

The External Evaluation Report of a Doctoral Study Domain

Contents

I. Introduction

II. Methods used

III. Analysis of performance indicators

IV. SWOT Analysis

V. Overview of judgments awarded and of the Recommendations

VI. Conclusions and general Recommendations

VII. Annexes

I. Introduction

In this chapter, the following shall be summarized:

- *the context in which this external evaluation report was drafted (the type of evaluation, the period of the evaluation visit, the composition of the Experts Committee etc.);*
- *details about the doctoral school(s) of which the doctoral domain under review is part (number of doctoral advisors, number of students, institutional context, short history etc.);*
- *details about the doctoral study domain under review (number of students, institutional context, short history etc.).*

The evaluation of the doctoral study domains of the "Dunarea de Jos" University of Galati was during 12-16.07.2021. Due to the pandemic the main activities were organised online over developed schedule of meetings with key representatives from the domain. (Annex 1)

The team for the Mechanical engineering doctoral school was:

- Coordinator – prof. Biriş Sorin-Stefan, Universitatea Politehnică din Bucuresti
- International expert – prof. Djidrov Mishko, Goce Delcev University - Stip, N. Macedonia
- Student - Ilie Lavinia, Universitatea Maritimă Constanța

The site visit was organised on 15.07.2021 where prof. Biriş Sorin-Stefan visited the university and meet the professors from the doctoral school.

“Dunărea de Jos” University of Galați (UDJG) is the most important state higher education institution in the South-East of Romania. It is established in 1948 as Land Improvement Institute that later during the history with establishment, merging and transforming of institutes became “Dunarea de Jos” University of Galati by Government Decision of 4th January 1991.

Currently at UDJG there are 14 faculties that prepare students for the tree cycles studies in various fields (technical, socio-human, economic, artistic, health) and it has around 700 professors (internet sources), 12.500 domestic students and more than 2500 international students (Self-evaluation report).



The doctoral studies are carried out in 16 doctoral fields (Mechanical engineering, Industrial engineering, Food product engineering, Biotechnologies, System engineering, Electrical engineering, Computers and information technology, Materials engineering, Engineering and management in agriculture and rural development, Chemistry, Medicine, Philology, History, Management, Economics, Sports and physical education science), under the coordination of 106 doctoral supervisors. (Self-evaluation report)

ARACIS graded the university as "High degree of trust" in 2008, 2013 and 2018 and in 2011, UDJG was classified in the category of universities of education and scientific research (OM 5262/2011). (Self-evaluation report)

The School for Doctoral Studies of Engineering (SDIMI) within UDJG was among the first School for Doctoral Studies formed at UDJG. In its current form, The School for Doctoral Studies of Mechanical and Industrial Engineering (SDIMI) was established on May 21, 2017, when the two doctoral fields Mechanical Engineering and Industrial Engineering were separated.

II. Methods used

This chapter will contain the methods and tools used in the external evaluation process, before and during the evaluation visit, including at least:

- *The analysis of the internal evaluation report of the doctoral study domain under review and its Annexes;*
- *The analysis of documents made available by the IOSUD, in physical format, during the evaluation visit (if such documents have been requested);*
- *The analysis of documents, data and information available on the IOSUD/Doctoral School(s) website, in electronic format;*
- *Visiting the buildings included in the institution's property, comprising (indicative and non-exhaustive list, which shall be changed according to the context):*
 - *classrooms;*
 - *laboratories;*
 - *the institution's library;*
 - *research centers;*
 - *the Career Counselling and Guidance Center;*
 - *lecture halls for students;*
 - *the student residences;*
 - *the student cafeteria;*
 - *sports ground etc.;*
- *Meeting/discussions with doctoral students in the doctoral study domain under review;*
- *Meeting/Discussions with the graduates of the doctoral study domain under review;*
- *Meeting/Discussions with employers of the graduates in the doctoral study domain under review;*
- *Meeting/Discussions with the school officials of the Doctoral School(s) in which the doctoral study domain under review is operating;*
 - *Meeting/Discussions with the doctoral advisors in the doctoral study domain under review;*
 - *Meeting/discussions with the representatives of the various structures of the IOSUD/Doctoral School(s) in which the doctoral study domain under review is operating;*



- *The Council of the Doctoral School, the University Senate, the Board of Directors, the Quality Assessment and Assurance Commission, the Quality Assurance Department, the Ethics Commission (including with the student representatives of these structures);*
 - *the Career Counselling and Guidance Center;*
 - *student organizations;*
 - *secretariats;*
 - *various departments/administrative offices (Social/Student residences-Cafeterias etc.);*
- *Application of questionnaires to doctoral students or academic staff in the doctoral study domain under review.*

For the process of evaluating the doctoral study domain the starting point of the evaluation was analysis of the Self-assessment report about the domain. The structure and the elements well enough define the doctoral domain. On 82 pages the domain is explained over general information section including information about the intuitional capacity and mission and objectives of the domain. The process of teaching, learning and evaluation is explained and information on human, material, and financial resources is presented. The internal quality assurance system is presented, and all key information are presented necessary for the specific standards, indicators, and criteria to be met.

Since the international evaluators were only working online and no visit was conducted, the documents that were analysed were presented in an electronic form on the cloud service site and send by email. All presented documents were more than sufficient for the purpose of the evaluation.

The meeting/discussions were organised online on Zoom platform in a timely manner basing on the greed time frame of work. The meeting/discussions all were opened with few information from who are we meeting and then most of the participants represented their position or relation to the doctoral domain. After that open discussion was encouraged with questions asked by the evaluators. Easily the discussion was developed in an open conversation that leded to clarification of many key points.

For the meeting with PhD students questionnaire was prepared but the results were not shared.

There were not organised online meetings with Career Counselling and Guidance Center, student organisation, secretariats and other administrative offices like Social/Student Residences-Cafeterias etc. Student Residences-Cafeterias were seen as part of the visit.

All analysis of the presented data and documents are part of the performance indicators section.

III. Analysis of ARACIS's performance indicators

Domain A. INSTITUTIONAL CAPACITY

The "Dunărea de Jos" University of Galați is the most important institution of higher education in the South-East of Romania. It undertakes the mission of generating and transferring knowledge to society through:

a) initial and further training at undergraduate and postgraduate level, for the purpose of personal development, the employability of the individual and meeting the competence need of the socio-economic environment;

b) scientific research, development, innovation and technological transfer, through individual and collective creation, in the fields of science, engineering, economics, arts, letters, humanities, medical sciences, legal sciences, by ensuring performance and physical and sports development, as well as capitalizing on and disseminating their results.

This shows that the university has defined key objectives dedicated to this indicator. This is even more detailed defined in the Self-assessment report, on university, faculty and doctoral domain level.

There is a strategic plan on level of the university for the period 2021 – 2024 that is approved by the senate with Decision 4/12.01.2021 and it defines the university's strategic objectives for the period. (Self-evaluation report p. 15)

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

The doctoral study domains work is framed in the following normative acts:

- Strategic plan for the development of the schools for doctoral studies and of IOSUD-DJUG (Senate Decision 150/29.10.2020)

All proposed objectives are in full accordance with the Rector's management plan and with the University Charter. The strategic plan of the doctoral school defines these strategic objectives:

- Defining excellence and innovation as distinctive features of doctoral studies;
- Interdisciplinary collaboration within the schools for doctoral studies of IOSUD-DJUG;
- Internationalization of the doctoral activities of IOSUD-DJUG;
- Accreditation of the schools for doctoral studies of IOSUD-DJUG and establishing new doctoral fields in relation with the dynamics of the main directions in DJUG.

All work is also done in line with:

- Law of National Education No 1/2011, with subsequent amendments and additions
- Code of Doctoral Studies approved in Romanian Government Decision No. 681 of 29 June 2011
- Government Emergency Ordinance no. 75/2005 on Quality Assurance of Education.

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.

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself

- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

The CSUD-IOSUD periodically approves the Regulation for the operation of School for Doctoral Studies. (<https://www.ugal.ro/studii/doctorat/scoli-doctorale/scoala-doctorala-de-inginerie-mecanica-si-industriala>)

a) the internal regulations of the Doctoral School;

The Doctoral studies in Mechanical Engineering are organised in accordance with the provisions of the Code of Doctoral Studies (GD no. 684/2011) and of the Regulation on the organization and development of doctoral studies on university fields.

UDJG has a regulation of ethics and academic integrity that has clear practices and enforcement mechanisms and provides ways to monitor compliance.

There are documents supporting the existence of regulations, for example: <http://www.ugal.ro/studii/doctorat/scoli-doctorale> and information in Annex A.1.1.1 on the cloud service, but all information is in Romanian language.

There is information on the English version of the internet site: <http://www.en.ugal.ro/education/study-programmes/doctoral-studies/regulations-and-procedures-phd>

Most of the information for the regulations of the Doctoral School was gathered from the different meetings. Through different meetings it was established that there are regulations for the work of the doctoral school.

The graduated students at the students that are part of university now, also stated that they have clear regulations that they are aware of, and they didn't have any surprises in some regulation changes.

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;

There is a Methodology regarding the organization and development of the process of selection and selection of the management structures of the School for Doctoral Studies from IOSUD that is adopted by the University Senate. This is essential for establishing the Council for doctoral studies (CSUD) of IOSUD-UDJG.



On the Romanian version of the university's website, <https://ugal.ro/informatii/informatii-utile/alegeri-conducere/concurs-public-pentru-functia-de-director-al-consiliului-studiilor-universitare-de-doctorat-csud> there is an information related to the development of the Public Competition for the position of Director of the Doctoral Studies Council (CSUD).

Throughout the meetings with students the question for the elections by the students of their representative in CSD was asked and they informed us that this is clearly defined and processed.

- c) *the Methodologies for organizing and conducting doctoral studies (for the admission of doctoral students, for the completion of doctoral studies);*

There is procedure for admission of students for doctoral studies presented in Methodology regarding the organization and development of the admission to the third cycle of university doctoral studies: https://www.ugal.ro/files/hotarari/hs/2020/hotarare_senat_74_2020_Anexa1_MetodAdmitereDoctorat_20-2021.pdf

The completion of doctoral studies is done according to the Regulation on the organization and development of the completion of doctoral studies within the Schools for Doctoral Studies of IOSUD-DJUG. Also, the public presentation of the doctoral thesis is made in accordance with the Code of doctoral studies (HG no. 681/2011, HG no. 134/2016 for amending and supplementing the Code of doctoral studies), the Methodology regarding the public support of the doctoral thesis at IOSUD - DJUG, Procedure for organizing and developing the public meeting to present the doctoral thesis in DJUG and the Procedure for online presentation of doctoral theses in DJUG.

There is a clear selection criterion for admission of candidates which include: the academic, research and professional performance of candidates, their interest in scientific research, publications in the field and a proposal research topic. The interview with the applicant is a mandatory part of the admission procedure.

The number of places available for each year are defined by the Ministry of education and on those doctoral school there is great interest and the number of interested students is twice bigger than the number defined by the ministry.

- d) *the existence of mechanisms for recognizing the status of a Doctoral advisor and the equivalence of the doctoral degree obtained abroad;*

There are mechanisms for recognition of degree obtained in university institutions accredited abroad with the Methodology regarding the automatic recognition by "Dunărea de Jos" University of Galați of the quality of doctoral supervisor, adopted by the Senate Resolution number 142 on November 29, 2018, drawn up according to the Order on the recognition of the quality of doctoral supervisor, issued by the Ministry of National Education and Scientific Research number 5921 on December 06, 2016. This is presented with links to the files in the self-evaluation report.

- e) *functional management structures (Council of the doctoral school), giving proof of the regularity as well of meetings;*

From the meetings and from the information in the self-evaluation report there are functional management structures of the Schools for Doctoral Studies of IOSUD-DJUG. They are established based on the Methodology regarding the organization and execution of the process of selecting and electing the management structures of the Doctoral Schools from IOSUD – "Dunărea de Jos" University of Galați, according to the Calendar of the process for organizing and executing the selection and election the management structures of the Doctoral Schools from IOSUD – "Dunărea de Jos" University of Galați. There is information and link to files related to this in the self-evaluation report and on the cloud service.

f) *the contract for doctoral studies;*

As presented in the self-evaluation report, all doctoral student sign at the beginning of each academic year the Contract for doctoral studies. It defines the activities during the doctoral studies of the doctoral student, the activities of the Individual Program of doctoral studies, regulating the relations between the University, the doctoral student and the doctoral supervisor, specifying the rights and obligations of the signatory parties, in accordance with the legislation in force.

There are also details on the duration of the contract, the language in which the doctoral thesis is written and presented, the chosen research topic, the rights and obligations of the school, the doctoral student and the doctoral supervisor, the conditions under which the extension is made and the end of the study contract.

There is information regarding the conflict resolution between the doctoral student and the school for doctoral studies. All of this is presented in self-evaluation report and in the annexes in the cloud service.

There were not comments from the students regarding this document.

g) *internal procedures for the analysis and approval of proposals regarding the training for doctoral study programs based on advanced academic studies.*

In the self-evaluation report it is written that the structure and content of the advanced university training program are established by the school for doctoral studies, based on the proposals of the doctoral supervisors. It is also clearly stated that the school ensures free and unrestricted access to the advanced training program for all doctoral students within the school for doctoral studies or from other.

It is also written that the doctoral study programs include the training program based on advanced university studies and Individual scientific research program. This is defined in Code of doctoral studies, CHAPTER II The training program based on advanced university studies and the scientific research program, Art. 59.

All our meetings with the students, graduated PhD students and professors and Doctoral school members, helped us to see the internal procedures for the analysis and approval of proposals.

They have a questionnaire for employers that help them define new content of study programmes that is a very good way of engaging key stakeholders in the education.

Recommendations: /

The indicator is fulfilled

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.*

- *description of the facts, the findings from the assessed institution's documents and the evaluation visit itself*
- *analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself*

The key documents are presented in the documents on the cloud service in **Anexa A.1.1.2** folder. All information presented in the self-evaluation report and information gathered from the meetings support the regulation defined documents.

Article 17, paragraph (5)	Evaluation Findings*
a) acceptance of new thesis supervisors and the manner whereby a thesis supervisor may be excluded from the doctoral school;	Self-evaluation report states this - CSD and CSUD propose mandatory criteria, procedures and standards aimed at changing the doctoral supervisor of a certain doctoral student and the conflict mediation procedures (art. 3.17 paragraph 5). And, CSD may approve the change of the doctoral supervisor if the non-fulfilment of the legal or contractual obligations. (art. 3.30).
b) mechanisms for deciding on the adequacy, make-up and contents of the advanced university studies programme;	There is an internal mechanism through which study programs are initiated, approved, monitored and evaluated, including doctoral programs. (Self-evaluation report page 44)
c) procedures for replacing a doctoral student's thesis supervisor and conflict mediation procedures;	There is information for this indicator in the self-evaluation report on page 26 - CSD and CSUD propose mandatory criteria, procedures and standards aimed at changing the doctoral supervisor of a certain doctoral student and conflict mediation procedures (art. 3.17 paragraph 5).
d) conditions for interrupting a doctoral programme;	CSD and CSUD propose mandatory criteria, procedures and standards for the conditions under which the doctoral program may be interrupted (art. 3.18). Self-evaluation report page 26.
e) means for preventing research fraud, including plagiarism;	This is well defined in The Regulations of the School for Doctoral Studies, Code of Ethics and Professional Ethics of University.
f) providing access to research resources;	They have projects that give access to research resources. Over the meetings we gathered different information regarding this measure.
g) doctoral students' attendance requirements, based on a methodology developed by the Ministry of Education, Research, Youth and Sports.	Students get credits based on attendance of the university courses. Defined on page 52 in self-evaluation report.

*All annexes are in Romanian language. Basic google translation was used to analyse all the criteria. Meetings helped a lot in the evaluation.

Recommendations: /

The indicator is fulfilled.

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.*

- *description of the facts, the findings from the assessed institution's documents and the evaluation visit itself*
- *analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself*

There is an IT system intended to record the activity of doctoral students and their academic background at IOSUD UDJG. It is presented in the self-evaluation report on pages 27-30.

Recommendations: *probably the system can produce a list of PhD students and topic of research and all that information can be available to the employers. This will help to have insight in the research and establish a connection during the studies.*

The indicator 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.*

- *description of the facts, the findings from the assessed institution's documents and the evaluation visit itself*
- *analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself*

At the university there is a software system for plagiarism detection named SISTEMANTIPLAGIAT.RO. This is an online tool dedicated to checking all documents with sources in the University's own database (archived documents), in the databases of others Universities (based on the declaration of mutual exchange of databases), internet resources.

They have defined minimum standards expressed in percentage for sources and text.

There is a procedure for addressing this indicator and it is presented in the self-evaluation report on page 31.

During the meetings we were informed that they had very little examples of similarities in doctoral thesis.

Recommendations: /

The indicator is fulfilled.

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.*

As defined in the documents and explained in the self-evaluation report, UDJG has sufficient short-term (annually) and medium-term (three years) sources of funding and financial resources allocated for the proper accomplishment of the mission and objectives defined. All of this is defined in financial policy over development plans of the material base and investments, supported by the existence of financial reserves and diversified sources of financing.

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.*

- *description of the facts, the findings from the assessed institution's documents and the evaluation visit itself*

- *analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself*

Grants are essential element for boosting the research and they much related to the ability of doctoral supervisors to attract and find additional financial resources. As stated in the self-evaluation report for the evaluated period the doctoral supervisors attracted additional funds through research-development-innovation grants, institutional development or human resources, financed following an international / national competition. Here is information for the extra grants available for PhD students:

- Academic excellence and entrepreneurial values - scholarship system to ensure opportunities for training and development of entrepreneurial skills of doctoral and postdoctoral students – ANTREPRENORDOC. The project runs from 2019-2022 and has a budget of: total value: 6,974,500 lei, non-reimbursable eligible value from FEDR/FC/FSE/ILMT – 5.923.862, 54 lei, the non-reimbursable eligible amount from the national budget – 912.197,46 lei, the amount of eligible co-financing of the Beneficiary – 138.440 lei.

- EMSHIP + program (2011-2018), Prof.Dr.Eng. Lungu Adrian and Prof.Dr.Eng. Leonard Domnișoru were involved. No information of the grand amount.

- REMARC project (2017-2019), Prof. dr .ing. RUSU EUGEN-VICTOR-CRISTIAN. Contract no. 28/2017, financed by the Executive Unit for the Financing of Higher Education, Research, Development and Innovation (UEFISCDI). Budget: 787,500 lei.

- ACCWA project (2017-2019, Prof.Dr.Eng. Rusu Liliana. Contract no. 28/2017, financed by the Executive Unit for the Financing of Higher Education, Research, Development and Innovation (UEFISCDI). Budget: 787,500 lei.

- DA-SPACE program (2017-2019), coordinated by "Dunarea de Jos" University of Galati by Prof.Dr.Eng. Popescu Florin, was a financing instrument of the European Territorial Cooperation (ETC). Budget in Euro: Total: 1787166.5.

- The CNFIS-FDI-2016-0022 program Electronic Platform for Student Activity Management and Follow-up Studies (EPSAMFS), coordinated by Dna Prof dr. ing. Elena MEREUȚĂ, with the implementation period 01.07.2016 - 31.12.2016, had a budget of 96,000 lei.

Recommendations: /

The indicator is fulfilled.

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%.*

- *description of the facts, the findings from the assessed institution's documents and the evaluation visit itself*
- *analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself*

From the analysis of annexes available on the cloud system and from the meetings organises during the evaluation, I can say that there were few projects that included PhD students.

- ExcelDOC and PERFORM projects, where 7 PhD benefited from scholarships and 2 PhD students in the PERFORM project.

- In the summary table it is written 7 total students – not 9 like in the text.
- Projects co-financed by the European Social Fund through the HUMAN CAPITAL OPERATIONAL PROGRAM 2014-2020, which provides other sources of funding than government funding,
 - Not clear how many students benefited from it.
- Project ANTREPRENORDOC
 - Not clear how many students benefited from it.
- Project Be Antreprenor!
 - Not clear how many students benefited from it.
- Project EAVAP
 - also not clear how many students benefited from it.
- Project EXPERT where 4 students benefited from the project
 - In the summary table it is stated only for 3 students.

Overall, the total number of doctoral students enrolled in the period 2015-2020 in the field of Mechanical engineering is 104. From the summary table presented in the self-evaluation report 27 doctoral students benefited from funding from sources other than government funding, that gives the percentage of 26% that more than needed of 20% that is defined in this indicator.

The summary table states 23 and the real summary is 21! (still more than 20% for the indicator)

The interpretation of how many students benefited from each project can be done with the documents presented on the cloud service, but for the external evaluator this is hard to be done since almost all the files are in Romanian language.

Recommendations: *Other funding sources are needed for the students. Clear defining of the number of students that benefit is needed.*

The indicator is fulfilled.

Performance Indicator *A.1.3.3. *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.).*

- *description of the facts, the findings from the assessed institution's documents and the evaluation visit itself*
- *analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself*

This indicator was hard to define since there is not detailed information regarding the spending in the self-evaluation and in the files uploaded to the cloud service. Over the interviews I found out that there were this kind of payments, but they are not systematic, and each PhD student or graduate got different amount paid. This is understandable knowing the diversities of conferences, trainings and papers that have diverse fee amount.



DOCTORAL FIELD	PhD expenses (lei)		Total expenses during the period 01.10.2015-30.09.2020
	Travel and participation fees	Materials, inventory items, etc.	
Mechanical engineering	241.856	245.376	487.231

Doctoral student earnings (lei)		Total receipts during the period 01.10.2015-30.09.2020	Percentage indicator A.1.3.3- PERCENTAGE-
Budget funded amount	Fee paid		
4.652.000	21.575	4.673.575	10,43

From the short information presented I can say that this indicator is 10.4% that is little over the minimum of 10% for this indicator.

Recommendations: Clear information is needed for the spending of funds.

The indicator is fulfilled

Criterion A.2. Research infrastructure

On the UDJG one of the strategic directions in financial and investment is aimed at rehabilitating, modernizing, consolidating and expanding educational and accommodation spaces, modernizing the university's endowment to improve the infrastructure for teaching and scientific research, enriching the book funds and expanding access to electronic and online publications in the university library.

This present infrastructure provides professors and students with the latest information in vast fields of research and professional areas

This is all taken on the highest level of importance and that is why this university and this doctoral school have such a great impact in the country.

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

As explained in the self-evaluation report, the research infrastructure is complex and is grouped into research laboratories and research units:

European Center of Excellence on Environmental Issues (ECEEI)

Center of Excellence Polymer Processing (CE-PP)

Interface Competence Center - Tribocorrosion and Electrochemical Systems (ICC-TES)

Research Center "Naval Architecture" (RCNA)

Materials Quality and Environment Research Center (MQERC)

Center for Nanostructures and Functional Materials (CNFM)

Center for Mechanical Research and Surface Layer Tribology (CMRSLT)

Scientific Research Center for Thermal Machines and Equipment and Environmental Engineering in Energy (SRCTMEE)

Technological Engineering Research Center in Machine Construction (TERCMC)

Center for Advanced Research in Welding (CARW)

Agronomic and Environmental Research and Consulting Center "Lunca" (AERCC Lunca)

Research - Development Center for Composites with Thermoset Matrices (RDCCTM)
Mechanics of Machines and Technological Equipment (METE)
Laboratories of the International Interdisciplinary Network RO-UA-MD created within the European Project MIS ETC 1676 (INPOLDE)
Modeling and Simulation Laboratory (SMLab)
All necessary information was clarified over the meetings with the doctoral school and over the visit done by prof. Biriş Sorin-Stefan.

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.*

- *description of the facts, the findings from the assessed institution's documents and the evaluation visit itself*

- *analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself*

From the self-evaluation report we can see that the doctoral students receive access to the research laboratories from the doctoral schools from UDJG. This is in support of what we find put over the meetings with doctoral students, graduates, doctoral supervisors and doctoral school professors. Their involvement in research centres and laboratories is crucial for the doctoral students.

In Annex A.2.1.1. there are tables with information for the research infrastructure acquired and developed in the last 5 years for each research centre.

Recommendations: *Inventory of equipment will help students to know what equipment can be used for their research at the university level. Students asked for this.*

The indicator is fulfilled.

Criterion A.3. Quality of Human Resources

The university's strategic directions aim in rehabilitating, modernizing, consolidating and expanding educational and accommodation spaces, modernizing the university's endowment in order to improve the infrastructure for teaching and scientific research and also to improve the management of financial, material and human resources at the university level.

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

Doctoral school put emphasis on research and by continuous efforts to connect this research to both the current needs of society and the current methods and trends in international research. However, the key efforts go to developing young researchers in order to develop the national human resource of performance research, competitive, and directed to the needs of the national economy.

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 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.*

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself

- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

As stated in the self-evaluation report, within the field of doctoral studies in Mechanical Engineering, there are 15 doctoral supervisors. There is a list with names presented on page 38. This is also supported by documents in A.3.1.1 annex folder on the cloud service.

For foreign evaluator checking CNATDCU criteria is bit hard since all necessary information is in Romanian language.

Basing on the information available and situation that as foreign evaluator I am, I can say that this indicator is fulfilled with high percentage of more than 93%.

Recommendations: /

The indicator is fulfilled.

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.*

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself

- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

From the self-evaluation report we can see that the number of supervisors is 15, from which only 1 is affiliated to the School for Doctoral Studies of Mechanical and Industrial Engineering UDJG. All the others are part of the doctoral school.

This satisfies the need of minimum 50% to be employed.

Recommendations: /

The indicator is fulfilled.

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.*

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself

- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

As defined at the university level curriculum of the training program combines advanced studies where PhD students from first year have the obligation to complete the advanced university. This program is carried out based on an SDIMI own curriculum, approved annually by the Board of Directors of the "Dunărea de Jos" University of Galați and it is available on the IOSUD website.

The doctoral supervisors holding the courses from the advanced university training program have competences in the field of the taught subjects as predated in their CVs uploaded to the cloud system. Where it is easy to see that they have numerous articles published in prestigious journals and have participated in related research projects, etc.

All of this was proven over meetings organised with doctoral students, graduates, doctoral supervisors and doctoral school members.

Recommendations: /

The indicator 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 programs¹ does not exceed 20%.*

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself

- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

As stated in the self-evaluation report and as shown in the documents on the cloud service in Annex A.3.1.4, doctoral supervisors who coordinates more than 8 doctoral students is 4%. This is less than 20% defined for this indicator.

Recommendations: /

The indicator is fulfilled

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

The doctoral school supports supervisors in their work as key factor for development of partnerships with laboratories in the country and abroad to provide doctoral students with a high-level research infrastructure. One of the key objectives of the school is to: developing partnerships to ensure collaboration with public and private research institutions; (self-evaluation report page 9)

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*

¹ 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.



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.

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself

- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

The international visibility of PhD supervisors is shown in Annex A.3.2.1. Scientific papers published in international journals, indexed in Web of Science or other prestigious databases are listed and information is shown for their presence in the scientific committees of international conferences and editorial teams of some international magazines.

In Annex A.3.2.1 there is a file defining internationalisation of the research of the professors of this doctoral school and from that file we can see that around 80% of the PhD supervisors present at least 5 indexed Web of Science publications.

Recommendations: /

The indicator is fulfilled

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.*

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself

- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

The self-evaluation report shows in table defined standard checked by each doctoral supervisors in the field of Mechanical Engineering. The fulfilment is clear for this indicator since no one of the supervisors had score smaller than 25%.

For foreign evaluator checking the CNATDCU criteria is not easy since all the criteria and information for fulfilment are in Romanian language.

Recommendations: /

The indicator is fulfilled.

Domain B. EDUCATIONAL EFFECTIVENESS

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

Selection of doctoral and post-doctoral students on value criteria, based on cognitive skills of the candidates enrolled for the admission exam is one of the schools' objectives. (self-evaluation report page 9) This clearly puts the quality of candidates as key indicator for fulfilment as a starting point not just for the school development, but as well as for the whole university.

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.*

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself

- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

We have analysed information from different sources:

- The table in Annex B.1.1.1
- The Table in section B.1.1.1. from self-evaluation report page 41, and
- Meetings with PhD students and graduates.

The summed table is:

	2015	2016	2017	2018	2019	Average report 5 years
No. enrolled master's graduates	3	2	5	7	3	
No. State budget places	12	8	18	18	16	
%	0.25	0.25	0.27	0.39	0.19	0.27

This is more that the indicator asks.

Recommendations: Better promotion nationally emphasising the quality of the doctoral scholl and the university might bring more students from other universities in Romania.

The indicator is fulfilled.

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



The doctoral school bases its work on few clearly defined principles that address academic, research and professional performance. Those principles are:

- ensuring quality and coherence;
- quality professional training of doctoral students;
- promoting scientific merit and excellence in research;

From that mass of students attracted to the doctoral school, with well-defined procedures, great educational and research support it is ensured to have a great 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.

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself

- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

As stated, before in another indicator, there is a Methodology on the organization and conduct of admission to the third cycle of doctoral studies. This methodology is adopted by the University Senate and all necessary information regarding the admission are available on internet site (necessary documents, locations, registration program, program for admission exam, etc.)

It is clear that the PhD students are selected on specific criteria: the academic, research and professional performance of candidates, their interest in scientific research, publications in the field and a proposal research topic.

The interview with the applicant is a mandatory part of the admission procedure.

All of this is part of the Annex B.1.2.1 on the cloud service.

This is not present on the internet site, or was hard to be find (accessed 23.07.21)

Recommendations: For the purpose of internalisation of the doctoral schools this kind of documents should be also available in English.

The indicator is fulfilled.

Performance Indicator B.1.2.2. The expelling rate, including renouncement / dropping out of doctoral students 3, respectively 4, years after admission² does not exceed 30%.

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself

- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

In the self-evaluation report there is information regarding the dropout / dropout rate of doctoral students on page 42.

² 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.

	PhD students
1st year 2015	15
3rd year 2018	13
Rate 2015-2018	13,33%
1st year 2016	9
3rd year 2019	7
Rate 2016-2019	22.22%
1st year 2017	19
3rd year 2020	17
Rate 2017-2020	10.52%
1st year 2018	18
3rd year 2021	18
Rate 2018-2021	0%

As seen from the table there is a drop out rate that is in line with this indicator, that is to be less than 30%.

But the number of students admitted per year does not consistent. As presented in the self-evaluation report there is 104 students for the period of 5 years. Here the number is far from that, $15+9+19+18 = 61$ students, and the information for 2019 is missing. In the self- evaluation report, there is a text explaining more rows of the table i), ii) and iii) that are not part of the table. Maybe from there the inconsistency comes.

During the meetings we did not hear that they have questionnaire regarding the reasons for student's dropout from their studies. Having one can give additional information that can initiate some activities to reduce the dropout rate in the future.

Recommendations: Questionary for drop out students will help define key reasons for dropping out. Clear number of students admitted and analysed is needed for the self-evaluation report.

The indicator is fulfilled.

Criterion B.2. The content of doctoral programs

At IOSUD-UDJG there is an internal mechanism through which study programs are initiated, approved, monitored and evaluated. There is a continuous process of redesigning the content of the curricula within the limits allowed by ARACIS.

The periodic annual evaluation of the activity of IOSUD is in done in order to continuous increase the quality of the didactic, research and managerial processes of the offered study programs as well as IOSUD activities.

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.*

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself



- *analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself*

The training program consist of advanced university studies with at least 3 obligatory disciplines: English for scientific and engineering purposes, Academic writing for the fields of technical sciences and research project management, Ethics of scientific research and academic integrity, Advanced methods of processing and analysis of experimental data.

The input from doctoral supervisor is important when deciding the optional disciplines: Standardization as a support in research / Intellectual property, innovation and entrepreneurship / Modern Methods for Materials Characterization and Investigation/ Advanced methods of processing and analysis of experimental data / Management of professional counselling / Implementation and certification of the Quality Management System in SMEs.

There is an option for PhD student to choose from the disciplines offered by another School for Doctoral Studies from UDJG. For each discipline attended within the training program based on advanced university studies, the doctoral student receives a certificate.

The doctoral student must accumulate 30 credits from his activities.

There is clearly a discipline that is intended for the in-depth study of the methodology of research and statistical data processing called, Advanced methods of processing and analysis of experimental data.

The curriculum contains a discipline for the in-depth study of research methodology and a discipline for the statistical processing of experimental data.

Information regarding the subject programmes is given in Annex B.2.1.1.

All of this was confirmed over meetings organised with doctoral students, graduates, doctoral supervisors and doctoral school members.

Some of the students mentioned that they need more English for scientific and engineering purposes since all the research is later presented over published materials in English.

Recommendations: *More options for English learning might be given as option to the students.*

The indicator 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.*

- *description of the facts, the findings from the assessed institution's documents and the evaluation visit itself*

- *analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself*

At IOSUD and the IMI School for Doctoral Studies there is an advanced course dedicated to ethics in scientific research and intellectual property and academic writing. This is part of the advanced university studies and it includes education transversal competencies, including aspects related to research ethics, scientometry and academic writing.

This is much related to the strategies and procedures for quality assurance focused on preventing academic fraud and resolving situations of violation of university ethics.

All information regarding this course in Romanian language is presented in Annex B.2.1.2 on the cloud service.

From the meetings with the doctoral students and the doctoral supervisors we have found out that this indicator is fulfilled.

Recommendations: /

The indicator 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 activities³.*

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself

- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

As mentioned before in another indicator, there is a mechanism through which study programs are initiated, approved, monitored and evaluated. There is a process that starts with initiation of a doctoral study program with proposal of the School for Doctoral Studies, that is then approved from the School for Doctoral Studies Council and of the Council for doctoral university studies, or at the proposal of the Board of Directors.”,

The School for Doctoral Studies councils ensure the scientific content of the disciplines included in the curriculum corresponds to the advanced university training.

There is also a periodic annual evaluation of the activity of IOSUD UDJG to prove the delivering of the defined and approved content for the study programme.

As written in the self-evaluation report doctoral students submit a monthly activity report detailing all the activities carried out during the reporting month (teaching activities, research, dissemination of research results, improvement). Based on this report, doctoral students are evaluated monthly by the doctoral coordinator. This is a good way of following their work. The director of the School for Doctoral Studies performs the annual evaluation of the doctoral students' activity, based on the annual activity report and the evidence provided by them. There is a procedure also to address some deviation in the work of the PhD students.

All of this is presented in Annex B.2.1.3 on the cloud service.

Recommendations: /

The indicator 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.*

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself

³ 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.

- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

As shown in the self-evaluation report PhD student is supported by a guiding committee that consist of 3 members. They can be members from the research team of the doctoral supervisor, other people affiliated to the School for Doctoral Studies or teachers and research unrelated to it. The composition of the guiding committee is established by the doctoral supervisor after consultation with the doctoral student. The guiding committee ensures that each doctoral student carries out the activities that will prepare them for final doctoral theses presentation.

Also, the students have list of contact for the specific thematic areas and research topics of the doctoral supervisors in the field on the internet site on few places. There is a list on page 55 in the self-evaluation report.

During the evaluation questionnaire was delivered to the PhD students and the results were not received.

Recommendations: /

The indicator is fulfilled

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.

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself

- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

In the self-evaluation report there is information regarding the number of doctoral students and the number of teachers / researchers who provide guidance. The ratio is as presented:

- 2016-2017 – 36:31
- 2017-2018 – 52:46
- 2018-2019 – 57:46
- 2019-2020 – 62:46
- 2020-2021 – 65:48

From this it is obvious that the ratios are in the limit of the indicator, less than 3:1. All information is given in the folder on the cloud in Annex B.2.1.5. All information is in Romanian language.

Somehow the information of the candidates is again not consistent with the other numbers presented for PhD candidates. If we sum the number for the 5 years shown the total is 272. Number that we have not seen in the self-evaluation report.

Recommendations: Clear number of candidates must be consistent throughout the self-evaluation report.

The indicator is fulfilled

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.

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself

- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

In Annex B.3.1.1 the work of PhD students is presented. Some of the papers are journal articles, some of them are from conferences. There is a list of published materials by the PhD students and the name of their supervisor.

I have analysed most of the papers on the cloud services I can say that the articles present significant original contributions in the field of Mechanical Engineering.

Recommendations: /

The indicator is fulfilled

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.

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself

- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

I have analysed the data presented in Annex B.3.1.2 with information regarding the participation of doctoral students in events. There is information regarding the participations in events in the country and abroad. I believe there is also an information for publicly defended thesis, in one document that is in Romanian language. (Situatia validarii tezelor de doctorat, IMI-semnat.pdf)

Overall, seeing the massive amount of examples without any further mathematical check-up, I can say that ratio for the last 5 years is higher than 1.

Recommendations: /

The indicator is fulfilled.

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.

It is one of the main objectives of the university and the doctoral school to attract internationally renowned researchers in their fields of activity for increasing the value of the research done by the PhD students. There are many examples of what they have done to engage experts not just for public defences but also for membership in some bodies of the university, doctoral school and conferences.



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.*

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself

- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

With analysis of Annex B.3.2.1 it can be easily seen that each specialist coming from a higher education institution, other than the evaluated IOSUD is not included more than 2 times in each year for the theses coordinated by the same doctoral thesis supervisor.

Recommendations: /

The indicator 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.*

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself

- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

This indicator was analysed basing on the information from Annex B.3.2.2. Maximum number of participations of a specialist from another IOSUD divided by the number of theses completed in the last 5 years in the field of Mechanical Engineering satisfies the indicator requirement.

Recommendations: /

The indicator is fulfilled.



Domain C. QUALITY MANAGEMENT

At "Dunărea de Jos" University of Galați (UDJG) quality management is seen as one of the key objectives of the university. There are University Strategies and Quality Assurance Office on the level of the university dedicated to QA. They believe that establishing a system of evaluation and quality assurance in all areas of academic life is needed to achieve academic excellence in teaching, learning and scientific research.

UDJG received the grade "High degree of trust", which confirms the efficiency of management academic and quality management system

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

As stated in the self-evaluation report, the culture of quality refers to the values, norms and activities practiced in the UDJG for the initiation, approval, evaluation and monitoring of the performances of the didactic and research activities. At the doctoral school and at the university structures, policies and strategies are created for development and effective monitoring of quality, for consecration of a culture of quality and for the continuous improvement of quality standards.

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.*

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself

- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

The doctoral school has procedures that regulate the QA of different parties involved, from supervisors and PhD students to all the other academic staff involved in the activities. In the self-evaluation report there is an explanation for each criterion in this indicator, from a) to f) with links to proper information on the Romanian version of the site.

As defined in the self-evaluation report there is a procedure for evaluation of doctoral supervisors by doctoral students; Operational procedure evaluation and quantification of the level of satisfaction of doctoral students; Questionnaire for the evaluation of doctoral supervisors by doctoral students; Doctoral

student's assessment sheet by the doctoral supervisor; The evaluation form of the doctoral supervisor by the management of the CSD School for Doctoral Studies.

There is a procedure for improvement of infrastructure and logistics necessary to carry out the research activity that is presented publicly through a profile platform.

Also, there are procedures for organising the doctoral studies that is defined in Institutional Regulation on the organization and operation of doctoral studies in doctoral schools at "Dunărea de Jos" University of Galați and Regulation of Doctoral Schools from IOSUD – UDJG and Regulation of Doctoral Schools from IOSUD – UDJG.

In IOSUD-UDJG is carried out annually the periodic internal evaluation of the activity within the School for Doctoral Studies based on a methodology approved by the University Senate. According to this methodology, for the continuous increase of the quality of the didactic, research and managerial processes, the periodic self-evaluation of the offered study programs is required, including the evaluation of the IOSUD activity, in all its components. The periodic evaluation of IOSUD-“Dunărea de Jos” University of Galați aims at identifying and quantifying the degree of fulfilment of the objectives defined.

The scientific activity of doctoral students is supported by the material research base provided to them, by funding participation in scientific events using funds from doctoral grants, by funding national and international mobility, by presenting the theses together and by organizing the annual Scientific Conference of the School for Doctoral Studies CSSD-UDJG. There is also Operational procedure regarding the awarding of research results to doctoral students within IOSUD-UDJG.

As previously defined, there is a training program based on advanced university studies and the scientific research program.

There is operational procedure regarding the encouragement of the performance in the research activity of the doctoral students that regulates the academic support services aimed at ways to encourage performance in the research activity of doctoral students in participation in various events, publication of articles, etc.

All of this beside in the self-evaluation report it is also available in Annex C1.1.1 on the cloud service. Not much information is available on the site and on the cloud service in English.

Recommendations: /

The indicator 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.*

- *description of the facts, the findings from the assessed institution's documents and the evaluation visit itself*

- *analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself*

As defined in the self-evaluation report there are procedures that regulate the systematic collection of feedback from all parties involved: PhD supervisors, PhD students and other academic staff involved in the activity of the School for Doctoral Studies. There are least one mechanism for collecting feedback

from doctoral students. (Questionnaires to assess the degree of satisfaction of doctoral students, needs analysis, etc.).

The procedures used and the questionnaires operated can be found on the IOSUD website and Annex C.1.1.2.

All of this was commented over the meetings with PhD students and Doctoral school professors.

Recommendations: *Questionary for drop out students can show some additional information.*

The indicator is fulfilled.

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

One of the key principles of the doctoral school is organization and operation transparency. All documents are available to all students and key actors, internal and external are included in the decision-making process.

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.*
 - description of the facts, the findings from the assessed institution's documents and the evaluation visit itself*
 - analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself*

From the self-evaluation report and from the internet site we can see that institutional regulation for the organization and development of doctoral university studies can be reached on their site.

In the self-evaluation report there is information for:

- the School for Doctoral Studies regulations,
- the methodology regarding the organization and conduct of admission to the doctoral studies cycle,
- doctoral studies contract,
- the regulations for completing studies including the procedure for the public defense of the thesis,

- the content of the study programs,
- the scientific profile and thematic areas / research topics of the doctoral supervisors in the field,
- institutional contact details,
- basic information regarding the doctoral supervisors
- information on the public defence of the doctoral thesis and links to summaries
- minimum national standards for granting the doctoral degree, specific to the doctoral fields assigned to the specialized commissions of the National Council for Attestation of University Degrees, Diplomas and Certificates.

All data that was available was in Romanian language. The information on the internet site is in Romanian as well.

Recommendations: For better internationalisation of the doctoral school key documents should be in English and available on the English internet site.

The indicator is fulfilled.

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.

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself
- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

As described detailly in self-evaluation report in pages 57-61 access to online information resources for scientific research was provided to the PhD students. This was available because of the project "Ensuring national electronic access to scientific literature to support and promote the research system and education in Romania (ANELIS PLUS"- PNII project - CAPABILITIES, Module I, C.1 large CD structures) submitted by the ANELIS Plus Association. With this access to the databases is ensured to: ScienceDirect, Scopus, SpringerLink, Clarivate Analytics (Derwent Innovations Index, Web of Science and Journal Citation Reports).

In the period 2015-2020 there were 1678053 accesses to online scientific databases.

PhD students can access the e-books purchased within the Anelis Plus 2020 (3007 titles) and Expert (107 titles) projects. These have been catalogued and can also be found in the Koha integrated library system (books purchased from De Gruyter and Elsevier).

Over the meeting with the PhD students, we were assured that they have access to databases.

Recommendations: Professors and students pointed out that logging process makes work bit difficulty. If possible, the process should be more access friendly.

The indicator is fulfilled.

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.

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself

- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

At UDJG there is software system for plagiarism detection - SISTEMANTIPLAGIAT.RO. This is a system for online checking of documents with sources in the University's database (archived documents), in the databases of other Universities (based on the declaration of mutual exchange of databases) and internet resources.

There is a procedure for this that is explained to the PhD students.

Annex C.2.2.2. describes this and all documents are on cloud service.

Recommendations: /

The indicator is fulfilled

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.

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself

- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

From the meetings with the students, we have been informed that they have access to research laboratories or other facilities.

There is an Institutional Regulation on the organization and conduct of doctoral studies, IOSUD Regulation, Annex no. 4 that regulates this.

In accordance with their RDI strategy at university level, the multidisciplinary research platform - ReForm UDJG (<http://www.reform.ugal.ro/>), represents a modern framework organization for the efficient mobilization of different university resources (human resources, strategic infrastructure) for multi-, inter- and transdisciplinary research, large-scale, competitive at regional, national and international level, with scientific, technological, cultural and social impact. This platform integrates the activity of high-performance research units with that of Schools for Doctoral Studies in order to increase efficiency, scientific performance, impact and visibility.

The PhD students also have access to scientific research laboratories or to research facilities within certain research centres.

- Microscopy Laboratory (Scanning Electron Microscope [SEM] and Energy Scatter X-ray Spectroscopy [EDX])
- LubriTtest Technical Fluids Testing Laboratory, within the Center for Mechanical Research and Surface Layer Tribology
- Mechanical testing laboratory – Mechanical tests for characterization of materials, design of composite materials;
- Laboratory of mechanical thermal, electromagnetic and spectrophotometric tests – DSC and TMA thermal analyses - design of composite materials,
- Electromagnetic characterization of composite materials, design of composite material properties;

- Training laboratory - Formation of composite materials, dispersing techniques of modifying agents, forming techniques;
- Debiting laboratory - Debiting the materials in order to obtain the test specimens.
- The Center for Mechanical Research Center for Technological Machines and Equipment - MECMET
- The Scientific Research Center for Thermal Machines and Equipment and Environmental Engineering in Energy - METIME

PhD students can also have access of to the special resources of the Laboratories within the research centres and see all documents with all the purchased equipment.

Information is shown in Anexa C2.2.3 on the clous service.

Recommendations: /

The indicator is fulfilled

Criterion C.3. Internationalization

One of the key objectives of the doctoral school is the Internationalization of the doctoral activities of IOSUD-DJUG. They have strategic plan for the development of the schools for doctoral studies and of IOSUD-DJUG and their activities are in line with the university objectives, Rector's management plan and with the University Charter.

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.*

- description of the facts, the findings from the assessed institution's documents and the evaluation visit itself

- analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself

IOSUD and the ERASMUS office within the institution support mobility of students with concluded mobility agreements with foreign universities, research institutes, companies carrying out activities in the field of study. In Annex C.3.1.1 there is a document entitled "Doctoral student mobility 2014-2020" that is presenting the situation of the PhD students' mobility. It is in Romanian language but some information is easy to be understood.

- 3 PhD students (during the period 2014-2020) carried out mobility through the ERASMUS program for the field of Mechanical Engineering.
 - o Erasmus type of mobility does not suit all students because many of them work oh have young families and leaving for whole semester is impossible

- 64 other forms of mobilities - participation in international scientific conferences happened in the analysed period
- 122 mobilities in a form of participation in international scientific conferences also add to this indicator.

Overall, as said in the self-evaluation report the indicator is fulfilled and with around 35% of mobilities.

Recommendations: /

The indicator is fulfilled

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.*

- *description of the facts, the findings from the assessed institution's documents and the evaluation visit itself*

- *analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself*

From the self-evaluation report can be seen that the UDJG supports the organization of doctorates in international co-supervision. There is an example for co-supervised thesis, in two cases, with University of Minho, School of Engineering, Guimaraes, Portugal.

Workshops, masterclasses, conferences and seminars were organized at the doctoral school:

- Dr.Eng. Călin Tarău, Lead Engineer, at Aerospace Product Group, within Advanced Cooling Technologies, Inc. Lancaster, PA, USA, main investigator in 12 NASA-funded projects, held on April 12, 2018, in front of doctoral students, the conference on "Spacecraft thermal control".
- Academician Dorel Banabic, president of the Technical Sciences Department within the Romanian Academy, professor at the Technical University of Cluj Napoca
- Assoc. prof. Adinel Gavrus, PhD, INSA Rennes, France, Dept. of Mechanical and Control Systems Engineering – GMA, Laboratory of Civil and Mechanical Engineering – LGCGM;
- DI. Prof. Dr. ir. Jean-Pierre CELIS, Department of Materials Engineering, Katholieke Universiteit Leuven, conferința Advances in tribology through engineering materials and laboratory tests (2018)

The support from of the honorary members of the Scientific Council from different universities around world is mentioned as a support for this indicator.

Recommendations: /

The indicator is fulfilled.

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.).*

- *description of the facts, the findings from the assessed institution's documents and the evaluation visit itself*

- *analysis of the facts, the findings from the assessed institution's documents and the evaluation visit itself*



As defined in the self-evaluation report there are activities to attract international students. Few are mentioned:

- Conference of the European Association for International Education in Geneva 2018,
- Specialty Fair "Education and Career - 2018" and the fair of foreign educational institutions "Education Abroad" in Kiev
- September 12-15, 2017, in Seville, 29th edition of the Annual Conference and Exhibition of the European Association for International Education - EAIE (European Association for International Education).
- Annual Conference and Exhibition of NAFSA 2019, in Washington.
- Annual EAIE Conference and Exhibition, HELSINKI 2019.
- "Education and Science-2019" in Astana, Kazakhstan.

Recommendations: Clear strategy for internationalization with plan of activities would help.

The indicator is fulfilled.

IV. SWOT Analysis

<p style="text-align: center;"><u>Strengths:</u></p> <ul style="list-style-type: none"> - Build reputation over the years for the doctoral schools - Cooperation with industry - Access to key internet research bases - Financial support for students from grants - Laboratories and centres ready for research - Super equipment, some unique in whole Romania - Applicability of PhD students' research - Key research in top-notch areas - Severe student competition for admission - Interdisciplinary thesis developed - Cooperation between universities - Contacts with economic sector of the country - Students learn to work in team – valuable for employment 	<p style="text-align: center;"><u>Weaknesses:</u></p> <ul style="list-style-type: none"> - Not so many foreign students - No new employments - More grants options for PhD students are needed - Bureaucracy affecting professors work
<p style="text-align: center;"><u>Opportunities:</u></p> <ul style="list-style-type: none"> - Cooperation in and out of the country (companies and institutes) - To improve QA procedures - improvement of materials availability in laboratories - PhD students with opened businesses after their studies (some with patent) - Needs of the economic sector of the country connected with the doctoral school research brings development and opportunities - Following the fast-changing environment - Research is done in some top-notch priorities in the world (biomaterials for example) - Entrepreneurship training for new businesses 	<p style="text-align: center;"><u>Threats:</u></p> <ul style="list-style-type: none"> - Motivation of supervisors for mentoring - No grants for some students - Aging of equipment - Investment intense laboratory and centres maintenance - Workload pressure on full-time working students - 3 years looks like it is not enough for engineering doctoral studies. - Late internationalisation - Closeness to Bucharest for decision where to study - Modernisation of study programmes in line with world changes - Future needed skills should be developed - Publication in top journals is time, money and energy consuming - Small base of bachelor and master students

V. Overview of judgments awarded and of the Recommendations

No.	Type of indicator (*, C)	Performance indicator	Judgment	Recommendations
1	C	A.1.2.1.	fulfilled	Probably the system can produce a list of PhD students and topic of research and all that information can be available to the employers. This will help to have insight in the research and establish a connection during the studies.
2	*	A.1.3.2.	Fulfilled	<ul style="list-style-type: none"> - Other funding sources are needed for the students. - Clear defining of the number of students that benefit is needed.
3	*	A.1.3.3.	fulfilled	Clear information is needed for the spending of funds.
4	C	A.2.1.1.	fulfilled	Inventory of equipment will help students to know what equipment can be used for their research at the university level. Students asked for this.
5	*	B.1.1.1.	fulfilled	Better promotion nationally emphasising the quality of the doctoral school and the university might bring more students from other universities in Romania.
6	*	B.1.2.1.	fulfilled	For the purpose of internalisation of the doctoral schools this kind of documents should be also available in English.
7	C	B.1.2.2.	Fulfilled	<ul style="list-style-type: none"> - Questionary for drop out students will help define key reasons for dropping out. - Clear number of students admitted and analysed is needed for the self-evaluation report.
8	C	B.2.1.1.	fulfilled	More options for English learning might be given as option to the students.
9	C	B.2.1.5.	fulfilled	Clear number of candidates must be consistent throughout the self-evaluation report.
10	*	C.1.1.2.	fulfilled	Questionary for drop out students can show some additional information.
11	C	C.2.1.1.	fulfilled	For better internationalisation of the doctoral school key documents should be in English and available on the English internet site.
12	C	C.2.2.1.	fulfilled	Professors and students pointed out that logging process makes work bit difficult. If possible, the process should be more access friendly.
13	C	C.3.1.3.	fulfilled	Clear strategy for internationalization with plan of activities would help.

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

From the analysis of the domain of Doctoral Studies in Mechanical Engineering at the "Dunarea de Jos" University of Galati we can say that the doctoral school and the university are providing high quality education and research for the PhD students.

As checked over the self-evaluation report and documents available at the cloud service, all work is supported by proper regulation that is developed in line with the country regulation, ARACIS guidelines and need of modern education. Students are aware of all the procedures and beside the knowledge that they get, they price the support that they get at the doctoral school as well.

The research is done in well-equipped laboratories and centres and they have well established connection with research institutes and companies, in the country and abroad. There are investments in new equipment in the last 5 years that increases the value of the education that the students get. There is need for inventory of equipment available at the university level to be presented to the students so that they know what equipment is available for them. Also, the procedure for buying some simple and not expensive equipment can be simplified and with that will help students will have more options for to buy and more time to test.

Most of the students use the options for mobilities and they carry out research in foreign institutions around Europe. The level of involvement of foreign professors in the thesis defending and in lectures organised is on high level.

There are proper Quality assurance measures that follow the work done, question the processes and propose improvements continuously.

There are IT system available for the students for their administrative work and for access to base with high quality journals. Research support is present for producing high quality papers that are published in high quality journals. There is need for improvement in the process of log in the systems.

Plagiarism is well addressed and there are mechanisms for following the research, work on thesis and papers writing.

There are examples of transversal skills development and interdisciplinary research done that in support of the entrepreneurship training available for students it helps to produce more start-ups.

Cooperation with industry is on high level and there is a mutual understanding between the researchers and professors from one side and companies and institutes on the other side. There is possibility for improvements in the study programme and future skills development for the students so that they give better answer to the needs of the modern industry.

Recommendation can be given also to develop a proper internationalisation strategy that will help open the doctoral school for more international students. There are promotional activities and there is interest for foreign students, but it can be improved. This will require translation of more key documents in English for the foreign students.

Grant opportunities must be increased so that all students have opportunities for well supported research. This for now is not a problem but it is a burden for professors and students.

The excellence students can be employed at the university and with that the future development will be assured without any disturbances and gaps in generations. This is done now on some level, but it can be improved.



In the end the Domain of Doctoral Studies in Mechanical Engineering, from the at the "Dunarea de Jos" University of Galati provides a high-quality doctoral education and research for the students. The teaching is done over well-designed curriculum that supports transversal skills development with clear outcomes and possibilities for commercialisation. The research is done with great support in well-equipped laboratories and centres and in line with all ethical principles. The results are presented in high quality journals that well represents this doctoral domain but also the education and research level of country.



VII. Annexes

* All other annexes that are in Romanian language are part of the final version

Annex 1. Schedule for online meetings

Nr. ... /00.06.2021

Programul⁴ vizitei de evaluare instituțională - IOSUD / domenii de studii universitare de doctorat a

UNIVERSITATEA „DUNĂREA DE JOS“ DIN GALAȚI –

The timetable of the institutional evaluation visit - IOSUD / doctoral study domains at the

„DUNĂREA DE JOS“ UNIVERSITY OF GALAȚI

Perioada de derulare a vizitei: 12-16.07.2021

The evaluation period: 12-16.07.2021

Evaluarea Externă Periodică a IOSUD și a domeniilor de studii universitare de doctorat

Periodical External Evaluation of the Institution Organising Doctoral Study Programs (IOSUD), and of the doctoral study domains

Intervalul orar / Hour	Activitate / Activity	Participanți / Participants	Observații/ Responsabil Comments/ Responsible
Luni / Monday, 12.07.2021			
09:00-09:45	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>	Comisia de evaluare IOSUD&domenii <i>IOSUD&domains evaluation panel</i> - toți membrii echipei de evaluare <i>all evaluation panel members</i>	Înregistrare audio-video ARACIS / platforma ZOOM <i>Audio-video recording ARACIS / ZOOM platform</i> https://us02web.zoom.us/j/89754662350?pwd=NE85VFNHTEU3U0RvYjdTV1N6M2Z5UT09 Meeting ID: 897 5466 2350 Passcode: 601078
10:00-10:45	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>	Comisia de evaluare IOSUD&domenii <i>IOSUD&domains evaluation panel</i> - toți membrii echipei de evaluare <i>all evaluation panel members</i> - 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</i>	Înregistrare audio-video UDJG / platforma ZOOM <i>Audio-video recording UDJG / ZOOM platform</i> https://us02web.zoom.us/j/87836112959?pwd=bDVjMTdnbG1JTFdmRzlaZjcvWINQUT09 Meeting ID: 878 3611 2959 Passcode: 127949

⁴ În perioada vizitei, pot fi solicitate și alte întâlniri, pentru eventuale clarificări.

During the visit, other meetings may be requested for possible clarifications.



Intervalul orar / Hour	Activitate / Activity	Participanți / Participants	Observații/ Responsabil Comments/ Responsible
		<i>Doctoral School /Schools</i> - persoana de contact IOSUD/domenii <i>the contact person for IOSUD / doctoral domains</i>	
11:00-11.45 11.45-12.30	Activități de evaluare <i>Evaluation activities</i> Domeniu⁵: 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>Domain: Online meeting with the contact person for the doctoral study domain under review and the team who drafted the internal evaluation report</i>	Comisia de evaluare domeniu Domain evaluation panel -membrii comisiei de experți evaluatori domeniu members of Domain evaluation panel - 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>	Înregistrare audio-video UDJG / platforma ZOOM <i>Audio-video recording UDJG / ZOOM platform</i> Domeniul Inginerie mecanică/Mecanical Engineering https://us02web.zoom.us/j/82512411917?pwd=NOY5bEMvNnVXbytTVXdUdpUmR1ZGNIQT09 Meeting ID: 825 1241 1917 Passcode: 241490
12:30-13:30	Activități de evaluare <i>Evaluation activities</i> IOSUD: Întâlnire online a comisiei de experți evaluatori cu directorul CSUD/directorii școlilor doctorale din IOSUD supus procesului de evaluare și cu echipa care a realizat raportul de evaluare internă <i>IOSUD: Online meeting with the director of CSUD / directors of doctoral schools and the team who drafted the internal evaluation report</i>	Comisia de evaluare IOSUD IOSUD evaluation panel - membrii comisiei de experți evaluatori IOSUD members of IOSUD evaluation panel - reprezentanți ai CSUD și ai școlii/școlilor doctorale/ IOSUD <i>representatives of CSUD and of doctoral school(s)/IOSUD</i>	Înregistrare audio-video UDJG / platforma ZOOM <i>Audio-video recording UDJG / ZOOM platform</i> https://us02web.zoom.us/j/89229006666?pwd=SWg0NE5BTE1RSE5xUjJNcnkvTFIzd09 Meeting ID892 2900 6666 Passcode 703466

⁵ Pentru toate întâlnirile din program unde se menționează domeniu, se vor organiza 16 întâlniri în paralel pentru cele 16 domenii de studii universitare de doctorat din componența IOSUD, exceptând întâlnirile cu studenții doctoranzi, care se vor organiza pe domenii fundamentale. *For all the timetable meetings where the domain is mentioned, 16 meetings will be organized in parallel for the 16 doctoral university studies domains within IOSUD, except for the meetings of PhD students, which will be organized on fundamental domains of science.*



Intervalul orar / Hour	Activitate / Activity	Participanți / Participants	Observații/ Responsabil Comments/ Responsible
13:30–14:30	Activități de evaluare <i>Evaluation activities</i> IOSUD: Întâlnire online a comisiei de experți evaluatori cu personalul didactic aferent școlilor doctorale din IOSUD <i>IOSUD: Online meeting with IOSUD academic staff</i>	Comisia de evaluare IOSUD <i>IOSUD evaluation panel</i> - membrii comisiei de experți evaluatori IOSUD <i>members of IOSUD evaluation panel</i> - cadre didactice cu titlul de conducător de doctorat <i>Doctoral coordinators</i>	Înregistrare audio-video UDJG / platforma ZOOM <i>Audio-video recording UDJG / ZOOM platform</i> https://us02web.zoom.us/j/84228839233?pwd=N1hFVjFwUE1Pa0Q2M1VCKzJaaZFRZz09 Meeting ID: 842 2883 9233 Passcode: 737567
14:30-15:30	Activități de evaluare <i>Evaluation activities</i> Domeniu: Întâlnire online a comisiei de experți evaluatori cu personalul didactic aferent domeniului evaluat <i>Domain: Online meeting with the academic staff corresponding to the doctoral study domain</i>	Comisia de evaluare domeniu <i>Domain evaluation panel</i> -membrii comisiei de experți evaluatori domeniu <i>members of Domain evaluation panel</i> -cadre didactice cu titlul de conducător de doctorat <i>Doctoral coordinators</i>	Înregistrare audio-video UDJG / platforma <i>Audio-video recording UDJG / ZOOM platform</i> Domeniul Inginerie mecanică/Mechanical Engineering https://us02web.zoom.us/j/89232273964?pwd=ek9HL09VMThHSytUS0lqWGOyQjFTdz09 Meeting ID: 892 3227 3964 Passcode: 856790
15:30-18:00	Continuarea activităților de evaluare a domeniilor de studii universitare de doctorat și IOSUD <i>Continuation of the doctoral study domain and IOSUD evaluation activities</i>	Comisia de evaluare IOSUD&domenii <i>IOSUD&domains evaluation panel</i> - la nivel de IOSUD <i>at IOSUD level</i> - la nivel de domenii de doctorat <i>at doctoral study domain level</i>	Se lucrează separat.⁶ offline/online. <i>Independent evaluation activities.</i> 16.00 – 16.45 Întâlnire cu responsabilul domeniului de doctorat/Meeting with the responsible person of domain Domenii Ingineria sistemelor/Systems engineering Calculatoare și tehnologia informației/Computer and information technology https://us02web.zoom.us/j/81421971768?pwd=ckJ4Lzd6Z0c3NTU4aXp4dmN4dFZ4UT09 Meeting ID: 814 2197 1768 Passcode: 047510 16.45 – 17.30 Întâlnire cu membrii Consiliului Școlii Doctorale/Meeting with Doctoral School Board Domenii Ingineria produselor alimentare/Food engineering Ingineria sistemelor/Systems engineering Calculatoare și tehnologia informației/Computers and information technology Inginerie electrică/Electrical engineering Biotehnologii/Biotechnology https://us02web.zoom.us/j/85443684144?pwd=Z2Y2V2JMTFZuN055ZC92T29rT2lWQT09 Meeting ID: 854 4368 4144 Passcode: 216427 17.30 – 18.15 Întâlnire cu personalul didactic aferent domeniului/Meeting with the didactic staff

⁶ În cazul în care se organizează întâlniri suplimentare cu reprezentanții instituției de învățământ superior sau cu alte părți interesante, acestea se vor organiza în format online, după caz, de către instituția evaluată sau de către echipa de evaluare, iar înregistrările se vor încărca în *cloud-ul* ARACIS. Dacă sunt întâlniri între membrii echipei de evaluare, nu este necesară încărcarea înregistrărilor. Se pot organiza și vizite la fața locului, de comun acord cu persoana de contact de la domeniul evaluat. *If additional meetings are organized with the representatives of the higher education institution or with other interested parties, they will be organized in online format, as the case may be, by the evaluated institution or by the evaluation team, and the records will be uploaded to ARACIS' cloud. If there are meetings between the members of the evaluation team, it is not necessary to upload the records. On-site visits may also be arranged, in agreement with the contact person of the evaluated domain.*



Intervalul orar / Hour	Activitate / Activity	Participanți / Participants	Observații/ Responsabil Comments/ Responsible
			Domenii Ingineria sistemelor/Systems engineering Calculatoare și tehnologia informației/Computers and information technology https://us02web.zoom.us/j/82716221499?pwd=NFVY2UrS0ZxbmxPbGViaTMzSGlyQT09 Meeting ID: 827 1622 1499 Passcode: 466837
Marti / Tuesday, 13.07.2021			
09:00 - 10:00	Întâlnire online cu membrii Comisiei de Etică a universității <i>Online meeting with the members of the Ethics Commission</i>	Comisia de evaluare IOSUD&domenii <i>IOSUD&domains evaluation panel</i> - toți membrii echipei de evaluare <i>all evaluation panel members</i> -membrii Comisiei de Etică <i>Ethics Commission members</i>	Înregistrare audio-video UDJG / platforma ZOOM <i>Audio-video recording UDJG / ZOOM platform</i> https://us02web.zoom.us/j/85611354019?pwd=NVYwc1AyYmF1czZ4amRiaVl5c0hIU09 Meeting ID856 1135 4019 Passcode 246891
10:15 - 11:15	Activități de evaluare <i>Evaluation activities</i> 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>	Comisia de evaluare IOSUD&domenii <i>IOSUD&domains evaluation panel</i> - toți membrii echipei de evaluare <i>all evaluation panel members</i> - reprezentanți ai CEAC/Departament AC <i>representatives of Commission for Quality Evaluation and Assurance (CEAC) / Quality Assurance Department</i>	Înregistrare audio-video UDJG / platforma ZOOM <i>Audio-video recording UDJG / ZOOM platform</i> https://us02web.zoom.us/j/85847461334?pwd=ZkU0eS9yMlZiSmpia21OUU0zcDkyUT09 Meeting ID858 4746 1334 Passcode 356713
11:30- 12:30	Activități de evaluare <i>Evaluation activities</i> Domeniu: Întâlnire online a comisiei de evaluare cu studenții doctoranzi <i>Domain: Online meeting with PhD students</i>	Comisia de evaluare domeniu <i>Domain evaluation panel</i> - membrii comisiei de experți evaluatori domeniu <i>members of Domain evaluation panel</i> - studenții doctoranzi <i>PhD students</i>	Înregistrare audio-video ARACIS / platforma ZOOM <i>Audio-video recording ARACIS / ZOOM platform</i> Domenii Inginerie industrială/Industrial engineering Ingineria materialelor/Materials engineering Inginerie mecanică/Mechanical engineering https://us02web.zoom.us/j/81395842788?pwd=d1KaGVXblMwNwVOTFV4YjNCWIN3UT09 Meeting ID: 813 9584 2788 Passcode: 570609
12:45-13:45	Activități de evaluare <i>Evaluation activities</i> IOSUD: Întâlnire online a comisiei de evaluare cu studenții doctoranzi IOSUD: <i>Online meeting with PhD students</i>	Comisia de evaluare IOSUD <i>IOSUD evaluation panel</i> - membrii comisiei de experți evaluatori IOSUD <i>members of IOSUD evaluation panel</i>	Înregistrare audio-video ARACIS / platforma ZOOM <i>Audio-video recording ARACIS / ZOOM platform</i> Întâlnire cu doctoranzii IOSUD/Meeting with the doctoral students IOSUD https://us02web.zoom.us/j/87339936321?pwd=UnBtMnZBendJTXZMdeZSc3F6Wk04UT09 Meeting ID: 873 3993 6321 Passcode: 565699 Înregistrare audio-video UDJG / platforma ZOOM <i>Audio-video recording UDJG / ZOOM platform</i> Întâlnire membri CSD/Meeting with Doctoral School Board Domeniul Inginerie mecanică/Mechanical engineering



Intervalul orar / Hour	Activitate / Activity	Participanți / Participants	Observații/ Responsabil Comments/ Responsible
		- studenții doctoranzi <i>PhD students</i>	https://us02web.zoom.us/j/84527789911?pwd=RjJFSnRaU2J6S25FNjZBNkc3T1piUT09 Meeting ID: 845 2778 9911 Passcode: 746829 Domeniul Inginerie industrială/Industrial engineering https://us02web.zoom.us/j/84527789911?pwd=RjJFSnRaU2J6S25FNjZBNkc3T1piUT09 Meeting ID: 845 2778 9911 Passcode: 746829 12.30-13.30 Întâlnire cu absolvenții/Meeting with the graduates Domenii Ingineria sistemelor/Systems engineering Calculatoare și tehnologia informației/Computers and information technology https://us02web.zoom.us/j/85416211274?pwd=bUs2a1ZJa0NNMU5Ma0hYRXd1QUk3QT09 Meeting ID: 854 1621 1274 Passcode: 504246 12:30-13:30 Întâlnire online a comisiei de evaluare cu reprezentanți ai absolvenților domeniului/Meeting with the graduates Domeniul Inginerie Electrică/Electrical engineering https://us02web.zoom.us/j/81912971054?pwd=V3BUQ296RXkzeitNWVUzVWdtZlZlUT09 Meeting ID: 819 1297 1054 Passcode: 724701
14:00-15:00	Activități de evaluare <i>Evaluation activities</i> Domeniu: Întâlnire online a comisiei de evaluare cu reprezentanți ai absolvenților domeniului <i>Domain: Online meeting with graduates for the respective doctoral study domain</i>	Comisia de evaluare domeniu <i>Domain evaluation panel</i> - membrii comisiei de experți evaluatori domeniu <i>members of Domain evaluation panel</i> - reprezentanți ai absolvenților <i>representatives of doctoral graduates</i>	Înregistrare audio-video UDJG / platforma <i>Audio-video recording UDJG / ZOOM platform</i> Domeniul Inginerie mecanică/Mechanical Engineering https://us02web.zoom.us/j/81508872407?pwd=WFFRRnFsQTdPbjczOHRjcklyeCtEQT09 Meeting ID: 815 0887 2407 Passcode: 167812
15:15-16:15	Activități de evaluare <i>Evaluation activities</i> IOSUD: Întâlnire online a comisiei de evaluare cu reprezentanți ai absolvenților IOSUD <i>IOSUD: Online meeting with IOSUD graduates</i>	Comisia de evaluare IOSUD <i>IOSUD evaluation panel</i> - membrii comisiei de experți evaluatori IOSUD <i>members of IOSUD evaluation panel</i> - reprezentanți ai absolvenților <i>representatives of doctoral graduates</i>	Înregistrare audio-video UDJG / platforma <i>Audio-video recording UDJG / ZOOM platform</i> https://us02web.zoom.us/j/86880623101?pwd=TmZPNVNNMMHpBMzIUU2J3bXlycmx2Zz09 Meeting ID: 868 8062 3101 Passcode: 169692 Domenii Ingineria produselor alimentare/Food technology Biotehnologii/Biotechnology https://us02web.zoom.us/j/82812174418?pwd=YVhRVGlnOFZhNmsrUmNWclpLN2YvUT09 Meeting ID: 828 1217 4418 Passcode: 220788 15.30-16.30 Domenii Ingineria sistemelor/Systems engineering Calculatoare și tehnologia informației/Computers and information technology https://us02web.zoom.us/j/87482406844?pwd=bTVhVElpWUNQbmFuL2hvOThkclJz09 Meeting ID: 874 8240 6844 Passcode: 644219 Domeniul Inginerie electrică/Electrical engineering https://us02web.zoom.us/j/88523241659?pwd=dC9xK3I3YkpYNDh2UG96bmZpaVgvQT09 Meeting ID: 885 2324 1659 Passcode: 792323 16.30-17.30 Domeniul Filologie/Philology https://us02web.zoom.us/meeting/register/tZctcu6upzMiE9C5LIStw2SzlDEc7ibM056a Meeting ID: 830 5769 8894 Passcode: 954758



Intervalul orar / Hour	Activitate / Activity	Participanți / Participants	Observații/ Responsabil Comments/ Responsible
16:15-17:00	Continuarea activităților de evaluare a domeniilor de studii universitare de doctorat și IOSUD <i>Continuation of the doctoral study domain and IOSUD evaluation activities</i>	Comisia de evaluare IOSUD&domeniilor <i>IOSUD&domains evaluation panel</i> - la nivel de IOSUD <i>at IOSUD level</i> - la nivel de domenii de doctorat <i>at doctoral study domain level</i>	Se lucrează separat offline/online. <i>Independent evaluation activities offline/online.</i>
17:00 - 18:00	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>	Comisia de evaluare IOSUD&domeniilor <i>IOSUD&domains evaluation panel</i> - toți membrii echipei de vizită <i>all evaluation panel members</i>	Înregistrare audio-video ARACIS / platforma ZOOM <i>Audio-video recording ARACIS / ZOOM platform</i> https://us02web.zoom.us/j/83614088620?pwd=a09qZlNVMHRRHVElST216NiBOVnVzUT09 Meeting ID: 836 1408 8620 Passcode: 429439
Miercuri / Wednesday, 14.07.2021			
09:00-10:00	Activități de evaluare <i>Evaluation activities</i> IOSUD: Întâlnire online cu directorii/responsabilii centrelor/laboratoarelor de cercetare IOSUD <i>IOSUD: Online meeting with the Directors/ persons in charge of the research centers/laboratories within IOSUD</i>	Comisia de evaluare IOSUD <i>IOSUD evaluation panel</i> - membrii comisiei de experți evaluatori IOSUD <i>members of IOSUD evaluation panel</i> - directorii centrelor / laboratoarelor de cercetare <i>Directors of the research centers/laboratories</i>	Înregistrare audio-video UDJG / platforma ZOOM <i>Audio-video recording UDJG / ZOOM platform</i> https://us02web.zoom.us/j/83105947328?pwd=NWtBbJlJxYjdSS09PUzkwS2VBU1RPQT09 Meeting ID831 0594 7328 Passcode 481361
10:00-11:00	Activități de evaluare <i>Evaluation activities</i> IOSUD: Întâlnire cu membrii Consiliului Studiilor Universitare de Doctorat al IOSUD <i>IOSUD: Online meeting with Doctoral University Studies Council (CSUD) members</i>	Comisia de evaluare IOSUD <i>IOSUD evaluation panel</i> - membrii comisiei de experți evaluatori IOSUD <i>members of IOSUD evaluation panel</i> - membrii CSUD <i>CSUD's members</i>	Înregistrare audio-video UDJG / platforma ZOOM <i>Audio-video recording UDJG / ZOOM platform</i> https://us02web.zoom.us/j/83472623481?pwd=OURnb3pxcUIKQytTNDV4b0Q1TUo4Zz09 Meeting ID834 7262 3481 Passcode 915890 Intalnire cu directorii de centre/Meeting with the research center directors Domenii Ingineria produselor alimentare/Food technology Biotehnologii/Biotechnology Inginerie și management în agricultură și dezvoltare rurală/Engineering and management in agriculture and rural development https://us02web.zoom.us/j/89220964974?pwd=bndwQOVhWFc3NUxyTDNZdXFjNlP6QT09 Meeting ID: 892 2096 4974 Passcode: 250854
11:15-12:15	Activități de evaluare <i>Evaluation activities</i> IOSUD: Întâlnire online a comisiei de evaluare cu reprezentanți ai angajatorilor absolvenților	Comisia de evaluare IOSUD <i>IOSUD evaluation panel</i> - membrii comisiei de experți evaluatori IOSUD	Înregistrare audio-video UDJG / platforma ZOOM <i>Audio-video recording UDJG / ZOOM platform</i> https://us02web.zoom.us/j/83259481565?pwd=T2NhQzdnNkNadEVQdnIMbTdUbs92QT09 Meeting ID832 5948 1565 Passcode 947276



Intervalul orar / Hour	Activitate / Activity	Participanți / Participants	Observații/ Responsabil Comments/ Responsible
	<i>IOSUD: Online meeting with employers of doctoral graduates</i>	<i>members of IOSUD evaluation panel</i> - reprezentanți ai angajatorilor employers' representatives	
12:30-13:30	Activități de evaluare <i>Evaluation activities</i> Domeniu: Întâlnire online cu directorii/responsabilii centrelor/laboratoarelor de cercetare aferente domeniului de studii universitare de doctorat <i>Domain: Online meeting with the Directors/ persons in charge of the research centers/laboratories within the doctoral study domain</i>	Comisia de evaluare domeniu <i>Domain evaluation panel</i> - membrii comisiei de experți evaluatori domeniu <i>members of Domain evaluation panel</i> -directorii centrelor / laboratoarelor de cercetare <i>directors of research centers/laboratories</i>	Înregistrare audio-video UDJG / platforma ZOOM <i>Audio-video recording UDJG / ZOOM platform</i> Domeniul Inginerie mecanică/Mechanical Engineering https://us02web.zoom.us/j/82498421312?pwd=WkhqczdvcFBPSUxyWjh3QW5ZdHIQQT09 Meeting ID: 824 9842 1312 Passcode: 210524
13:30 - 14:30	Activități de evaluare <i>Evaluation activities</i> Domeniu: Întâlnire online cu membrii Consiliului școlii /școlilor doctorale (CSD) în cadrul cărora funcționează domeniul evaluat <i>Domain: Online meeting with Doctoral Schools Council (CSD members)</i>	Comisia de evaluare domeniu <i>Domain evaluation panel</i> - membrii comisiei de experți evaluatori domeniu <i>members of Domain evaluation panel</i> -membrii CSD <i>CSD's members</i>	Înregistrare audio-video UDJG / platforma <i>Audio-video recording UDJG / ZOOM platform</i> Domenii Chimie/Chemistry Inginerie și management în agricultură și dezvoltare rurală/Engineering and management in agriculture and rural development Ingineria materialelor/Materials engineering https://us02web.zoom.us/j/84298226316?pwd=c2RVM041NTRJcWF5dklOMjI5OEhEdz09 Meeting ID: 842 9822 6316 Passcode: 115254 Domeniul Medicină/Medicine https://us02web.zoom.us/j/81568236365?pwd=QXRCYmtCQ01rdUpkMUM4Z2tjWDIKQT09 Meeting ID: 815 6823 6365 Passcode: 54055 Domeniul Economie/Economy https://us02web.zoom.us/j/82129619816?pwd=OEY4SjBmWlhsNmtBVUpQeUtaSDIQz09 Meeting ID 821 2961 9816 Passcode151087 Domeniul Management https://us02web.zoom.us/j/82129619816?pwd=OEY4SjBmWlhsNmtBVUpQeUtaSDIQz09 Meeting ID 821 2961 9816 Passcode151087 Domeniul Știința sportului și educației fizice/Sport science and physical education https://us02web.zoom.us/j/82129619816?pwd=OEY4SjBmWlhsNmtBVUpQeUtaSDIQz09 Meeting ID 821 2961 9816 Passcode151087 Domeniul Istorie/History https://us02web.zoom.us/j/82129619816?pwd=OEY4SjBmWlhsNmtBVUpQeUtaSDIQz09 Meeting ID 821 2961 9816 Passcode151087
14:45 - 15:45	Activități de evaluare <i>Evaluation activities</i> Domeniu: Întâlnire online a comisiei de evaluare cu reprezentanți ai angajatorilor	Comisia de evaluare domeniu <i>Domain evaluation panel</i> - membrii comisiei de experți evaluatori domeniu	Înregistrare audio-video UDJG / platforma <i>Audio-video recording UDJG / ZOOM platform</i> Domeniul Inginerie mecanică/Mechanical Engineering https://us02web.zoom.us/j/89346112224?pwd=YUsvVEZUSkVBUzNzcFo5b1Y2S2lsQT09 Meeting ID: 893 4611 2224 Passcode: 691809



Intervalul orar / Hour	Activitate / Activity	Participanți / Participants	Observații/ Responsabil Comments/ Responsible
	Online meeting for conclusions	IOSUD&domains evaluation panel - toți membrii echipei de evaluare all evaluation panel members	Passcode: 754153
12:30-13:30	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 <i>Meeting with representatives of the institution under review to discuss on the conclusions of the evaluation process and the main recommendations</i>	Comisia de evaluare IOSUD&domenii IOSUD&domains evaluation panel - toți membrii echipei de evaluare all evaluation panel members - reprezentanții universității university's representatives	Înregistrare audio-video UDJG / platforma ZOOM Audio-video recording UDJG / ZOOM platform https://us02web.zoom.us/j/82593549416?pwd=eW4vM3RVbVlmsDhEOW56dHNDZkl5dz09 Meeting ID825 9354 9416 Passcode 681975

Prof. univ. dr. Ion POPA

Prof.univ.dr. Eugen RUSU

Director de misiune

Director CSUD