



The External Evaluation Report of a Doctoral Study Domain

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I. Introduction¹

This external evaluation report was prepared by an international expert for the Biology Doctoral Study Domain and is part of the periodical evaluation process of Doctoral Study Domains carried out by ARACIS (Romanian Agency for Quality Assurance in Higher Education) at the University of Bucharest (UB).

The Evaluation Panel appointed by ARACIS for the Biology Doctoral Study Domain was composed of three experts:

- Prof. Dr. Lucian Gorgan (Universitatea "Al. I. Cuza" din Iași) – Coordinator;
- Prof. Dr. Roman Volkov ("Yuriy Fedkovych" Chernivtsi National University, Ukraine) - International expert;
- Adriana-Sebastiana Musca (Universitatea de Științe Agricole și Medicină Veterinară din Cluj-Napoca) - PhD student.

The evaluation visit took place from November 17 to November 26, 2021. On the agenda of the visit were the following evaluation activities, which were carried out online via the ARACIS and UB Zoom platforms:



Hour	Evaluation activities
Wednesday, 17.11.2021	
17:00 – 19:00	Online preliminary meeting for discussing main methodological aspects related to the evaluation of doctoral studies
Monday, 22.11.2021	
09:00-09:50	Online preliminary meeting for the preparation and harmonization of evaluation steps, in hybrid mode, of doctoral study domains and IOSUD
10:00-10:50	Online meeting with representatives of the institution and of the Council for Academic Doctoral Studies (CSUD)
12:00-12:50	<u>Doctoral domain 2</u> : Online meeting with the contact person for the doctoral study domain under review and the team who drafted the internal evaluation report
16:00-16:50	<u>Doctoral domain 2</u> : Online meeting with graduates for the respective doctoral study domain
17:00 - 18:00	Online meeting with the Commission for Quality Evaluation and Assurance (CEAC) members/ Quality Assurance Department
Tuesday, 23.11.2021	
09:00 - 09:50	Online meeting with the members of the Ethics Commission
12:00-12:50	<u>Doctoral domain 2</u> : Online meeting with the academic staff corresponding to the doctoral study domain
14:00-14:50	<u>Doctoral domain 2</u> : Online meeting with PhD students
Wednesday, 24.11.2021	
11:00-11:50	<u>Doctoral domain 2</u> : Online meeting with the Directors/ persons in charge of the research centers/laboratories within the doctoral study domain
14:00-14:50	<u>Doctoral domain 2</u> : Online meeting with Doctoral Schools Council (CSD members)
16:00-16:50	<u>Doctoral domain 2</u> : Online meeting with employers of Doctoral graduates in the domain
Thursday, 25.11.2021	
09:00-18:00	Continuation of the doctoral study domain and IOSUD evaluation activities, onsite visit inclusive (Independent evaluation activities ⁱ)
Friday, 26.11.2021	
09:00-11:30	Continuation of the doctoral study domain and IOSUD evaluation activities, onsite visit inclusive (Independent evaluation activities ⁱ)
13:00-14:20	Online meeting for conclusions
14:30-15:30	Meeting with representatives of the institution under review to discuss on the conclusions of the evaluation process and the main recommendations

The PhD program in Biology is managed by the Doctoral School of Biology and, in the case of interdisciplinary dissertations, by the Interdisciplinary School of Doctoral Studies at the University of Bucharest. The Doctoral School of Biology according to art. 2 paragraph (1), from the Regulation on the organization and functioning of a doctoral studies program in biology under the coordination of CUDS organizes academic doctoral studies in the field of Biology for 10 research areas (i.e., cellular and molecular biology, biochemistry, developmental biology, bioinformatics, biophysics, botany, animal and plant physiology, genetics, microbiology, zoology – see p. 6 of the Internal Evaluation Report).



The mission of the Doctoral School of Biology is to train scientific researchers and university teachers, specialists with competencies and skills in all research directions in the field of biology, who can pursue a successful career in scientific research, at universities, in the clinical laboratories, environmental protection and the economy.

The Doctoral School of Biology has 25 PhD supervisors: 16 tenured doctoral supervisors in UDSOI-UB, which amount to 64% of all PhD supervisors, 5 PhD supervisors from outside the University of Bucharest and 4 retired PhD supervisors (see Annex 1).

During the five-year period (2016-2020), 149 PhD students were enrolled in the Doctoral School of Biology, and 81 PhD students obtained a PhD Degree in Biology.

II. Methods used

For the evaluation of the Biology Doctoral Study Domain at the University of Bucharest the international expert analyzed the information obtained from the following sources:

- ✓ The Romanian National Education Law;
- ✓ The Romanian Doctoral Studies Code of June 29th, 2011;
- ✓ The Order 3651 / 2021 related to the Methodology on conducting the evaluation of university doctoral studies and the systems of criteria, standards and performance indicators used in the evaluation;
- ✓ The Code of ethics and rules of conduct in the activities carried out by ARACIS regarding the quality assurance and assessment in higher education in Romania;
- ✓ The Self-Evaluation Report for Doctoral Studies Domain in Biology (the SER, from this point on), including the information presented in Annexes and other complementary documents;
- ✓ Information available on the Doctoral School website;
- ✓ Information obtained during online meetings (see agenda above) with
 - representatives of the institution and of the Council for Academic Doctoral Studies (CSUD);
 - the contact person for the doctoral study domain under review and the team who drafted the internal evaluation report;
 - the academic staff corresponding to the doctoral study domain;
 - the Commission for Quality Evaluation and Assurance (CEAC) members / Quality Assurance Department;
 - Doctoral Schools Council (CSD members)
 - PhD students;
 - the Directors/ persons in charge of the research centers/laboratories within the doctoral study domain;
 - graduates for the respective doctoral study domain;
 - employers of Doctoral graduates;
 - the members of the Ethics Commission;
 - other members of the Evaluation Panel.

International expert did not personally take part in the onsite visit to the institutes, but had access to the photographs taken by other members of the Evaluation Panel.



III. Analysis of ARACIS's performance indicators

Domain A. INSTITUTIONAL CAPACITY

Criterion A.1. The administrative, managerial institutional structures and the financial resources

Standard A.1.1. *The institution organizing doctoral studies (IOSUD) has implemented the effective functioning mechanisms provided for in the specific legislation on the organization of doctoral studies.*

Performance Indicator A.1.1.1. *The existence of specific regulations and their application at the level of the Doctoral School of the respective university doctoral study domain:*

- (a) the internal regulations of the Doctoral School;*
- (b) the Methodology for conducting elections for the position of director of the Council of doctoral school (CSD), as well as elections by the students of their representative in CSD and the evidence of their conduct;*
- (c) the Methodologies for organizing and conducting doctoral studies (for the admission of doctoral students, for the completion of doctoral studies);*
- (d) the existence of mechanisms for recognizing the status of a Doctoral advisor and the equivalence of the doctoral degree obtained abroad;*
- (e) functional management structures (Council of the doctoral school), giving as well proof of the regularity of meetings;*
- (f) the contract for doctoral studies;*
- (g) internal procedures for the analysis and approval of proposals regarding the training for doctoral study programs based on advanced academic studies.*

The indicator A.1.1.1 is fulfilled. The current legal provisions concerning doctoral studies are incorporated in the institutional regulations on the organization and functioning of university PhD studies, adopted by the Senate of the University of Bucharest at the meeting on 20 June 2012.

The activities of the Doctoral School of Biology are regulated by the following methodologies: (1) Institutional Regulations on the Organization and Functioning of Doctoral Program in Biology; (2) Methodology for the organization of admission to doctoral studies; (3) Methodology for completion of doctoral studies.

The recognition of the quality of the doctoral supervisor and the equivalence of the doctoral degree obtained in other countries is carried out according to the "Methodology of automatic recognition, by the University of Bucharest, of doctoral supervisor obtained in accredited foreign university".

The respective regulation can be called up on the website of the UB (www.bio.unibuc.ro) via the links listed in the SER (see pp. 13-15). However, the international expert had problems using the links because the server was not responding.

Performance Indicator A.1.1.2. *The doctoral school' Regulation includes mandatory criteria, procedures and standards binding on the aspects specified in Article 17, paragraph (5) of the Government Decision*



No. 681/2011 on the approval of the Code of Doctoral Studies with subsequent amendments and additions.

The indicator A.1.1.2 is fulfilled. Mandatory criteria, procedures and standards for the issues specified in art. 17 par. (5) of the Doctoral Studies Code are fully implemented in the Institutional Regulations on the Organization and Functioning of Doctoral Program in Biology.

Standard A.1.2. *The IOSUD has the logistical resources necessary to carry out the doctoral studies' mission.*

Performance Indicator A.1.2.1. *The existence and effectiveness of an appropriate IT system to keep track of doctoral students and their academic background.*

The indicator A.1.2.1 is fulfilled.

Performance Indicator A.1.2.2. *The existence and use of an appropriate software program and evidence of its use to verify the percentage of similarity in all doctoral theses.*

The indicator A.1.2.2 is fulfilled. According to the SER (P. 16), every dissertation is checked for text similarities with anti-plagiarism software.

Standard A.1.3. *The IOSUD makes sure that financial resources are used optimally, and the revenues obtained from doctoral studies are supplemented through additional funding besides governmental funding.*

Performance Indicator A.1.3.1. *Existence of at least one research or institutional / human resources development grant under implementation at the time of submission of the internal evaluation file, per doctoral study domain under evaluation, or existence of at least 2 research or institutional development / human resources grant for the doctoral study domain, obtained by doctoral thesis advisors operating in the evaluated domain within the past 5 years. The grants address relevant themes for the respective domain and, as a rule, are engaging doctoral students.*

The indicator A.1.3.1 is fulfilled. In the last 5 years, 10 out of 25 PhD supervisors in the field Biology have acquired and coordinated 23 national and international research grants (see p. 17 of SER and Annex 1.3.1).

Recommendations: Only 40% of PhD supervisors won research grants. I think it is too less. It is highly desirable that every PhD supervisor have at least one research grant that can be used to support PhD students.

Performance Indicator *A.1.3.2. *The percentage of doctoral students active at the time of the evaluation, who for at least six months receive additional funding sources besides government funding, through scholarships awarded by individual persons or by legal entities, or who are financially supported through research or institutional / human resources development grants is not less than 20%.*

The indicator A.1.3.2 is fulfilled. The data provided in the SER (p. 17 and Annex 1.3.2) indicate that only 8 out of the total of 83 (i.e., 9.63%) of the PhD students in the field of Biology have benefited at least 6 month from other funding resources than their scholarship. However, after additional clarification it was found that 30 PhD students out of 125 were involved in research projects which means that the final percent it is 24%. Nevertheless it should be noted that in the interviews with the PhD students, they point



out that the amount of the basic PhD scholarship is clearly insufficient, especially in the capital of the country. Accordingly, additional support from other sources is particularly important.

Recommendations: It is very desirable to further increase the financial support of PhD students from various funding sources.

Performance Indicator *A.1.3.3.² *At least 10% of the total amount of doctoral grants obtained by the university through institutional contracts and of tuition fees collected from the doctoral students enrolled in the paid tuition system is used to reimburse professional training expenses of doctoral students (attending conferences, summer schools, training, programs abroad, publication of specialty papers or other specific forms of dissemination etc.).*

The indicator A.1.3.3 is fulfilled.

Criterion A.2. Research infrastructure

Standard A.2.1. *The IOSUD has a modern research infrastructure to support the conduct of doctoral studies' specific activities.*

Performance Indicator A.2.1.1. *The venues and the material equipment available to the doctoral school enable the research activities in the evaluated domain to be carried out, in line with the assumed mission and objectives (computers, specific software, equipment, laboratory equipment, library, access to international databases etc.). The research infrastructure and the provision of research services are presented to the public through a specific platform. The research infrastructure described above, which was purchased and developed within the past 5 years will be presented distinctly.*

The indicator A.2.1.1 is fulfilled. In the field of Biology, the Faculty of Biology of UB has the necessary premises (e.g. laboratories, lecture halls, etc.), and special facilities that are necessary for the successful completion of the doctoral program. In the last 5 years, 64 facilities have been added to the research infrastructure of the Doctoral School of Biology, which included scientific equipment, laboratory equipment, computers, data and image processing software (see Annex A.2.1.1) The PhD students have full access to the scientific equipment including the necessary assistance from technical staff, which was confirmed during the online meeting. There are also ample opportunities to work with scientific literature, international databases and specialized journals (see p. 20 of SER).

Criterion A.3. Quality of Human Resources

Standard A.3.1. *At the level of each domain there are sufficient qualified staff to ensure the conduct of doctoral study program.*

Performance Indicator A.3.1.1. *Minimum three doctoral thesis advisors within that doctoral domain, and at least 50% of them (but no less than three) meet the minimum standards of the National Council for*

² The indicators marked with an asterisk (*) hold a special status, referring exclusively to the evaluation of doctoral studies domains, as per Article 12 from the annex No.1 of the Order of the minister of education No. 3651/12.04.2021 approving the Methodology for evaluating university doctoral studies and the system of criteria, standards and performance indicators used in the evaluation. In case they are not met, the Agency extends a period of maximum 3 years to IOSUD to correct the respective deficiencies.



Attestation of University Degrees, Diplomas and Certificates (CNATDCU) in force at the time when the evaluation is carried out, which standards are required and mandatory for obtaining the enabling certification.

The indicator is A.3.1.1 fulfilled. There are currently 25 PhD supervisors in the field of Biology, of which 18 (72 %) go beyond the minimum standards set by the the National Council for the Attestation of University Titles, Diplomas and Certificates (NCAUTDC - see p. 20 of SER and Annex A.3.1.1)

Performance Indicator *A.3.1.2. *At least 50% of all doctoral advisors have a full-time employment contract for an indefinite period with the IOSUD.*

The indicator A.3.1.2 is fulfilled. 16 of 25 (80%) PhD supervisors have an employment contract for an indefinite period (see p. 20 of SER and Annex 1).

Performance Indicator A.3.1.3. *The study subjects in the education program based on advanced higher education studies pertaining to the doctoral domain are taught by teaching staff or researchers who are doctoral thesis advisors / certified doctoral thesis advisors, professors / CS I or lecturer / CS II, with proved expertise in the field of the study subjects they teach, or other specialists in the field who meet the standards established by the institution in relation with the aforementioned teaching and research functions, as provided by the law.*

The indicator A.3.1.3 is fulfilled.

Performance Indicator *A.3.1.4. *The percentage of doctoral thesis advisors who concomitantly coordinate more than 8 doctoral students, but no more than 12, who are themselves studying in doctoral programs³ does not exceed 20%.*

The indicator A.3.1.4 is fulfilled - see p. 21 of SER.

Recommendations: Although the indicator is fulfilled, I believe that eighth PhD students per one supervisor simultaneously are too much. I would recommend reducing the number to five or six and completely abolishing the option of supervising more than eight dissertations at the same time.

Standard A.3.2. *The Doctoral advisors within the domain are carrying out a scientific activity visible at international level.*

Performance Indicator A.3.2.1. *At least 50% of the doctoral thesis advisors in the evaluated domain have at least 5 Web of Science- or ERIH-indexed publications in magazines of impact, or other achievements of relevant significance for that domain, including international-level contributions that indicate progress in scientific research - development - innovation for the evaluated domain. The aforementioned doctoral thesis advisors enjoy international awareness within the past five years, consisting of: membership on scientific boards of international publications and conferences; membership on boards of international professional associations; guests in conferences or expert groups working abroad, or membership on doctoral defense commissions at universities abroad or co-leading with universities abroad. For Arts and Sports and Physical Education Sciences, doctoral thesis advisors shall prove their international visibility within the past five years by their membership on the boards of*

³ 3 years for the doctoral university studies with the duration stipulated at Article 159, paragraph (3), respectively 4 years for the doctoral university studies with the duration stipulated at Article 174, paragraph (3) of the Law of national education No.1/2011 with subsequent amendments and additions, with additional extension periods approved as per Article 39, paragraph (3) of the Code of doctoral studies approved by the GD No. 681/2011 with subsequent amendments and additions.



professional associations, membership in organizing committees of arts events and international competitions, membership on juries or umpire teams in artistic events or international competitions.

The indicator A.3.2.1 is fulfilled. All PhD supervisors meet these requirements - see p. 21 of SER and Annex A.3.2.1.

Performance Indicator *A.3.2.2. *At least 50% of the doctoral thesis advisors in a specific doctoral study domain continue to be active in their scientific field, and acquire at least 25% of the score requested by the minimal CNATDCU standards in force at the time of the evaluation, which are required and mandatory for acquiring their enabling certificate, based on their scientific results within the past five years.*

The indicator A.3.2.2 is fulfilled - see p. 21 of SER and Annex A.3.2.2.

Domain B. EDUCATIONAL EFFECTIVENESS

Criterion B.1. The number, quality and diversity of candidates enrolled for the admission contest

Standard B.1.1. *The institution organizing doctoral studies has the capacity to attract candidates from outside the higher education institution or a number of candidates exceeding the number of seats available.*

Performance Indicator *B.1.1.1. *The ratio between the number of graduates of masters' programs of other higher education institutions, national or foreign, who have enrolled for the doctoral admission contest within the past five years and the number of seats funded by the state budget, put out through contest within the doctoral domain is at least 0.2 or the ratio between the number of candidates within the past five years and the number of seats funded by the state budget put out through contest within the doctoral studies domain is at least 1,2.*

The indicator B.1.1.1 is fulfilled.

Note that there is a slight discrepancy between the total number of UB Master's degree graduates shown in Table 4 (111) and in the text of SER, p. 23 (109).

Standard B.1.2 *Candidates admitted to doctoral studies demonstrate academic, research and professional performance.*

Performance Indicator *B.1.2.1. *Admission to doctoral study programs is based on selection criteria including: previous academic, research and professional performance, their interest for scientific or arts/sports research, publications in the domain and a proposal for a research subject. Interviewing the candidate is compulsory, as part of the admission procedure.*

The indicator B.1.2.1 is fulfilled.

Performance Indicator B.1.2.2. *The expelling rate, including renouncement / dropping out of doctoral students 3, respectively 4, years after admission⁴ does not exceed 30%.*

⁴ 3 years for the doctoral university studies with the duration stipulated at Article 159, paragraph (3), respectively 4 years for the doctoral university studies with the duration stipulated at Article 174, paragraph (3) of the Law of national education No. 1/2011 with subsequent amendments and additions.



The indicator B.1.2.2 is fulfilled. From 2016 to 2020, the total number of PhD students who dropped out in the first 3 years of doctoral studies was 6, which is 7.05% of the total number of PhD students during that period - see p. 24 of the SER.

Criterion B.2. The content of doctoral programs

Standard B.2.1. *The training program based on advanced university studies is appropriate to improve doctoral students' research skills and to strengthen ethical behavior in science.*

Performance Indicator B.2.1.1. *The training program based on advanced academic studies includes at least 3 disciplines relevant to the scientific research training of doctoral students; at least one of these disciplines is intended to study in-depth the research methodology and/or the statistical data processing.*

The indicator B.2.1.1 is fulfilled.

Performance Indicator B.2.1.2. *At least one discipline is dedicated to Ethics and Intellectual Property in scientific research or there are well-defined topics on these subjects within a discipline taught in the doctoral program.*

The indicator B.2.1.2 is fulfilled.

Performance Indicator B.2.1.3. *The IOSUD has mechanisms to ensure that the academic training program based on advanced university studies addresses „the learning outcomes”, specifying the knowledge, skills, responsibility and autonomy that doctoral students should acquire after completing each discipline or through the research activities⁵.*

The indicator B.2.1.3 is fulfilled.

Performance Indicator B.2.1.4. *All along the duration of the doctoral training, doctoral students in the domain receive counselling/guidance from functional guidance commissions, which is reflected in written guidance and feedback or regular meeting.*

The indicator B.2.1.4 is fulfilled. The activities of each PhD student are directed by an advisory panel composed of three researchers. The supervisor decides on the members of this panel after consulting the PhD student - see p. 26 of the SER and Annex B.2.1.4.

Performance Indicator B.2.1.5. *For a doctoral study domain, the ratio between the number of doctoral students and the number of teaching staff/researchers providing doctoral guidance must not exceed 3:1.*

The indicator B.2.1.5 is fulfilled.

⁵ Or by what the graduate should know, understand and to be able to do, according to the provisions of the Methodology of 17 March 2017 regarding inscription and registration of higher education qualifications in the National Register of Qualifications in Higher Education (RNCIS) approved by the Order No.3475/2017 with subsequent amendments and additions.



Criterion B.3. The results of doctoral studies and procedures for their evaluation.

Standard B.3.1. *Doctoral students capitalize on the research through presentations at scientific conferences, scientific publications, technological transfer, patents, products and service orders.*

Performance Indicator B.3.1.1. *For the evaluated domain, the evaluation commission will be provided with at least one paper or some other relevant contribution per doctoral student who has obtained a doctor's title within the past 5 years. From this list, the members of the evaluation commission shall randomly select 5 such papers / relevant contributions per doctoral study domain for review. At least 3 selected papers must contain significant original contributions in the respective domain.*

The indicator B.3.1.1 is fulfilled. According to the SER (p. 27 and Annex B.3.1.1), 81 PhD students who defended their theses in the period 2016-2020 published 131 articles in prestigious ISI journals with an impact factor or indexed in international databases. The papers of PhD students are posted on the web page of the doctoral school. However, the international expert had problems using the presented link because the server was not responding.

Performance Indicator *B.3.1.2. *The ratio between the number of presentations of doctoral students who completed their doctoral studies within the evaluated period (past 5 years), including posters, exhibitions made at prestigious international events (organized in the country or abroad) and the number of doctoral students who have completed their doctoral studies within the evaluated period (past 5 years) is at least 1.*

The indicator B.3.1.2 is fulfilled. The ratio amounts to 1.29, i.e., it is above the minimum requirement - see the SER (p. 27) and Annex B.3.1.2.

Standard B.3.2. *The Doctoral School engages a significant number of external scientific specialists in the commissions for public defense of doctoral theses in the analyzed domain.*

Performance Indicator *B.3.2.1. *The number of doctoral theses allocated to one specialist coming from a higher education institution, other than the evaluated IOSUD should not exceed two (2) in a year for the theses coordinated by the same doctoral thesis advisor.*

The indicator B.3.2.1 is fulfilled.

Performance Indicator *B.3.2.2. *The ratio between the doctoral theses allocated to one scientific specialist coming from a higher education institution, other than the institution where the defense on the doctoral thesis is organized, and the number of doctoral theses presented in the same doctoral study domain in the doctoral school should not exceed 0.3, considering the past five years. Only those doctoral study domains in which minimum ten doctoral theses have been presented within the past five years should be analyzed.*

The indicator B.3.2.2 is fulfilled. The ratio is 0.06 over the past 5 years - see the SER (p. 28) and Annex B.3.2.2.



Domain C. QUALITY MANAGEMENT

Criterion C.1. Existence and periodic implementation of the internal quality assurance system

Standard C.1.1. *There are an institutional framework and procedures in place and relevant internal quality assurance policies, applied for monitoring the internal quality assurance.*

Performance Indicator C.1.1.1. *The Doctoral school in the respective university study domain shall demonstrate the continuous development of the evaluation process and its internal quality assurance following a procedure developed and applied at the level of the IOSUD, the following assessed criteria being mandatory:*

- (a) the scientific work of Doctoral advisors;*
- (b) the infrastructure and logistics necessary to carry out the research activity;*
- (c) the procedures and subsequent rules based on which doctoral studies are organized;*
- d) the scientific activity of doctoral students;*
- e) the training program based on advanced academic studies of doctoral students;*
- f) social and academic services (including for participation at different events, publishing papers etc.) and counselling made available to doctoral students.*

The indicator C.1.1.1 is fulfilled.

Performance Indicator *C.1.1.2. *Mechanisms are implemented during the stage of the doctoral study program to enable feedback from doctoral students allowing to identify their needs, as well as their overall level of satisfaction with the doctoral study program in order to ensure continuous improvement of the academic and administrative processes. Following the analysis of the results, there is evidence that an action plan was drafted and implemented.*

The indicator C.1.1.2 is fulfilled. During online meetings, the doctoral students and graduates confirmed their satisfaction with the doctoral program.

Criterion C.2. Transparency of information and accessibility of learning resources

Standard C.2.1. *Information of interest to doctoral students, future candidates and public interest information is available for electronic format consultation.*

Performance Indicator C.2.1.1. *The IOSUD publishes on the website of the organizing institution, in compliance with the general regulations on data protection, information such as:*

- (a) the Doctoral School regulation;*
- (b) the admission regulation;*
- (c) the doctoral studies contract;*
- (d) the study completion regulation including the procedure for the public presentation of the thesis;*
- (e) the content of training program based on advanced academic studies;*



(f) the academic and scientific profile, thematic areas/research themes of the Doctoral advisors within the domain, as well as their institutional contact data;

(g) the list of doctoral students within the domain with necessary information (year of registration; advisor);

(h) information on the standards for developing the doctoral thesis;

(i) links to the doctoral theses' summaries to be publicly presented and the date, time, place where they will be presented; this information will be communicated at least twenty days before the presentation.

The indicator C.2.1.1 is fulfilled. According to the SER (p. 33), the required information can be found on the website of the Doctoral School of Biology. However, the international expert had problems using the presented link because the server was not responding.

Recommendations: I recommend improving the quality of the internet connection to the Doctoral School of Biology website.

Standard C.2.2. *The IOSUD/The Doctoral School provides doctoral students with access to the resources needed for conducting doctoral studies.*

Performance Indicator C.2.2.1. *All doctoral students have free access to one platform providing academic databases relevant to the doctoral studies domain of their thesis.*

The indicator C.2.2.1 is fulfilled - see the SER (p. 34-35).

Performance Indicator C.2.2.2. *Each doctoral student shall have access, upon request, to an electronic system for verifying the degree of similarity with other existing scientific or artistic works.*

The indicator C.2.2.2 is fulfilled - see the SER (p. 35).

Performance Indicator C.2.2.3. *All doctoral students have access to scientific research laboratories or other facilities depending on the specific domain/domains within the Doctoral School, according to internal order procedures.*

The indicator C.2.2.3 is fulfilled. All PhD students have full access to the scientific equipment including the necessary assistance from technical staff, which was confirmed during the online meetings with the PhD students and graduates.

Criterion C.3. Internationalization

Standard C.3.1. *There is a strategy in place and it is applied to enhance the internationalization of doctoral studies.*

Performance Indicator *C.3.1.1. *IOSUD, for every evaluated domain, has concluded mobility agreements with universities abroad, with research institutes, with companies working in the field of study, aimed at the mobility of doctoral students and academic staff (e.g., ERASMUS agreements for the doctoral studies). At least 35% of the doctoral students have completed a training course abroad or other mobility forms such as attending international scientific conferences. IOSUD drafts and applies policies and measures aiming at increasing the number of doctoral students participating at mobility periods abroad, up to at least 20%, which is the target at the level of the European Higher Education Area.*



The indicator C.3.1.1 is fulfilled.

Recommendations: Taking into account the current pandemic situation, it is recommended to develop new forms of international cooperation for PhD students.

Performance Indicator C.3.1.2. *In the evaluated doctoral study domain, support is granted, including financial support, to the organization of doctoral studies in international co-tutelage or invitation of leading experts to deliver courses/lectures for doctoral students.*

The indicator C.3.1.2 is fulfilled - see the SER (p. 38-39).

Recommendations: According to the SER, two foreign professors were involved as co-supervisors in the PhD program of the Doctoral School of Biology. I think that's not enough. I recommend making efforts to increase the number of PhD dissertations supervised in collaboration with foreign experts.

Performance Indicator C.3.1.3. *The internationalization of activities carried out during the doctoral studies is supported by IOSUD through concrete measures (e.g., by participating in educational fairs to attract international doctoral students; by including international experts in guidance committees or doctoral committees etc.).*

The indicator C.3.1.3 is fulfilled.

IV. SWOT Analysis

Strengths:

- the strengths identified throughout the report will be resumed as part of the indicators' analysis. Other general strengths that do not fall within a particular indicator may be formulated.
- **Good research facilities, equipment and infrastructure.**

Opportunities:

- possible lines of action for the development of

Weaknesses:

- the weaknesses identified throughout the report will be resumed as part of the indicators' analysis. Other general weaknesses that do not fall within a particular indicator may be formulated.
- **The basic funding (scholarships) and additional financial support for doctoral students is insufficient.**
- **Too many PhD students are coordinated by the same supervisor; an important step towards improving the situation can be the inclusion of young scientists with excellent research achievements in the supervisor pool.**
- **Interaction and collaboration with stakeholders representing the industry is insufficient; experts from industry / medicine / pharmaceuticals can be invited as co-supervisors of doctoral students.**

Threats:

- the possible causes of the deficient aspects



the institution under review shall be identified;
 - examples of opportunities: a favorable economic environment in the proximity of the assessed institution, the uniqueness of the study programs and their relevance to the local/national market, the overall attractiveness of the study programs etc.

- **The support of doctoral students can be improved by developing cooperation with industry.**

- **Relatively low cost of living in Romania compared to other EU countries make Bucharest an attractive place to study for PhD students from abroad.**

(the causes of the identified weaknesses), which are practically the threats to the proper functioning of the institution, shall be identified;

- besides, there may be external threats, such as: the inopportune economic environment in the proximity of the assessed institution, the conduct of low attractiveness study programs for both candidates and the labor market etc.

- **A low basic scholarship could make it difficult to attract good candidates for doctoral studies.**

- **High fees for publication in open access journals limit the possibility of publication of results for doctoral students who do not receive funding from a research project; additional sources of funding should be found.**

V. Overview of judgments awarded and of the recommendations

No.	Type of indicator (PI, PI *, CPI)	Performance indicator	Judgment	Recommendations
1.	PI	<p>A.1.1.1. The existence of specific regulations and their application at the level of the Doctoral School of the respective university doctoral study domain:</p> <p>a) the internal regulations of the Doctoral School;</p> <p>b) the Methodology for conducting elections for the position of director of the Council of doctoral school (CSD), as well as elections by the students of their representative in CSD and the evidence of their conduct;</p> <p>c) the Methodologies for organizing and conducting doctoral studies (for the admission of doctoral students, for the completion of doctoral studies);</p> <p>d) the existence of mechanisms for recognizing the status of a Doctoral advisor and the equivalence of the doctoral degree obtained abroad;</p> <p>e) functional management structures (Council of the doctoral school), giving as well proof of the regularity of meetings;</p>	fulfilled	

No.	Type of indicator (PI, PI *, CPI)	Performance indicator	Judgment	Recommendations
		f) the contract for doctoral studies; g) internal procedures for the analysis and approval of proposals regarding the training for doctoral study programs based on advanced academic studies.		
2.	PI	A.1.1.2. The doctoral school' Regulation includes mandatory criteria, procedures and standards binding on the aspects specified in Article 17, paragraph (5) of the Government Decision No. 681/2011 on the approval of the Code of Doctoral Studies with subsequent amendments and additions.	fulfilled	
3.	PI	A.1.2.1. The existence and effectiveness of an appropriate IT system to keep track of doctoral students and their academic background.	fulfilled	
4.	PI	A.1.2.2. The existence and use of an appropriate software program and evidence of its use to verify the percentage of similarity in all doctoral theses.	fulfilled	
5.	IP	A.1.3.1. Existence of at least one research or institutional / human resources development grant under implementation at the time of submission of the internal evaluation file, per doctoral study domain under evaluation, or existence of at least 2 research or institutional development / human resources grant for the doctoral study domain, obtained by doctoral thesis advisors operating in the evaluated domain within the past 5 years. The grants address relevant themes for the respective domain and, as a rule, are engaging doctoral students.	fulfilled	Only 40% of PhD supervisors won research grants. I think it is too less. It is highly desirable that each of PhD supervisors have at least one research grant that can be used to support PhD students.
6.	PI *	A.1.3.2. The percentage of doctoral students active at the time of the evaluation, who for at least six months receive additional funding sources besides government funding, through scholarships awarded by individual persons or by legal entities, or who are financially supported through research or institutional / human resources development grants is not less than 20%.	fulfilled	It is very desirable to further increase the financial support of PhD students from various funding sources.
7.	PI *	A.1.3.3. At least 10% of the total amount of doctoral grants obtained by the university	fulfilled	

No.	Type of indicator (PI, PI *, CPI)	Performance indicator	Judgment	Recommendations
		through institutional contracts and of tuition fees collected from the doctoral students enrolled in the paid tuition system is used to reimburse professional training expenses of doctoral students (attending conferences, summer schools, training, programs abroad, publication of specialty papers or other specific forms of dissemination etc.).		
8.	CPI	A.2.1.1. The venues and the material equipment available to the doctoral school enable the research activities in the evaluated domain to be carried out, in line with the assumed mission and objectives (computers, specific software, equipment, laboratory equipment, library, access to international databases etc.). The research infrastructure and the provision of research services are presented to the public through a specific platform. The research infrastructure described above, which was purchased and developed within the past 5 years will be presented distinctly	fulfilled	
9.	CPI	A.3.1.1. Minimum three doctoral thesis advisors within that doctoral domain, and at least 50% of them (but no less than three) meet the minimum standards of the National Council for Attestation of University Degrees, Diplomas and Certificates (CNATDCU) in force at the time when the evaluation is carried out, which standards are required and mandatory for obtaining the enabling certification.	fulfilled	
10.	PI *	A.3.1.2. At least 50% of all doctoral advisors have a full-time employment contract for an indefinite period with the IOSUD.	fulfilled	
11.	PI	A.3.1.3. The study subjects in the education program based on advanced higher education studies pertaining to the doctoral domain are taught by teaching staff or researchers who are doctoral thesis advisors / certified doctoral thesis advisors, professors / CS I or lecturer / CS II, with proved expertise in the field of the study subjects they teach, or other specialists in the field who meet the standards established by the institution in relation with	fulfilled	

No.	Type of indicator (PI, PI *, CPI)	Performance indicator	Judgment	Recommendations
		the aforementioned teaching and research functions, as provided by the law.		
12.	PI *	A.3.1.4. The percentage of doctoral thesis advisors who concomitantly coordinate more than 8 doctoral students, but no more than 12, who are themselves studying in doctoral programs does not exceed 20%.	fulfilled	Although the indicator is fulfilled, I believe that eighth PhD students per one supervisor simultaneously are too much. I would recommend reducing the number to five or six and completely abolishing the option of supervising more than eight dissertations at the same time.
13.	CPI	A.3.2.1. At least 50% of the doctoral thesis advisors in the evaluated domain have at least 5 Web of Science- or ERIH-indexed publications in magazines of impact, or other achievements of relevant significance for that domain, including international-level contributions that indicate progress in scientific research - development - innovation for the evaluated domain. The aforementioned doctoral thesis advisors enjoy international awareness within the past five years, consisting of: membership on scientific boards of international publications and conferences; membership on boards of international professional associations; guests in conferences or expert groups working abroad, or membership on doctoral defense commissions at universities abroad or co-leading with universities abroad. For Arts and Sports and Physical Education Sciences, doctoral thesis advisors shall prove their international visibility within the past five years by their membership on the boards of professional associations, membership in organizing committees of arts events and international competitions, membership on juries or umpire teams in artistic events or international competitions.	fulfilled	
14.	PI *	A.3.2.2. At least 50% of the doctoral thesis advisors in a specific doctoral study domain continue to be active in their scientific field, and acquire at least 25% of the score requested by the minimal CNATDCU standards in force at the time of the evaluation, which are required and mandatory for acquiring their enabling certificate, based on their scientific results within the past five	fulfilled	

No.	Type of indicator (PI, PI *, CPI)	Performance indicator	Judgment	Recommendations
		years		
15.	PI *	B.1.1.1. The ratio between the number of graduates of masters' programs of other higher education institutions, national or foreign, who have enrolled for the doctoral admission contest within the past five years and the number of seats funded by the state budget, put out through contest within the doctoral domain is at least 0.2 or the ratio between the number of candidates within the past five years and the number of seats funded by the state budget put out through contest within the doctoral studies domain is at least 1,2.	fulfilled	
16.	PI *	B.1.2.1. Admission to doctoral study programs is based on selection criteria including: previous academic, research and professional performance, their interest for scientific or arts/sports research, publications in the domain and a proposal for a research subject. Interviewing the candidate is compulsory, as part of the admission procedure.	fulfilled	
17.	PI	B.1.2.2. The expelling rate, including renouncement / dropping out of doctoral students 3, respectively 4, years after admission does not exceed 30%.	fulfilled	
18.	PI	B.2.1.1. The training program based on advanced academic studies includes at least 3 disciplines relevant to the scientific research training of doctoral students; at least one of these disciplines is intended to study in-depth the research methodology and/or the statistical data processing.	fulfilled	
19.	PI	B.2.1.2. At least one discipline is dedicated to Ethics and Intellectual Property in scientific research or there are well-defined topics on these subjects within a discipline taught in the doctoral program.	fulfilled	
20.	PI	B.2.1.3. The IOSUD has mechanisms to ensure that the academic training program based on advanced university studies addresses „the learning outcomes”, specifying the knowledge, skills, responsibility and	fulfilled	

No.	Type of indicator (PI, PI *, CPI)	Performance indicator	Judgment	Recommendations
		autonomy that doctoral students should acquire after completing each discipline or through the research activities.		
21.	PI	B.2.1.4. All along the duration of the doctoral training, doctoral students in the domain receive counselling/guidance from functional guidance commissions, which is reflected in written guidance and feedback or regular meeting.	fulfilled	
22.	CPI	B.2.1.5. For a doctoral study domain, the ratio between the number of doctoral students and the number of teaching staff/researchers providing doctoral guidance must not exceed 3:1.	fulfilled	
23.	CPI	B.3.1.1. For the evaluated domain, the evaluation commission will be provided with at least one paper or some other relevant contribution per doctoral student who has obtained a doctor's title within the past 5 years. From this list, the members of the evaluation commission shall randomly select 5 such papers / relevant contributions per doctoral study domain for review. At least 3 selected papers must contain significant original contributions in the respective domain	fulfilled	
24.	PI *	B.3.1.2. The ratio between the number of presentations of doctoral students who completed their doctoral studies within the evaluated period (past 5 years), including posters, exhibitions made at prestigious international events (organized in the country or abroad) and the number of doctoral students who have completed their doctoral studies within the evaluated period (past 5 years) is at least 1.	fulfilled	
25.	PI *	B.3.2.1. The number of doctoral theses allocated to one specialist coming from a higher education institution, other than the evaluated IOSUD should not exceed two (2) in a year for the theses coordinated by the same doctoral thesis advisor.	fulfilled	
26.	PI *	B.3.2.2. The ratio between the doctoral theses allocated to one scientific specialist coming	fulfilled	

No.	Type of indicator (PI, PI *, CPI)	Performance indicator	Judgment	Recommendations
		<p>from a higher education institution, other than the institution where the defense on the doctoral thesis is organized, and the number of doctoral theses presented in the same doctoral study domain in the doctoral school should not exceed 0.3, considering the past five years. Only those doctoral study domains in which minimum ten doctoral theses have been presented within the past five years should be analyzed.</p>		
27.	PI	<p>C.1.1.1. The Doctoral school in the respective university study domain shall demonstrate the continuous development of the evaluation process and its internal quality assurance following a procedure developed and applied at the level of the IOSUD, the following assessed criteria being mandatory:</p> <ul style="list-style-type: none"> a) the scientific work of Doctoral advisors; b) the infrastructure and logistics necessary to carry out the research activity; c) the procedures and subsequent rules based on which doctoral studies are organized; d) the scientific activity of doctoral students; e) the training program based on advanced academic studies of doctoral students; f) social and academic services (including for participation at different events, publishing papers etc.) and counselling made available to doctoral students. 	fulfilled	
28.	PI *	<p>C.1.1.2. Mechanisms are implemented during the stage of the doctoral study program to enable feedback from doctoral students allowing to identify their needs, as well as their overall level of satisfaction with the doctoral study program in order to ensure continuous improvement of the academic and administrative processes. Following the analysis of the results, there is evidence that an action plan was drafted and implemented.</p>	fulfilled	
29.	CPI	<p>C.2.1.1. The IOSUD publishes on the website of the organizing institution, in compliance with the general regulations on data protection, information such as:</p> <ul style="list-style-type: none"> a) the Doctoral School regulation; b) the admission regulation; c) the doctoral studies contract; 	fulfilled	I recommend improving the quality of the internet connection to the Doctoral School of Biology website.

No.	Type of indicator (PI, PI *, CPI)	Performance indicator	Judgment	Recommendations
		<p>d) the study completion regulation including the procedure for the public presentation of the thesis;</p> <p>e) the content of training program based on advanced academic studies;</p> <p>f) the academic and scientific profile, thematic areas/research themes of the Doctoral advisors within the domain, as well as their institutional contact data;</p> <p>g) the list of doctoral students within the domain with necessary information (year of registration; advisor);</p> <p>h) information on the standards for developing the doctoral thesis;</p> <p>i) links to the doctoral theses' summaries to be publicly presented and the date, time, place where they will be presented; this information will be communicated at least twenty days before the presentation.</p>		
30.	PI	C.2.2.1. All doctoral students have free access to one platform providing academic databases relevant to the doctoral studies domain of their thesis.	fulfilled	
31.	PI	C.2.2.2. Each doctoral student shall have access, upon request, to an electronic system for verifying the degree of similarity with other existing scientific or artistic works.	fulfilled	
32.	PI	C.2.2.3. All doctoral students have access to scientific research laboratories or other facilities depending on the specific domain/domains within the Doctoral School, according to internal order procedures.	fulfilled	
33.	PI *	C.3.1.1. IOSUD, for every evaluated domain, has concluded mobility agreements with universities abroad, with research institutes, with companies working in the field of study, aimed at the mobility of doctoral students and academic staff (e.g., ERASMUS agreements for the doctoral studies). At least 35% of the doctoral students have completed a training course abroad or other mobility forms such as attending international scientific conferences. IOSUD drafts and applies policies and measures aiming at increasing the number of doctoral students participating at mobility	fulfilled	Taking into account the current pandemic situation, it is recommended to develop new forms of international cooperation for PhD students.

No.	Type of indicator (PI, PI *, CPI)	Performance indicator	Judgment	Recommendations
		periods abroad, up to at least 20%, which is the target at the level of the European Higher Education Area.		
34.	PI	C.3.1.2. In the evaluated doctoral study domain, support is granted, including financial support, to the organization of doctoral studies in international co-tutelage or invitation of leading experts to deliver courses/lectures for doctoral students.	fulfilled	According to the SER, two foreign professors were involved as co-supervisors in the PhD program of the Doctoral School of Biology. I think that's not enough. I recommend making efforts to increase the number of PhD dissertations supervised in collaboration with foreign experts.
35.	PI	C.3.1.3. The internationalization of activities carried out during the doctoral studies is supported by IOSUD through concrete measures (e.g., by participating in educational fairs to attract international doctoral students; by including international experts in guidance committees or doctoral committees etc.).	fulfilled	

The recommendations contained in the report shall be resumed in the indicators' analysis. Other general recommendations may be made that do not fit within a particular indicator.

VERY IMPORTANT!!! – *Each identified weakness must be correlated with at least one recommendation to improve the situation!*



VI. Conclusions and general recommendations

Several important issues raised during the evaluation are resumed and some general conclusions are drawn on the quality of the education provided within the doctoral study domain under review; the Experts' Panel also presents general assessments about the institution. Other general recommendation may also be presented, which cannot be related to a specific indicator and have not been presented at point V.

A decision is proposed, together with the reasons for granting it (if the Experts' Panel members do not reach a consensus, each of them can propose and argue his/her own decision).

Based on the analysis of all available information during the evaluation of the Biology Doctoral Study Domain at the University of Bucharest, the international expert came to the following conclusions and recommendations:

- 1) The training of the doctoral students at the School is carried out by the team of highly qualified supervisors with international research achievements. In order to ensure the effective execution of the experimental part of dissertations, good research facilities, equipment and infrastructure are available. All this leads to a high level of training. However, only 40% of PhD supervisors have received research grants in the past five years. Accordingly, it is highly recommended that every PhD supervisor have a research grant. In order to further improve the quality of the education it is also desirable to reduce the number of students per supervisor.
- 2) Doctoral students receive PhD scholarships and financial support from research project funds during their studies. However, the average student income appears to be insufficient. In the future, a low basic scholarship could make it difficult to attract good candidates for doctoral studies.
- 3) Strengthening collaboration with industry, medical and pharmaceutical stakeholders will help resolve these issues and further improve the quality of the program.

Taking together, the analysis showed that the Biology Doctoral Study Domain at the University of Bucharest has good results from the doctoral program and **fulfills the required indicators**. Accordingly, the Biology Doctoral Study Domain can be **evaluated positively**.

Prof. Dr. Roman VOLKOV

"Yuriy Fedkovych" Chernivtsi National University,
Chernivtsi, Ukraine



VII. Annexes

The following types of documents shall be attached:

- *The detailed schedule of the evaluation visit – MANDATORY.*
- *The survey questionnaire applied to doctoral students or academic staff in the doctoral study domain under review, the results - optional (e.g., in graphic form) and their interpretation - if applicable.*
- *Scanned documents – any document requested from the IOSUD during the evaluation visit and received, which is not found in the internal evaluation file received before the visit and referred to in the report.*
- *Pictures – if relevant issues are raised regarding the condition of the student residences, cafeterias, premises for teaching and learning activities, library etc.*
- *Screenshots/Print screens of the Doctoral School/IOSUD website proving specific claims in the report, accompanied by the date when they were accessed and saved.*
- *Any other documents relevant to the evaluation process referred to in the report.*



ROMANIAN AGENCY FOR QUALITY ASSURANCE IN HIGHER EDUCATION

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ÎNTÂLNIRE PRELIMINARA/ PRELIMINARY MEETING

Programul de evaluare IOSUD și a domeniilor de studii universitare de doctorat
a **Universității din București (UB)**

*The timetable for the evaluation of IOSUD and doctoral study domains
at the **University of Bucharest (UB)***

Intervalul orar/ Hour	Activități de evaluare/ <i>Evaluation activities</i>	Participanți/ <i>Participants</i>
Miercuri/ <i>Wednesday</i>, 17.11.2021		
17:00 – 19:00	Întâlnire preliminară online pentru discutarea principalelor aspecte metodologice legate de activitatea de evaluare a studiilor universitare de doctorat <i>Online preliminary meeting for discussing main methodological aspects related to the evaluation of doctoral studies</i> Link întâlnire ZOOM (ARACIS) / Meeting link ZOOM platform (by ARACIS): LINK	Comisiile de evaluare pentru IOSUD și domenii de doctorat <i>IOSUD & doctoral domains evaluation panels</i>

Programul de evaluare IOSUD și a domeniilor de studii universitare de doctorat
a **Universității din București (UB)**

*The timetable for the evaluation of IOSUD and doctoral study domains
at the **University of Bucharest (UB)***

Perioada de derulare a evaluării / *The evaluation period: 22-26.11.2021*

Intervalul orar/ Hour	Activități de evaluare/ <i>Evaluation activities</i>	Participanți/ <i>Participants</i>
Luni/ <i>Monday, 22.11.2021</i>		
09:00-09:50	<p>Întâlnire preliminară online pentru pregătirea și armonizarea etapelor de evaluare, în modul mixt, la nivel de domenii de doctorat și IOSUD <i>Online preliminary meeting for the preparation and harmonization of evaluation steps, in hybrid mode, of doctoral study domains and IOSUD</i></p> <p>Link întâlnire ZOOM (ARACIS) / Meeting link ZOOM platform (by ARACIS): LINK</p>	<p>Comisiile de evaluare pentru IOSUD și domenii de doctorat <i>IOSUD & doctoral domains evaluation panels</i></p>
10:00-10:50	<p>Întâlnirea online a comisiei de experți evaluatori cu reprezentanții conducerii universității și ai CSUD <i>Online meeting with representatives of the institution and of the Council for Academic Doctoral Studies (CSUD)</i></p> <p>Link întâlnire ZOOM (UB) / Meeting link ZOOM platform (by UB) : LINK</p>	<p>Comisiile de evaluare pentru IOSUD și domenii de doctorat <i>IOSUD & doctoral domains evaluation panels</i></p> <ul style="list-style-type: none"> - reprezentanți ai conducerii <i>representatives of the University's management</i> - reprezentanți ai CSUD și ai școlii/școlilor doctorale <i>representatives of the CSUD and of the Doctoral School/Schools</i> - persoana de contact IOSUD/domenii doctorale <i>the contact person for IOSUD/ doctoral domains</i>

<p>11:00- 11:50</p>	<p>Domeniu doctorat 1: Întâlnire online a comisiei de experți evaluatori cu responsabilul domeniului de studii universitare de doctorat evaluat și cu echipa care a realizat raportul de evaluare internă <i>Doctoral domain 1: Online meeting with the contact person for the doctoral study domain under review and the team who drafted the internal evaluation report</i></p> <p>Linkuri întâlniri ZOOM (UB) / Meeting links ZOOM platform (by UB):</p> <p>Matematică / Mathematics LINK Informatică / Informatics LINK Chimie / Chemistry LINK Fizică / Physics LINK Geografie / Geography LINK</p> <p>Geologie / Geology LINK Știința mediului / Environmental Science LINK Studii culturale / Cultural Studies LINK Psihologie / Psychology LINK Teologie / Theology LINK</p>	<p>- Comisiile de evaluare domeniului de doctorat <i>Doctoral domains evaluation panels</i></p> <p>- responsabilul domeniului de studii universitare de doctorat evaluat și echipa care a realizat raportul de evaluare internă <i>The doctoral studies domain contact person and the team who drafted the internal evaluation report</i></p>
<p>12:00- 12:50</p>	<p>Domeniu doctorat 2: Întâlnire online a comisiei de experți evaluatori cu responsabilul domeniului de studii universitare de doctorat evaluat și cu echipa care a realizat raportul de evaluare internă <i>Doctoral domain 2: Online meeting with the contact person for the doctoral study domain under review and the team who drafted the internal evaluation report</i></p> <p>Linkuri întâlniri ZOOM (UB) / Meeting links ZOOM platform (by UB):</p> <p>Sociologie / Sociology LINK Științe politice / Political Science LINK Drept / Law LINK Științe ale educației / Education Sciences LINK Filologie / Philology LINK</p> <p>Filosofie / Philosophy LINK Istorie / History LINK Științe ale comunicării / Communication Sciences LINK Biologie / Biology LINK</p>	<p>- Comisiile de evaluare domeniului de doctorat <i>Doctoral domains evaluation panels</i></p> <p>- responsabilul domeniului de studii universitare de doctorat evaluat și echipa care a realizat raportul de evaluare internă <i>The doctoral studies domain contact person and the team who drafted the internal evaluation report</i></p>



<p>13:00-13:50</p>	<p>IOSUD: Întâlnire online cu directorul CSUD/directorii școlilor doctorale din IOSUD supus procesului de evaluare și cu echipa care a realizat raportul de evaluare internă <u>IOSUD:</u> <i>Online meeting with the director of CSUD/ directors of doctoral schools and the team who drafted the internal evaluation report</i> Link întâlnire ZOOM (UB) / Meeting link ZOOM platform (by UB) : LINK</p>	<p>- Comisia de evaluare IOSUD <i>IOSUD evaluation panel</i></p> <p>- reprezentanți ai CSUD și ai școlii/școlilor doctorale/IOSUD <i>representatives of CSUD and of doctoral school(s)/IOSUD</i></p>
<p>14:00-14:50</p>	<p>IOSUD: Întâlnire online a comisiei de evaluare cu reprezentanți ai absolvenților IOSUD <u>IOSUD:</u> <i>Online meeting with IOSUD graduates</i> Link întâlnire ZOOM (UB) / Meeting link ZOOM platform (by UB) : LINK</p>	<p>- Comisia de evaluare IOSUD <i>IOSUD evaluation panel</i></p> <p>- reprezentanți ai absolvenților <i>representatives of doctoral graduates</i></p>
<p>15:00-15:50</p>	<p><u>Domeniu doctorat 1:</u> Întâlnire online a comisiei de evaluare cu reprezentanți ai absolvenților domeniului <u>Doctoral domain 1:</u> <i>Online meeting with graduates for the respective doctoral study domain</i> Linkuri întâlniri ZOOM (UB) / Meeting links ZOOM platform (by UB): Matematică / Mathematics LINK Geologie / Geology LINK Informatică / Informatics LINK Știința mediului / Environmental Science LINK Chimie / Chemistry LINK Studii culturale / Cultural Studies LINK Fizică / Physics LINK Psihologie / Psychology LINK Geografie / Geography LINK Teologie / Theology LINK</p>	<p>- Comisiile de evaluare domeniilor de doctorat <i>Doctoral domains evaluation panels</i></p> <p>- reprezentanți ai absolvenților <i>representatives of doctoral graduates</i></p>
<p>16:00-16:50</p>	<p><u>Domeniu doctorat 2:</u> Întâlnire online a comisiei de evaluare cu reprezentanți ai absolvenților domeniului <u>Doctoral domain 2:</u> <i>Online meeting with graduates for the respective doctoral study domain</i> Linkuri întâlniri ZOOM (UB) / Meeting links ZOOM platform (by UB): Sociologie / Sociology LINK Filosofie / Philosophy LINK</p>	<p>- Comisiile de evaluare domeniilor de doctorat <i>Doctoral domains evaluation panels</i></p> <p>- reprezentanți ai absolvenților <i>representatives of doctoral graduates</i></p>



	Științe politice / Political Science LINK Drept / Law LINK Științe ale educației / Education Sciences LINK Filologie / Philology LINK	Istorie / History LINK Științe ale comunicării / Communication Sciences LINK Biologie / Biology LINK	
17:00 - 18:00	<p>Întâlnire online cu membrii Comisiei pentru Evaluarea și Asigurarea Calității (CEAC)/ Departamentul de asigurare a calității <i>Online meeting with the Commission for Quality Evaluation and Assurance (CEAC) members/ Quality Assurance Department</i></p> <p>Link întâlnire ZOOM (UB) / Meeting link ZOOM platform (by UB) : LINK</p>		<p>- Comisiile de evaluare pentru IOSUD și domeniul de doctorat <i>IOSUD&doctoral domains evaluation panels</i></p> <p>- reprezentanți ai CEAC/Departament AC <i>representatives of Commission for Quality Evaluation and Assurance (CEAC)/ Quality Assurance Department</i></p>
Marți/ Tuesday, 23.11.2021			
09:00 - 09:50	<p>Întâlnire online cu membrii Comisiei de Etică a universității <i>Online meeting with the members of the Ethics Commission</i></p> <p>Link întâlnire ZOOM (UB) / Meeting link ZOOM platform (by UB) : LINK</p>		<p>- Comisiile de evaluare pentru IOSUD și domeniul de doctorat <i>IOSUD&doctoral domains evaluation panels</i></p> <p>-membrii Comisiei de Etică <i>Ethics Commission members</i></p>
10:00 - 10:50	<p><u>IOSUD</u>: Întâlnire online a comisiei de experți evaluatori cu personalul didactic aferent școlilor doctorale din IOSUD <i>IOSUD: Online meeting with IOSUD academic staff</i></p> <p>Link întâlnire ZOOM (UB) / Meeting link ZOOM platform (by UB) : LINK</p>		<p>- Comisia de evaluare pentru IOSUD <i>IOSUD evaluation panel</i></p> <p>- cadre didactice cu titlul de conducător de doctorat <i>Doctoral coordinators</i></p>
11:00- 11:50	<p><u>Domeniu doctorat 1</u>: Întâlnire online a comisiei de experți evaluatori cu personalul didactic aferent domeniului evaluat <i>Doctoral domain 1: Online meeting with the academic staff corresponding to the doctoral study domain</i></p>		<p>- Comisiile de evaluare domeniul de doctorat <i>Doctoral domains evaluation panels</i></p>



	<p>Linkuri întâlniri ZOOM (UB) / Meeting links ZOOM platform (by UB):</p> <p>Matematică / Mathematics LINK Geologie / Geology LINK</p> <p>Informatică / Informatics LINK Știința mediului / Environmental Science LINK</p> <p>Chimie / Chemistry LINK Studii culturale / Cultural Studies LINK</p> <p>Fizică / Physics LINK Psihologie / Psychology LINK</p> <p>Geografie / Geography LINK Teologie / Theology LINK</p>	<p>- cadre didactice cu titlul de conducător de doctorat <i>Doctoral coordinators</i></p>
<p>12:00- 12:50</p>	<p><u>Domeniu doctorat 2</u>: Întâlnire online a comisiei de experți evaluatori cu personalul didactic aferent domeniului evaluat <i>Doctoral domain 2: Online meeting with the academic staff corresponding to the doctoral study domain</i></p> <p>Linkuri întâlniri ZOOM (UB) / Meeting links ZOOM platform (by UB):</p> <p>Sociologie / Sociology LINK Filosofie / Philosophy LINK</p> <p>Științe politice / Political Science LINK Istorie / History LINK</p> <p>Drept / Law LINK Științe ale comunicării / Communication Sciences LINK</p> <p>Științe ale educației / Education Sciences LINK Biologie / Biology LINK</p> <p>Filologie / Philology LINK</p>	<p>- Comisiile de evaluare domeniului de doctorat <i>Doctoral domains evaluation panels</i></p> <p>- cadre didactice cu titlul de conducător de doctorat <i>Doctoral coordinators</i></p>
<p>13:00- 13:50</p>	<p><u>Domeniu doctorat 1</u>: Întâlnire online a comisiei de evaluare cu studentii doctoranzi <i>Doctoral domain 1: Online meeting with PhD students</i></p> <p>Linkuri întâlniri ZOOM (ARACIS) / Meeting links ZOOM platform (by ARACIS):</p> <p>Matematică / Mathematics LINK Geologie / Geology LINK</p> <p>Informatică / Informatics LINK Știința mediului / Environmental Science LINK</p> <p>Chimie / Chemistry LINK Studii culturale / Cultural Studies LINK</p> <p>Fizică / Physics LINK Psihologie / Psychology LINK</p> <p>Geografie / Geography LINK Teologie / Theology LINK</p>	<p>- Comisiile de evaluare domeniului de doctorat <i>Doctoral domains evaluation panels</i></p> <p>- studentii doctoranzi <i>PhD students</i></p>

14:00-14:50	<p><u>Domeniu doctorat 2:</u> Întâlnire online a comisiei de evaluare cu studentii doctoranzi Doctoral domain 2: Online meeting with PhD students</p> <p>Linkuri întâlniri ZOOM (ARACIS) / Meeting links ZOOM platform (by ARACIS):</p> <p>Sociologie / Sociology LINK Filosofie / Philosophy LINK Științe politice / Political Science LINK Istorie / History LINK Drept / Law LINK Științe ale comunicării / Communication Sciences LINK Științe ale educației / Education Sciences LINK Biologie / Biology LINK Filologie / Philology LINK</p>	<p>- Comisiile de evaluare domenii de doctorat <i>Doctoral domains evaluation panels</i></p> <p>- studenții doctoranzi <i>PhD students</i></p>
15:00-15:50	<p><u>IOSUD:</u> Întâlnire online a comisiei de evaluare cu studentii doctoranzi IOSUD: Online meeting with PhD students</p> <p>Link întâlniri ZOOM (ARACIS) / Meeting link ZOOM platform (by ARACIS): LINK</p>	<p>- Comisia de evaluare IOSUD <i>IOSUD evaluation panel</i></p> <p>- studenții doctoranzi / <i>PhD students</i></p>
16:00-16:50	<p>Întâlnire tehnică online, pentru identificarea aspectelor specifice care trebuie clarificate, dacă este cazul, pe parcursul vizitei la fața locului <i>Online technical meeting to identify specific issues that need to be clarified, if necessary, during the on-site visit</i></p> <p>Link întâlniri ZOOM (ARACIS) / Meeting link ZOOM platform (by ARACIS): LINK</p>	<p>Comisiile de evaluare pentru IOSUD și domenii de doctorat <i>IOSUD&doctoral domains evaluation panels</i></p>
<p style="text-align: center;">Miercuri/ <i>Wednesday</i>, 24.11.2021</p>		
09:00-09:50	<p><u>IOSUD:</u> Întâlnire online cu directorii/responsabilii centrelor/laboratoarelor de cercetare IOSUD IOSUD: Online meeting with the Directors/ persons in charge of the research centers/laboratories within IOSUD</p> <p>Link întâlnire ZOOM (UB) / Meeting link ZOOM platform (by UB) : LINK</p>	<p>- Comisia de evaluare IOSUD <i>IOSUD evaluation panel</i></p> <p>- directorii centrelor/ laboratoarelor de cercetare <i>Directors of the research centers/laboratories</i></p>

<p>10:00-10:50</p>	<p><u>Domeniu doctorat 1:</u> Întâlnire online cu directorii/responsabilii centrelor/laboratoarelor de cercetare aferente domeniului de studii universitare de doctorat <i>Doctoral domain 1: Online meeting with the Directors/ persons in charge of the research centers/laboratories within the doctoral study domain</i></p> <p>Linkuri întâlniri ZOOM (UB) / Meeting links ZOOM platform (by UB):</p> <p>Matematică / Mathematics LINK Informatică / Informatics LINK Chimie / Chemistry LINK Fizică / Physics LINK Geografie / Geography LINK</p> <p>Geologie / Geology LINK Știința mediului / Environmental Science LINK Studii culturale / Cultural Studies LINK Psihologie / Psychology LINK Teologie / Theology LINK</p>	<p>- Comisiile de evaluare domeniului de doctorat <i>Doctoral domains evaluation panels</i></p> <p>- directorii centrelor/ laboratoarelor de cercetare <i>directors of research centers/laboratories</i></p>
<p>11:00-11:50</p>	<p><u>Domeniu doctorat 2:</u> Întâlnire online cu directorii/responsabilii centrelor/laboratoarelor de cercetare aferente domeniului de studii universitare de doctorat <i>Doctoral domain 2: Online meeting with the Directors/ persons in charge of the research centers/laboratories within the doctoral study domain</i></p> <p>Linkuri întâlniri ZOOM (UB) / Meeting links ZOOM platform (by UB):</p> <p>Sociologie / Sociology LINK Științe politice / Political Science LINK Drept / Law LINK Științe ale educației / Education Sciences LINK Filologie / Philology LINK</p> <p>Filosofie / Philosophy LINK Istorie / History LINK Științe ale comunicării / Communication Sciences LINK Biologie / Biology LINK</p>	<p>- Comisiile de evaluare domeniului de doctorat <i>Doctoral domains evaluation panels</i></p> <p>- directorii centrelor/ laboratoarelor de cercetare <i>directors of research centers/laboratories</i></p>



12:00 12:50	<p>– IOSUD: Întâlnire online cu membrii Consiliului Studiilor Universitare de Doctorat al IOSUD în cadrul cărora funcționează domeniile evaluate and director of doctoral schools <i>Online meeting with Doctoral University Studies Council (CSUD)</i></p> <p>Link întâlnire ZOOM (UB) / Meeting link ZOOM platform (by UB): LINK</p>	<p>Comisia de evaluare pentru IOSUD <i>IOSUD evaluation panel</i></p> <p>-membrii CSUD <i>CSUD's members & directors of doctoral schools</i></p>
13:00 13:50	<p>– <u>Domeniu doctorat 1:</u> Întâlnire online cu membrii Consiliului școlii doctorale (CSD) în cadrul cărora funcționează domeniul evaluat <i>Doctoral domain 1: Online meeting with Doctoral Schools Council (CSD members)</i></p> <p>Link întâlnire ZOOM (UB) / Meeting link ZOOM platform (by UB): LINK</p> <p>Matematică / Mathematics LINK Geologie / Geology LINK Informatică / Informatics LINK Știința mediului / Environmental Science LINK Chimie / Chemistry LINK Studii culturale / Cultural Studies LINK Fizică / Physics LINK Psihologie / Psychology LINK Geografie / Geography LINK Teologie / Theology LINK</p>	<p>Comisia de evaluare domeniu <i>Domain evaluation panel</i></p> <p>- membrii comisiei de experți evaluatori domeniu <i>members of domain evaluation panel</i></p> <p>-membrii CSD / <i>CSD's members</i></p>
14:00- 14:50	<p><u>Domeniu doctorat 2:</u> Întâlnire online cu membrii Consiliului școlii doctorale (CSD) în cadrul cărora funcționează domeniul evaluat <i>Doctoral domain 2: Online meeting with Doctoral Schools Council (CSD members)</i></p> <p>Linkuri întâlniri ZOOM (UB) / Meeting links ZOOM platform (by UB):</p> <p>Sociologie / Sociology LINK Filosofie / Philosophy LINK Științe politice / Political Science LINK Istorie / History LINK Drept / Law LINK Științe ale comunicării / Communication Sciences LINK Științe ale educației / Education Sciences LINK Biologie / Biology LINK Filologie / Philology LINK</p>	<p>Comisia de evaluare domeniu <i>Domain evaluation panel</i></p> <p>- membrii comisiei de experți evaluatori domeniu <i>members of domain evaluation panel</i></p> <p>-membrii CSD / <i>CSD's members</i></p>

<p>15:00-15:50</p>	<p><u>Domeniu doctorat 1:</u> Întâlnire online a comisiei de evaluare cu reprezentanți ai angajatorilor absolvenților domeniului <i>Doctoral domain 1: Online meeting with employers of Doctoral graduates in the domain</i></p> <p>Linkuri întâlniri ZOOM (UB) / Meeting links ZOOM platform (by UB):</p> <p>Matematică / Mathematics LINK Geologie / Geology LINK Informatică / Informatics LINK Știința mediului / Environmental Science LINK Chimie / Chemistry LINK Studii culturale / Cultural Studies LINK Fizică / Physics LINK Psihologie / Psychology LINK Geografie / Geography LINK Teologie / Theology LINK</p>	<p>- Comisiile de evaluare domeniului de doctorat <i>Doctoral domains evaluation panels</i></p> <p>- reprezentanți ai angajatorilor <i>employers' representatives</i></p>
<p>16:00-16:50</p>	<p><u>Domeniu doctorat 2:</u> Întâlnire online a comisiei de evaluare cu reprezentanți ai angajatorilor absolvenților domeniului <i>Doctoral domain 2: Online meeting with employers of Doctoral graduates in the domain</i></p> <p>Linkuri întâlniri ZOOM (UB) / Meeting links ZOOM platform (by UB):</p> <p>Sociologie / Sociology LINK Filosofie / Philosophy LINK Științe politice / Political Science LINK Istorie / History LINK Drept / Law LINK Științe ale comunicării / Communication Sciences LINK Științe ale educației / Education Sciences LINK Biologie / Biology LINK Filologie / Philology LINK</p>	<p>- Comisiile de evaluare domeniului de doctorat <i>Doctoral domains evaluation panels</i></p> <p>- reprezentanți ai angajatorilor <i>employers' representatives</i></p>
<p>17:00-17:50</p>	<p><u>IOSUD:</u> Întâlnire online a comisiei de evaluare cu reprezentanți ai angajatorilor absolvenților <i>IOSUD: Online meeting with employers of doctoral graduates</i></p> <p>Link întâlnire ZOOM (UB) / Meeting link ZOOM platform (by UB) : LINK</p>	<p>- Comisia de evaluare IOSUD <i>IOSUD evaluation panel</i></p> <p>- reprezentanți ai angajatorilor <i>employers' representatives</i></p>



Joi/ <i>Thursday</i> , 25.11.2021		
09:00-18:00	<p>Continuarea activităților de evaluare a domeniilor de studii universitare de doctorat și IOSUD, inclusiv vizita la fața locului. (Se lucrează separat.)</p> <p><i>Continuation of the doctoral study domain and IOSUD evaluation activities, onsite visit inclusive (Independent evaluation activities¹)</i></p>	<p>Comisiile de evaluare pentru IOSUD și domenii de doctorat</p> <p><i>IOSUD&doctoral domains evaluation panels</i></p>
Vineri/ <i>Friday</i> , 26.11.2021		
09:00-11:30	<p>Continuarea activităților de evaluare a domeniilor de studii universitare de doctorat și IOSUD, inclusiv vizita la fața locului. (Se lucrează separat.)</p> <p><i>Continuation of the doctoral study domain and IOSUD evaluation activities, onsite visit inclusive (Independent evaluation activities¹)</i></p>	<p>Comisiile de evaluare pentru IOSUD și domenii de doctorat</p> <p><i>IOSUD&doctoral domains evaluation panels</i></p>
13:00-14:20	<p>Întâlnire online pentru concluzii / <i>Online meeting for conclusions</i></p> <p>Link întâlnire ZOOM (ARACIS) / Meeting link ZOOM platform (by ARACIS) : LINK</p>	<p>Comisiile de evaluare pentru IOSUD și domenii de doctorat</p> <p><i>IOSUD&doctoral domains evaluation panels</i></p>
14:30-15:30	<p>Întâlnire finală online în vederea prezentării principalelor constatări rezultate în urma evaluării la nivel de domenii de doctorat și IOSUD și a recomandărilor de îmbunătățire a calității</p> <p><i>Meeting with representatives of the institution under review to discuss on the conclusions of the evaluation process and the main recommendations</i></p> <p>Link întâlnire ZOOM (UB) / Meeting link ZOOM platform (by UB) : LINK</p>	<p>Comisiile de evaluare pentru IOSUD și domenii de doctorat</p> <p><i>IOSUD&doctoral domains evaluation panels</i></p> <p>- reprezentanții universității <i>university's representatives</i></p>