |
|  |  | Atmosphere and Pollution |  |
|  |  | Water and Pollution |  |
|  |  | Environmental Sciences - Other |  |
|  | 1.6 Biological Sciences | Cellular Biology | Experimental Biology and Biochemistry |
|  |  | Microbiology |  |
|  |  | Virology |  |
|  |  | Biochemistry |  |
|  |  | Molecular Biology |  |
|  |  | Biochemical Research Methods |  |
|  |  | Biophysics |  |
|  |  | Genetics and Heredity |  |
|  |  | Reproductive Biology |  |
|  |  | Developmental Biology |  |
|  |  | Experimental Biology and Biochemistry - Other |  |
|  |  | Botany | Biological Sciences |
|  |  | Zoology |  |
|  |  | Mammalogy |  |
|  |  | Herpetology |  |
|  |  | Ichthyology |  |
|  |  | Ornithology |  |
|  |  | Entomology |  |
|  |  | Mycology |  |
|  |  | Behavioural Biology |  |
|  |  | Marine Biology |  |
|  |  | Aquaculture |  |
|  |  | Freshwater Biology |  |
|  |  | Limnology |  |
|  |  | Ecology |  |
|  |  | Biodiversity Conservation |  |
|  |  | Evolutionary Biology |  |
|  |  | Organism Biology |  |
|  |  | Biological Sciences - Other |  | PORTUGUESA para a Ciência para

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| Main Scientific Field | Secondary Scientific Field | Subfield | Evaluation Panel |
| :---: | :---: | :---: | :---: |
| 2 Engineering and Technology | 2.1 Civil Engineering | Civil Engineering | Civil Engineering |
|  |  | Architecture Engineering |  |
|  |  | Construction Engineering |  |
|  |  | Municipal Engineering |  |
|  |  | Structural Engineering |  |
|  |  | Transport Engineering |  |
|  |  | Civil Engineering - Other |  |
|  | 2.2 Electrical, Electronic and Information Engineering | Electrical and Electronic Engineering | Electrical and Electronic Engineering |
|  |  | Robotics |  |
|  |  | Automation and Control Systems |  |
|  |  | Communication Engineering and Systems |  |
|  |  | Telecommunications |  |
|  |  | Computer Hardware and Architecture |  |
|  |  | Electrical and Electronic Engineering - Other |  |
|  |  | Informatics | Computer Sciences and Informatics |
|  | 2.3 Mechanical Engineering | Mechanical Engineering and Engineering Systems | Mechanical Engineering |
|  |  | Applied Mechanics |  |
|  |  | Thermodynamics |  |
|  |  | Aerospace Engineering |  |
|  |  | Nuclear Engineering |  |
|  |  | Manufacturing Processes |  |
|  |  | Audio Engineering and Reliability Analysis |  |
|  |  | Mechanical Engineering - Other |  |
|  | 2.4 Chemical Engineering | Chemical Engineering | Chemical Engineering |
|  |  | Chemical Process Engineering |  |
|  |  | Chemical Engineering - Other |  |
|  | 2.5 Materials Engineering | Materials Engineering | Materials Engineering and Nanotechnologies |
|  |  | Ceramics |  |
|  |  | Coating and Films |  |
|  |  | Composites |  |
|  |  | Paper and Wood |  |
|  |  | Textiles |  |
|  |  | Nanomaterials |  |
|  |  | Materials Engineering - Other |  |
|  | 2.6 Medical Engineering | Medical Engineering and Biomedical Engineering | Bioengineering and Biotechnology |
|  |  | Laboratory Technology |  |
|  |  | Medical Engineering - Other |  |
|  | 2.7 Environmental Engineering | Environmental Engineering | Environmental Engineering |
|  |  | Geological Engineering |  |
|  |  | Geotechnics |  |
|  |  | Petroleum engineering, Energy and Fuels |  |
|  |  | Remote Sensing |  |
|  |  | Mining and Mineral Processing |  |
|  |  | Marine Engineering |  |
|  |  | Sea Vessels |  |
|  |  | Ocean Engineering |  |
|  |  | Environmental Engineering - Other |  | para a Ciênc para a Ciencia

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| Main Scientific Field | Secondary Scientific Field | Subfield | Evaluation Panel |
| :---: | :---: | :---: | :---: |
| 2 Sciences of <br> Engineering and Technology | 2.8 Environmental Biotechnology | Bioremediation | Bioengineering and Biotechnology |
|  |  | Diagnostic Biotechnologies in Environmental Management; |  |
|  |  | Environmental Biotechnology Related Ethics |  |
|  |  | Environmental Biotechnology - Other |  |
|  | 2.9 Industrial Biotechnology | Industrial Biotechnology |  |
|  |  | Bioprocessing Technologies |  |
|  |  | Biocatalysis |  |
|  |  | Fermentation |  |
|  |  | Bioproducts |  |
|  |  | Biomaterials |  |
|  |  | Bioplastics |  |
|  |  | Biofuels |  |
|  |  | New Bio-Derived Materials |  |
|  |  | Bio-Derived Chemicals |  |
|  |  | Industrial Biotechnology - Other |  |
|  | 2.10 Nanotechnology | Nanodevices | Materials Engineering and Nanotechnologies |
|  |  | Nanoprocesses |  |
|  |  | Nanotechnologies - Other |  |
|  | 2.11 Food Engineering and Technology | Food Engineering and Technology | Agricultural and Food <br> Technologies |
|  |  | Food Engineering and Technology - Other |  |

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| Main Scientific Field | Secondary Scientific Field | Subfield | Evaluation Panel |
| :---: | :---: | :---: | :---: |
| 3 Medical and Health Sciences | 3.1 Basic Medicine | Biomedicine | Biomedicine |
|  |  | Anatomy and Histology |  |
|  |  | Human Genetics |  |
|  |  | Immunology |  |
|  |  | Neurosciences |  |
|  |  | Pharmacology |  |
|  |  | Biopharmaceuticals |  |
|  |  | Toxicology |  |
|  |  | Physiology |  |
|  |  | Pathology |  |
|  |  | Biomedicine - Other |  |
|  | 3.2 Clinical Medicine | Andrology | Clinical Medicine and Health Sciences |
|  |  | Obstetrics and Gynaecology |  |
|  |  | Paediatrics |  |
|  |  | Cardiac and Cardiovascular System |  |
|  |  | Haematology |  |
|  |  | Respiratory System |  |
|  |  | Critical Care Medicine and Emergency Medicine |  |
|  |  | Anaesthesiology |  |
|  |  | Orthopaedics |  |
|  |  | Surgery |  |
|  |  | Radiology, Nuclear Medicine and Medical Imaging |  |
|  |  | Transplants |  |
|  |  | Stomatology |  |
|  |  | Oral Surgery and Medicine |  |
|  |  | Dermatology |  |
|  |  | Infectious Diseases |  |
|  |  | Allergology |  |
|  |  | Rheumatology |  |
|  |  | Endocrinology and Metabolism |  |
|  |  | Gastroenterology and Hepatology |  |
|  |  | Urology and Nephrology |  |
|  |  | Oncology |  |
|  |  | Ophthalmology |  |
|  |  | Otorhinolaryngology |  |
|  |  | Psychiatry |  |
|  |  | Clinical Neurology |  |
|  |  | Geriatrics and Gerontology |  |
|  |  | General and Family Medicine |  |
|  |  | Internal Medicine |  |
|  |  | Integrative and Complementary Medicine |  |
|  |  | Clinical Medicine - Other |  |


| Main Scientific Field | Secondary Scientific Field | Subfield | Evaluation Panel |
| :---: | :---: | :---: | :---: |
| 3 Medical and Health Sciences | 3.3 Health Sciences | Health Care and Services | Clinical Medicine and Health Sciences |
|  |  | Health Services and Policies |  |
|  |  | Nursing |  |
|  |  | Nutrition, Dietetics |  |
|  |  | Public Health and Environmental Health |  |
|  |  | Tropical Medicine |  |
|  |  | Parasitology |  |
|  |  | Epidemiology |  |
|  |  | Occupational Medicine |  |
|  |  | Occupational Health |  |
|  |  | Sports and Fitness Sciences |  |
|  |  | Social Biomedical Sciences |  |
|  |  | Bioethics and History and Philosophy of Medicine |  |
|  |  | Addiction |  |
|  |  | Health Sciences - Other |  |
|  | 3.4 Medical Biotechnology | Health-related Biotechnology | Bioengineering and Biotechnology |
|  |  | Technologies involving the manipulation of Cells, Tissues, Organs or the whole Body |  |
|  |  | Gene-based Diagnose and Therapies |  |
|  |  | Medical Biotechnology Related Ethics |  |
|  |  | Medical Biotechnology - Other |  |
|  | 3.5 Forensic Sciences | Forensic Chemistry and Biochemistry | Clinical Medicine and Health Sciences |
|  |  | Forensic Sciences - Other |  |


| Main Scientific Field | Secondary Scientific Field | Subfield | Evaluation Panel |
| :---: | :---: | :---: | :---: |
| 4 Agricultural Sciences | 4.1 Agriculture, Forestry and Fisheries | Agriculture | Agriculture, Forestry and Fisheries |
|  |  | Forestry |  |
|  |  | Fishery |  |
|  |  | Soil science |  |
|  |  | Horticulture |  |
|  |  | Viticulture |  |
|  |  | Agronomy |  |
|  |  | Plant Production |  |
|  |  | Plant Protection |  |
|  |  | Agriculture, Forestry and Fisheries - Other |  |
|  | 4.2 Animal and Dairy Science | Animal and Dairy Science | Animal and Veterinary Sciences |
|  |  | Livestock Breeding |  |
|  |  | Pets |  |
|  |  | Animal and Dairy Science - Other |  |
|  | 4.3 Veterinary Sciences | Veterinary Science |  |
|  |  | Veterinary Science - Other |  |
|  | 4.4 Agricultural and Food Biotechnology | Agricultural and Food Biotechnology | Agricultural and Food Technologies |
|  |  | Food Security |  |
|  |  | Agricultural Biotechnology Related Ethics |  |
|  |  | Agricultural and Food Biotechnology - Other |  |
|  |  | Cloning of Domestic Animals | Animal and Veterinary Sciences |
|  |  | Biomass Production Technologies | Agriculture, Forestry and Fisheries |号


| Main Scientific Field | Secondary Scientific Field | Subfield | Evaluation Panel |
| :---: | :---: | :---: | :---: |
| 5 Social Sciences | 5.1 Psychology | Criminal Psychology | Psychology |
|  |  | Social and Organizational Psychology |  |
|  |  | Cognitive Psychology and Neuropsychology |  |
|  |  | Clinical Psychology |  |
|  |  | Psychology of Development and Learning |  |
|  |  | Educational Psychology |  |
|  |  | Community and Health Psychology |  |
|  |  | Psychology - Other |  |
|  | 5.2 Economics and Management | Economics | Economics and Management |
|  |  | Management |  |
|  |  | Economics and Management - Other |  |
|  | 5.3 Educational Sciences | General Education | Educational Sciences |
|  |  | Educational Sciences |  |
|  | 5.4 Sociology | Sociology | Sociology |
|  |  | Sociologic Criminology |  |
|  |  | Social Service |  |
|  |  | Sociology - Other |  |
|  |  | Anthropology | Anthropology |
|  |  | Anthropology - Other |  |
|  | 5.5 Law | Public Law | Law |
|  |  | Criminal Law |  |
|  |  | Private Law |  |
|  |  | European and International Law |  |
|  |  | Human Rights |  |
|  |  | Law, Social Sciences and Humanities |  |
|  |  | Law - Other |  |
|  | 5.6 Political Sciences | Political Science | Political Sciences |
|  |  | Military Science |  |
|  |  | Compared Politics |  |
|  |  | Political Theory |  |
|  |  | International Relations |  |
|  |  | Public Policy |  |
|  |  | European Studies |  |
|  |  | Political Sciences - Other |  |
|  | 5.7 Social and Economic Geography | Economic and Social Geography | Social and Economic Geography |
|  |  | Geographic Urbanism |  |
|  |  | Social and Economic Geography - Other |  |
|  | 5.8 Media and Communications | Documental and Information Sciences | Communication and Information Sciences |
|  |  | Journalism and Media |  |
|  |  | Communication and Science Management |  |
|  |  | Media and Communications - Other |  |


| Main Scientific Field | Secondary Scientific Field | Subfield | Evaluation Panel |
| :---: | :---: | :---: | :---: |
| 6 Humanities | 6.1 History and Archaeology | Prehistory and Archaeology | History and Archaeology |
|  |  | Ancient History |  |
|  |  | Medieval History |  |
|  |  | Modern History |  |
|  |  | Contemporary History |  |
|  |  | History of Science and Technology |  |
|  |  | History and Archaeology - Other |  |
|  | 6.2 Languages and Literature | Literature | Literature Studies and Culture Studies |
|  |  | Portuguese Studies |  |
|  |  | Romanic Studies |  |
|  |  | Anglophone Studies |  |
|  |  | Classical Studies |  |
|  |  | Asian and African Studies |  |
|  |  | Germanic Studies |  |
|  |  | Literature Studies and Culture Studies - Other |  |
|  |  | Linguistics | Linguistics |
|  |  | Linguistics - Other |  |
|  | 6.3 Philosophy, Ethics and Religion | Philosophical Anthropology | Philosophy, Ethics and Religion |
|  |  | Epistemology |  |
|  |  | Philosophy of Science |  |
|  |  | Aesthetics and Philosophy of Art |  |
|  |  | Metaphysics and Ontology |  |
|  |  | Philosophy of Religion |  |
|  |  | Logic |  |
|  |  | History of Philosophy |  |
|  |  | Ethics and Political Philosophy |  |
|  |  | Theology |  |
|  |  | Philosophy, Ethics and Religion - Other |  |
|  | 6.4 Arts | Fine Arts | Arts |
|  |  | Musicology |  |
|  |  | Visual Performative Arts (Cinema, Television, Drama, Dance, etc.) |  |
|  |  | Arts - Other |  |
|  |  | History of Art | Museology and History of Art |
|  |  | Conservation and Restoration |  |
|  |  | Museology |  |
|  |  | Museology and Art History - Other |  |
|  |  | Architecture | Design, Architecture and Urbanism |
|  |  | Urbanism and Spatial Planning |  |
|  |  | Design |  |
|  |  | Design, Architecture and Urbanism - Other |  |

PORTUGUESA para a Ciência
e a Tectologia


[^0]:    ${ }^{1}$ Academic organizational unit refers to the department, if the structure of the faculty/school is organized by organizational units of a departmental nature, or to the faculty/school if not.

