



HELLENIC REPUBLIC
MINISTRY OF DEVELOPMENT AND INVESTMENTS
GENERAL SECRETARIAT FOR RESEARCH AND INNOVATION
HELLENIC FOUNDATION FOR RESEARCH AND INNOVATION

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CONTENTS

GENERAL INFORMATION.....	3
1. MISSION.....	4
2. OBJECTIVES AND VALUATION PROCEDURES.....	4
3. INSTITUTIONAL FRAMEWORK.....	6
4. H.F.R.I. FUNDING.....	6
5. H.F.R.I.'s ORGANIZATION CHART.....	9
5.1 ADMINISTRATIVE BODIES - EFFICIENCY OF H.F.R.I.'s ADMINISTRATION MODEL.....	9
5.2 H.F.R.I.'s STAFFING.....	15
6. H.F.R.I.'s SEAT.....	19
7. H.F.R.I.'s ACTIONS: CALL - EVALUATION - FUNDING.....	19
7.1 DESCRIPTION OF ACTIONS.....	19
7.2 BUDGET ALLOCATION BY ACTION/CALL AND BY SCIENTIFIC/THEMATIC AREA – RESEARCH SECTOR.....	22
7.3 RANGE OF CALLS.....	23
7.4 PERIODICITY OF CALLS.....	24
7.5 IMPLEMENTATION OF ACTIONS.....	24
7.6 H.F.R.I.'s WEB PORTAL.....	25
7.7 PROPOSAL/APPLICATION SUBMISSION.....	27
7.8 H.F.R.I.'s REGISTER OF CERTIFIED EVALUATORS/EXPERTS.....	30
7.9 EVALUATION: PROCESS-CRITERIA.....	31
7.10 EVALUATION'S SCHEDULE.....	36
7.11 MONITORING OF FUNDED PROJECTS.....	41
8. RESULTS-EFFECTS-IMPACT.....	42
8.1 FUNDING OF PROJECTS/SCHOLARSHIPS UNDER H.F.R.I. ACTIONS.....	42
8.2 H.F.R.I. DISSEMINATION AND PUBLICITY ACTIONS.....	50
8.3 IMPACT OF H.F.R.I.'s PROJECTS/SCHOLARSHIPS.....	52
8.4 IMPACT ON THE STRENGTHENING OF THE COUNTRY'S RESEARCH POTENTIAL.....	53
8.5 IMPACT OF H.F.R.I.'s ACTIONS ON THE PREVENTION OF THE OUTFLOW OF YOUNG SCIENTISTS ABROAD.....	54
9. SUMMARY-CONCLUSIONS.....	55
ANNEX I. Funding of equipment under the 1st Call for the procurement of high-value equipment.....	58
ANNEX II. Submissions – Funding and Success rates by Main Beneficiary for Projects and Scholarships.....	60
ANNEX III. Certification Reporting Template.....	66
ANNEX IV. Scientific Areas, Scientific Fields and Subfields in H.F.R.I. Calls.....	74

GENERAL INFORMATION

The Hellenic Foundation for Research and Innovation (H.F.R.I.) was established in 2016 as an independent funding institution with the aim to promote Research and Innovation in Greece and more specifically to support and assist unrestricted research without any thematic or geographical limitations, having Quality and Excellence as a unique criterion (<https://www.elidek.gr/>).

H.F.R.I.'s resources come on the one hand from the European Investment Bank under the loan agreement as of 15.07.2016 (**EUR 180,000,000**) and on the other hand from the co-funded component of the Public Investment Program (**EUR 120,000,000**). In addition, it has received a donation of **EUR 5,000,000** from the Stavros Niarchos Foundation.

In order to achieve its objectives, and under the terms of the Hellenic Republic's Agreement with the European Investment Bank as of 15.07.2016, the Foundation shall implement actions to:

- support Faculty Members and Researchers,
- procure high-value research equipment,
- award scholarships for writing the doctoral thesis,
- fund research projects where postdoctoral researchers are the principal investigators,
- to interconnect Science and Society and emblematic Actions.

Since 2017, H.F.R.I. has pre-published **twenty-two (22) Actions** amounting to **EUR 276,585,000** through its Operational Plan, fifteen (15) of which with a total budget of **EUR 195,695,000** have already been announced and are either at the evaluation stage and/or at the funding/implementation stage.

In the framework of the above actions, **4,894** applications for scholarships and **9,817** proposals for research projects were submitted and evaluated or are under evaluation, while **938** scholarships and **632** research projects are funded.

MISSION

H.F.R.I. was established in 2016 (Law 4429/2016) with the aim to promote Research and Innovation under the national strategy for Research and Innovation in order to support:

- **unrestricted research**, that is to say, research activities and technological applications resulting from the systematic research generated by scientific curiosity,
- the **country's scientific potential** (PhD candidates, Postdoctoral researchers and Faculty Members/Researchers) with a view to preventing the outflow of Greek scientists abroad, having scientific quality and excellence as a unique criterion, without any thematic or geographical limitations. This is the point where H.F.R.I.'s funding shall differ from the funding of the General Secretariat for Research and Innovation (GSRI) and the State Scholarships Foundation (IKY) with NSRF being the funding tool and hence the corresponding thematic and geographical limitations, which it shall specify.

In order to achieve its goals, the Foundation shall use the following funding tools:

- Scholarships for PhD Candidates
- Research projects for Postdoctoral Researchers
- Research projects for Faculty Members and Researchers
- Procurement of high-value research equipment
- Actions for interconnecting Science and Society and Emblematic actions

The **main beneficiaries** of the Foundation's funding are:

- Universities located in Greece,
- Research and technological institutions of article 13a of Law 4310/2014 (OGG A' 258)
- University Research Institutes
- The Hellenic Foundation for European & Foreign Policy (ELIAMEP)

Co-beneficiaries of funding may be companies, educational and research institutes as well as other public or private institutions in Greece.

OBJECTIVES AND VALUATION PROCEDURES

H.F.R.I. sets its objectives in accordance with its founding law, the terms of the Agreement as of 15.07.2016 between the Hellenic Republic and the European Investment Bank (EIB), the relevant Technical Bulletin (TB) of the Public Investment Program (PIP), the Ministerial Decisions and the Decisions of the Scientific Council (SC). Since 2017, the Foundation has updated its objectives annually through its Operational Plans (https://www.elidek.gr/new_epix_sxed/) which are the Decisions of the Scientific Council.

Based on the above, the objectives presented in *Table 1* below were set and implemented.

Table 1. H.F.R.I.'s objectives and rates of achievement

Objectives	Rate of achievement	Comments
Selection and Appointment of Administrative Bodies	100%	
Facility/Registered office of the Institution	100%	
Staffing <ul style="list-style-type: none"> i. Temporary staff ii. Appointment of Heads iii. Postings iv. Regular staff 	69% 100% 40% 0%	<i>Staffing shall be carried out in accordance with the Foundation's needs under the applicable provisions.</i>
Infrastructure (Integrated Information System)	80%	<i>Implemented</i> <ul style="list-style-type: none"> o <i>Electronic protocol and electronic transmission of documents</i> o <i>Accounting system</i> o <i>H.F.R.I.'s Web Portal (Main Systems for Project Submission, Evaluation, Management and Register)</i>
Institutional framework of operation (Internal Rules of Procedure)	100%	<i>Amendment required</i>
EIB Agreement (disbursement EUR 180,000,000)	100%	<i>In view of the achievement of the contract objectives, the total disbursement of EUR 180,000,000 has already been made from the EIB</i>
PIP Project <ul style="list-style-type: none"> i. €60,000,000 ii. €60,000,000 	75%	<i>Audit and certification pending for the first EUR 60,000,000 which have already been used.</i>
Action implementation <ul style="list-style-type: none"> i. Main research (Faculty Members/Researchers, over 38%) ii. Scholarships for PhD Candidates and research projects of postdoctoral researchers (over 38%) iii. High-value research equipment up to 16% iv. Science and Society (up to 8%) 	100%	<i>The rate of achievement is met by the total of pre-published actions (Section 7)</i>

The process of qualitative and quantitative check of the achievement of these objectives is carried out through the Annual Report, which includes the Foundation’s financial report and the report on activities and is published on its official website. The financial report shall include a balance sheet, an income statement and the cash flows of the Foundation. The annual report is audited and approved by the SC and the General Assembly (GA) of H.F.R.I. and is submitted to the competent Ministers (https://www.elidek.gr/new_epix_sxed/).

INSTITUTIONAL FRAMEWORK

H.F.R.I. is governed by:

1. The founding Law 4429/2016 (OGG A’ 199/21.10.2016) on the “Hellenic Foundation for Research and Innovation and other provisions”, as amended and in force.
2. The Internal Rules of Procedure: Joint decision No. 195245/2018 (OGG B’ 5252) issued by the Ministers of Education, Research and Religious Affairs, as well as Finance and Administrative Reconstruction on the “Internal Rules of Procedure of the Hellenic Foundation for Research and Innovation (H.F.R.I.)”, as amended and in force.
3. The Ministerial Decisions of article 5 par. 1 of Law 4428/2016 on the allocation of the Foundation’s resources by category of action and by scientific field, upon a suggestion from the Scientific Council.
4. The Agreement as of 15.07.2016 between the Hellenic Republic and the European Investment Bank.
5. The Technical Bulletin of the project 2016SAE01320007 titled “Hellenic Foundation for Research and Innovation”, as amended and in force.

All the aforementioned is available on H.F.R.I.’s website. <https://www.elidek.gr/thesmikoplezio/>.

6. The Decisions of the Scientific Council regarding the Annual Operational Planning of H.F.R.I.’s actions. (https://www.elidek.gr/new_epix_sxed/).

H.F.R.I. FUNDING

The resources of the Foundation may be:

- All types of funding/grants from the Government Budget (regular and Public Investment Program).
- Funding and all types of aid or grants coming from European Union bodies and institutions as well as other European or international organizations.
- Funding in line with the Agreement as of 15.07.2016 between the Hellenic Republic and the European Investment Bank; said funding is managed by the Foundation as a beneficiary on behalf of the Hellenic Republic.
- Donations, aid, inheritances, legacies, grants, sponsorships and all types of contributions coming from natural or legal persons of the public or private sector in Greece or abroad.

The existing resources of the Foundation come from:

- The Agreement as of 15.07.2016 between the Hellenic Republic and the European Investment Bank: **€180,000,000¹**.
- The co-funded component of the Public Investment Program: **€120,000,000**.
- A donation from the Stavros Niarchos Foundation (SNF) for the bridge co-funding along with H.F.R.I. of researchers who have submitted research proposals to the calls of the European Research Council (ERC), have been evaluated and graded with A or B during the second evaluation phase, but have not been funded: **€5,000,000**.

It is worth noting that with the aim of funding practical Innovation actions (e.g. recording potential commercially exploitable research results in Universities and Research Centers and linking with financial/business operators) private resources were sought, mainly from big Greek companies, such as Hellenic Petroleum, Intracom, Bank of Greece, etc., but despite the positive indications at the beginning, the effort did not pay off mainly due to the difficulties caused by the Covid-19 pandemic.

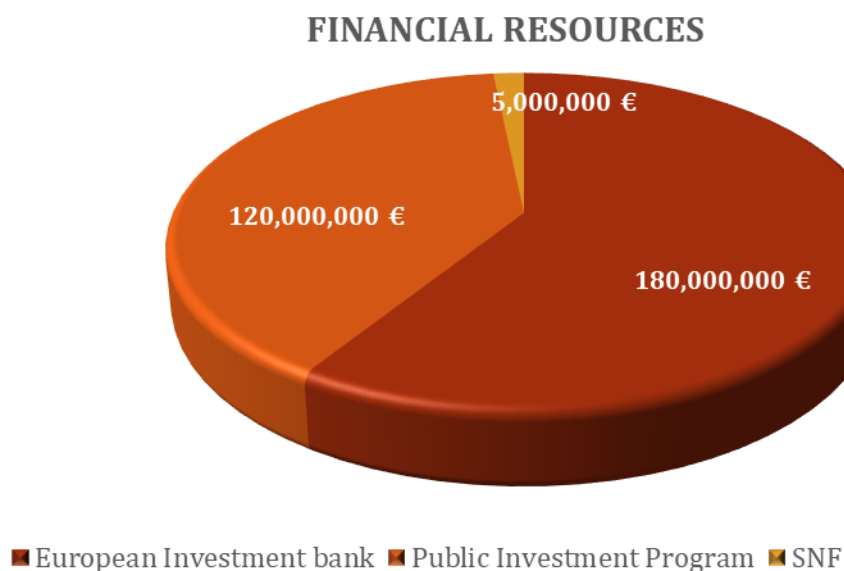


Figure 1. Amount and source of H.F.R.I.’s financial resources

H.F.R.I.’s resources are allocated on the one hand to financial actions and on the other hand to the coverage of the Foundation’s operational needs as shown in *Table 2* below:

¹ The total amount of €180,000,000 has already been disbursed from the European Investment Bank with the last €56,000,000 to be provided to H.F.R.I. within 2021.

Table 2. Allocation of H.F.R.I.'s financial resources by funding source.

ALLOCATION OF RESOURCES (€) BY FUNDING SOURCE							
	EIB	PIP 1	PIP 2	TOTAL (PIP)	SNF DONATION	CAPITAL RETURNS	GRAND TOTAL
H.F.R.I.'s ACTIONS	143,500,000	25,000,000	55,000,000	80,000,000	5,000,000	585,000	229,085,000
H.F.R.I.'s OPERATING EXPENSES	18,500,000	4,622,252.75	5,000,000	9,622,253			28,122,253
ACTIONS THROUGH GSRI	17,500,000	30,000,000		30,000,000			47,500,000
GSRI's OPERATING EXPENSES	500,000	377,747.25		377,747.25			877,747
TOTAL	180,000,000	60,000,000	60,000,000	120,000,000	5,000,000	585,000	305,585,000

H.F.R.I.'s operating expenses, according to the provisions of the Agreement as of 15.07.2016 between the Hellenic Republic and EIB, may amount to **10%** of the budget.

Table 2 above shows that these operating expenses amount to 9.49% of the budget and relate to the whole period of implementation of actions (2016-2029). Indicatively, the operating expenses relate to Payroll, Fees of Evaluators and Certifiers, Rent and Benefits of Third Parties, Third party Fees, Fixed costs, Repairs, Maintenances and Taxes.

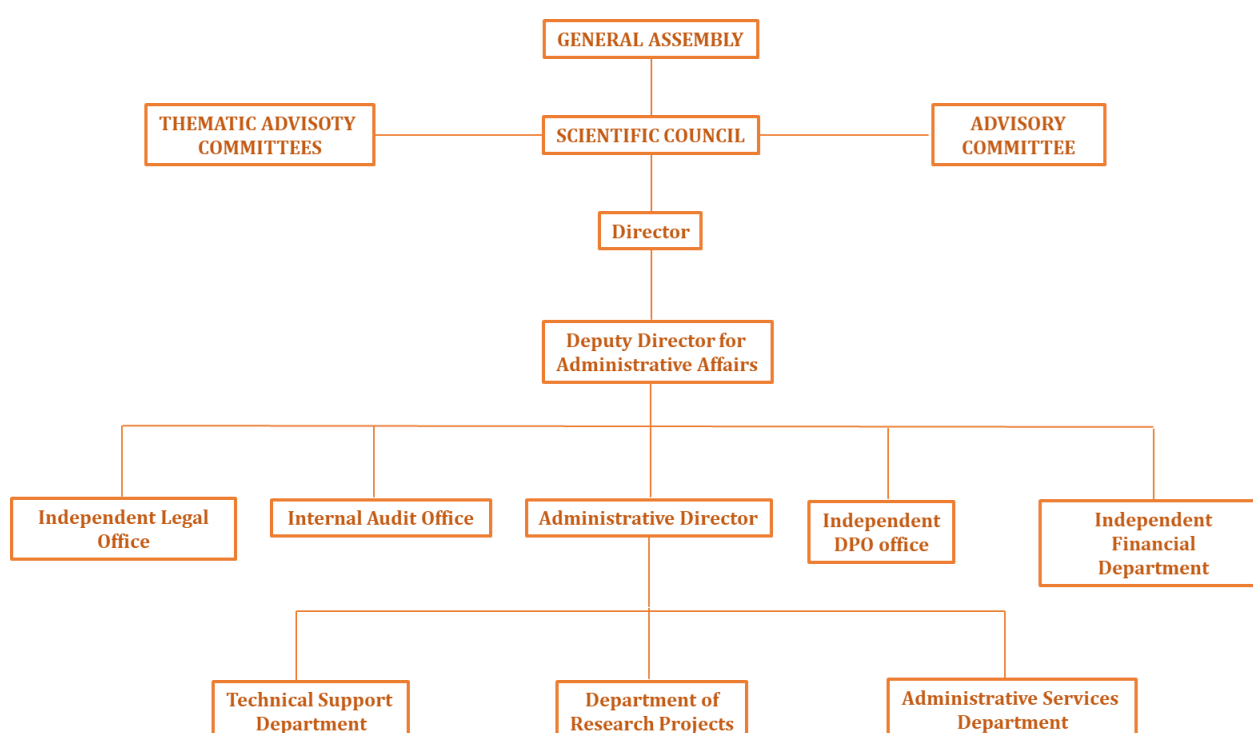
**Figure 2.** Allocation of H.F.R.I.'s financial resources to operating expenses and actions for the period 2016-2029.

The budget is allocated to H.F.R.I.'s financial actions according to the terms of the Agreement as of 15.07.2016, the relevant Ministerial Decisions and the Decisions of the Scientific Council of H.F.R.I., which, having regard to the above, shall decide on the Financial Management of the Institution.

Table 3. Budget allocation to financial Actions.

ACTIONS	NUMBER OF ACTIONS	COMMITTED BUDGET
Total of budget available for actions		€276,585,000
Pre-published	22	€276,585,000
Ongoing (Call-Evaluation-Funding)	15	€195,695,000
Future actions	7	€80,890,000

H.F.R.I.'s ORGANIZATION CHART

**Figure 3.** H.F.R.I.'s Organization Chart

5.1 ADMINISTRATIVE BODIES - EFFICIENCY OF H.F.R.I.'s ADMINISTRATION MODEL

H.F.R.I.'s administration scheme is a profound reform in public administration and in particular in the field of Research and Innovation in the country. For the first time, the research and academic community itself participates in the administration of a research funding institution, through its General Assembly, elects the members of the Scientific Council and can be a key factor in shaping the country's research policy.

It should be noted that this administration model, as described in detail in the following sub-sections, apart from being innovative, first ensures the independence of the Institution.

The establishment, staffing and development of the Institution, along with the implementation at the same time of its objectives and purposes through its actions, over a period of about four (4) years, constitute the clearest index of high efficiency and effectiveness of this administration scheme (General Assembly, Scientific Council, Director and Deputy Director and Advisory Committee).

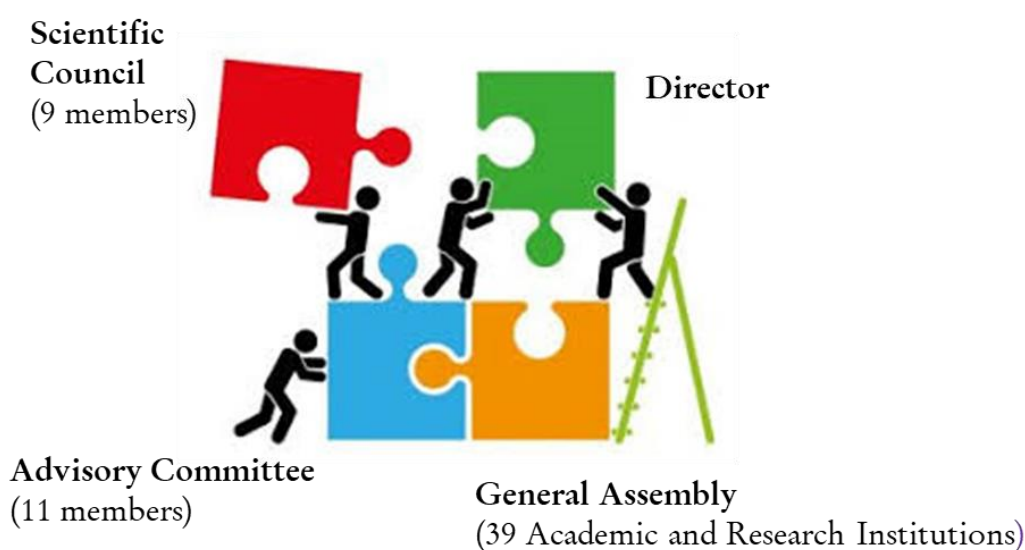


Figure 4. H.F.R.I.'s administrative bodies

5.1.1 GENERAL ASSEMBLY

The General Assembly (GA) guarantees the Foundation's independence. The Higher Educational Institutions (HEIs) and the Research Institutions (R.C.-I.) of the country are represented in the General Assembly based on criteria set by the National Council for Research and Innovation (NCRI). Renowned scientists with extensive research work and experience are elected as members of the GA.

36 Institutions are represented in the current GA (<https://www.elidek.gr/organa-diikisis/geniki-synelefsi/>).

The term of office of the GA members shall be three years and may be renewed only once (1).

Responsibilities of the General Assembly:

- Elects the members of the Scientific Council
- Approves partnerships and collaborations with other Bodies of the public and private sector in Greece or abroad for the achievement of H.F.R.I.'s objectives
- Submits proposals to the Scientific Council on issues related to the research activities of H.F.R.I.
- Approves the annual report (financial report and report on activities).

GA's Selection Procedure

The members of the General Assembly shall be selected from Greek AEIs and institutions of article 13a of Law 4310/2014 under the following procedure:

1. NCRI specifies, every two years, by its decision, the criteria that document significant research performance and which must be met by the country's HEIs and the institutions referred to in article 13a of Law 4310/2014, in order to appoint members in the Foundation's General Assembly.
2. Then, NCRI draws up a list of institutions meeting the above criteria and communicates it to the SC and the Institutions.
3. The Senate and the Board of Directors of each Institution included in the above list address an open call for expression of interest for the selection of one (1) member and his/her alternate, in order to staff the General Assembly of the Foundation.
4. After evaluating the applications, the Senate of the AEI, upon the recommendation of the Research Committee and the Board of Directors of the institution of article 13a of Law 4310/2014 respectively, shall select the full member and his/her alternate and inform the Foundation accordingly. The decision must be justified in terms of the scope and quality of the research project, as well as the research experience of the selected persons.
5. The Board of Directors of the Biomedical Research Foundation of the Academy of Athens shall select one member with his/her alternate and the Administration of the Academy of Athens shall select one member with his/her alternate from the research centers of the Academy of Athens.

The setting-up of the GA shall be performed by decision of the Minister, which is published in the Official Government Gazette.

The members of the GA shall avoid any case in which a conflict of interest may arise. They also have an obligation of confidentiality and are bound by professional secrecy.

5.1.2. SCIENTIFIC COUNCIL

The Scientific Council (SC) of the Foundation consists of nine (9) full members, internationally acclaimed scientists, coming from the following fields:

a) Physical Sciences, b) Engineering Sciences and Technology, c) Medicine and Health Sciences, d) Agricultural Sciences, e) Mathematics and Information Sciences f) Social Sciences, g) Humanities, h) Environment and Energy and i) Innovative Entrepreneurship.

Individuals who have been distinguished for their international work and experience in the respective field above shall be elected as members of the SC. The term of office of the SC members shall be four years (<https://www.elidek.gr/organa-diikisis/epistimoniko-symvoulio/>).

Responsibilities of the Scientific Council:

- Ensures the achievement of the Foundation's goals, based on the national policy for research and innovation.
- Accepts donations and all types of funding.

- Establishes the judging committees and the objection committees for the evaluation of the proposals and the selection of the final beneficiaries and monitors their proper functioning in line with the principles of meritocracy and transparency. The members of the Scientific Council may not participate in these committees.
- Approves the Foundation's budget, upon the recommendation of the Director.
- Recommends to the General Assembly any collaborations and partnerships of the Foundation with public and private sector bodies, in Greece or abroad.
- Recommends the amendment of the Internal Rules of Procedure to the Minister.
- Approves the operation of the Foundation's services and offices in other cities of Greece, following recommendation given by the Director.
- The SC shall be responsible for any issue concerning the administration of the Foundation, which is not assigned to the General Assembly or to the Director.

Up to three (3) members of the Advisory Committee who are appointed by the decision establishing the Advisory Committee as well as a representative of the General Secretariat for Research and Innovation, appointed by the supervising Minister, shall be eligible to attend the meetings of the Foundation's SC.

SC's Selection Procedure

The members of the Foundation's SC shall be selected as follows:

1. The General Assembly prepares and posts on the Foundation's website an international call for expression of interest for the filling of the above nine (9) positions, three months before the end of the term of office.
2. Applications are submitted online by interested parties. The GA appoints a nine-member Appointments Committee from its members, in which the nine fields of the above paragraph are represented. In case a field is not represented in the General Assembly, the General Assembly appoints an external member with significant international activity in the respective field to the Appointments Committee. The committee evaluates the applications and then recommends to the General Assembly a list of candidates by field, in order of evaluation.
3. The General Assembly selects from the list of candidates the members of the SC, one for each field, provided in the above paragraph. The setting-up of the SC shall be performed by decision of the Minister, which is published in the Official Government Gazette.

The SC, after its constitution, elects a Chair and a Vice-Chair. The SC's Chair is elected by its members for a four-year term, which cannot be renewed.

The members of the SC shall avoid any case in which a conflict of interest may arise. They also have an obligation of confidentiality and are bound by professional secrecy.

5.1.3. DIRECTOR

The Director of the Foundation is an internationally acclaimed scientist with expertise, administrative experience and remarkable research activity. The Director shall be appointed by a decision of the competent Minister, which is published in the Official Government Gazette, for a four-year term, renewable only once.

If for any reason the Director is absent or is prevented from performing his/her duties, following a reasoned decision of the Scientific Council, his/her duties shall be performed by the Chairman of the SC or by one of its members.

The Director of the Foundation shall perform his/her duties under a full-time and exclusive employment (<https://www.elidek.gr/organa-diikisis/diefthyntis/>).

Responsibilities of the Director:

The Director implements the strategy of the Foundation that has been decided by the SC and has the following responsibilities:

1. Heads the services of the Foundation, is responsible for its smooth operation and is the authorizing officer of all its expenses.
2. Prepares and publishes the calls for actions funded by the Foundation, according to the annual action plan and the decisions of the SC.
3. Ensures that the Foundation's budget targets are achieved.
4. May request the convening of the GA and the SC in an extraordinary meeting, always through the Chairman of the respective collegiate body and participate without the right to vote in their meetings.
5. Prepares the annual report, which shall be submitted to the SC and then, for approval, to the GA.
6. Seeks funding sources for the Foundation.
7. Represents the Foundation in and out of court.
8. Issues the funding decisions, after the evaluation by the relevant committees.
9. Decides any extraordinary administrative and on-the-spot inspections of the actions funded by the Foundation and sets up the administrative and on-the-spot inspection bodies for the performance of these acts.
10. Recommends to the General Assembly and the Scientific Council any collaborations and partnerships of H.F.R.I. with public and private sector bodies, in Greece or abroad.

The Director may transfer the exercise of specific responsibilities in each case to an employee of the Foundation, as well as the right to sign by his/her order.

Director's Selection Procedure

The Director of the Foundation shall be selected as follows:

1. The competent Minister shall issue and publish an open international call for interest to fill the position of Director at least six (6) months before the end of the term of office.
2. In order to evaluate the candidates, a special judging committee shall be established, following the decision of the competent Minister, consisting of seven (7) acclaimed scientists with knowledge on the research subjects, the scientific fields of the Foundation and sufficient national and international experience in utilizing the research results and managing any bodies or research teams. The members of the committee shall be appointed as follows: five (5) members according to the procedure of case c' and two (2) members according to the procedure of case d'.
3. In order to set up the special judging committee of case b' Law 4429/2016, the Scientific Council shall suggest to the National Council for Research, Technology and Innovation (NCRI) a list of at least fifteen (15) candidate judges, who shall have the required qualifications, no later than two (2) months after the submission end-date for applications for the position of

Director. The suggested judges can also come from the members, either of the Scientific Council or of the General Assembly of the Foundation. The NCRI shall have the right to add other members to this list or to remove any from it. If the period of two (2) months has elapsed without action, the NCRI shall suggest the members of the list. From the list of members suggested by the NCRI, the competent Minister shall select and appoint five (5) members with their alternates. The Scientific Council, within two (2) months after the submission end-date for applications for the position of Director, shall select two (2) members with their alternates for the setting up of the special judging committee, who may also come from the members of either the Scientific Council or the General Assembly of the Foundation. If the above period within which the Scientific Council has to appoint the aforementioned members has elapsed without action or if less members are appointed than the ones suggested, the NCRI shall appoint the two (2) members, with their alternates or those members missing, from the list of case c’.

4. The members of the special judging committee shall not be allowed to be candidates for the position that has been announced. The special judging committee shall evaluate the candidates with specific justification and shall submit a list to the competent Minister including their evaluation order. In order to evaluate the candidates, the opinion of the last Director shall be also taken into account, which shall be expressed before the committee. In case the last Director shall be a candidate again, no opinion shall be expressed by him/her. The above opinion shall be expressed, as provided in the Internal Rules of Procedure of the Foundation.
5. The competent Minister by his decision, published in the Official Government Gazette, shall compulsorily appoint the first person in the evaluation list as the Foundation’s Director; otherwise, in case of non-acceptance of the appointment by the specific candidate, the Minister shall appoint the second, otherwise the third person in the list. The Director shall sign a fixed-term contract or, if he/she is a civil servant, he/she shall be entrusted with the Director’s duties.

H.F.R.I.’s Director shall avoid any case in which a conflict of interest may arise. He/She also has an obligation of confidentiality and is bound by professional secrecy. If the Director is a University Professor or a Researcher of a research center, his/her duties shall be suspended for the entire duration of his/her term of office.

5.1.4. DEPUTY DIRECTOR

The two (2) Deputy Director positions provided for in Law 4429/2016 were eliminated.

The term of office of the existing Deputy Director of the Foundation shall expire in accordance with the provisions in force before the publication of this report. (<https://www.elidek.gr/organa-diikisis/anaplirotes-dieythyntes/>).

The Deputy Director of H.F.R.I. shall perform her duties under a full-time and exclusive employment and shall avoid any case where a conflict of interest may arise. She also has an obligation of confidentiality and is bound by professional secrecy.

5.1.5. ADVISORY COMMITTEE

The Advisory Committee, which is independent of the other bodies of the Foundation, consists of eleven (11) members, who are distinguished internationally acclaimed scientists or come from business and/or production agencies, domestic or foreign. The term of office of the members of the Advisory Committee shall be four years (<https://www.elidek.gr/organa-diikisis/symvouleftiki-epitropi/>).

Responsibilities

The Advisory Committee has a consultative role and is responsible for evaluating the action of the Foundation as well as formulating opinions and recommendations in order to optimize its operation. It examines issues of particular importance or issues of special interest in terms of the Foundation's operation and the funding of research and innovation. Issues shall be examined either at the request of the Minister or the Scientific Council or on a proposal by members of the Advisory Committee.

The meetings of the Foundation's Scientific Council may be attended by up to three (3) members of the Advisory Committee. These members are specified in the establishment decision of the Advisory Committee.

Selection Procedure

The National Council for Research, Technology and Innovation (NCRI), three (3) months before the end of the term of office of the members of the Advisory Committee, prepares and submits to the Minister and the Scientific Council a list of twenty-two (22) suggested members, six (6) of which are at the same time members of NCRI. From this list the Minister selects six (6) members, while five (5) members are selected by H.F.R.I.'s Scientific Council. Up to three (3) out of the eleven (11) members of the Advisory Committee may also be members of NCRI. The setting-up of the Advisory Committee shall be performed by decision of the Minister, which is published in the Official Government Gazette.

5.2 H.F.R.I.'s STAFFING

H.F.R.I. consists of one (1) Directorate, one (1) independent department and three (3) independent offices as follows:

1. **Directorate of Administrative Services and Research Projects**, which is headed by the Administrative Director, who reports on the Director and the Deputy Director. The Administrative Director shall coordinate the activities of the departments and ensure the smooth administrative operation of the Directorate.

The Directorate of Administrative Services and Research Projects includes:

- The Administrative Services Department. The Administrative Services Department includes all the secretarial support of the Foundation's administrative bodies and collegiate bodies, the observance of the protocol, public relations and the promotion of its activities as well as the responsibilities of the Human Resources office. The Head of the Administrative Services Department reports on the Administrative Director, coordinates and ensures the coordination and proper operation of the department.

The Department is staffed by four (4) employees under a fixed-term private law employment contract and from time to time and until the post is filled by an external partner in the field of communication (<https://www.customer-first.gr/>).

- The Department of Research Projects. The Department of Research Projects includes all services on the one hand for planning and on the other hand for implementing H.F.R.I.'s financial actions. Furthermore, this department shall process and evaluate data relating to the Foundation's financial and other actions. The Head of the department reports on the Administrative Director, coordinates and ensures the coordination and proper operation of the department.

The Department is staffed by thirteen (13) employees under a fixed-term private law employment contract and one (1) employee on a posting.

- The Department of Technical Support, Facilities, Equipment and Information Systems. The Department of Technical Support, Facilities, Equipment and Information Systems includes all H.F.R.I.'s technical support services of buildings and other facilities, equipment as well as information systems. The Head of the department reports on the Administrative Director, coordinates and ensures the coordination and proper operation of the department.

The Department is staffed by two (2) employees under a fixed-term private law employment contract and an external partner in charge of networks (<https://cubee.gr/>).

2. The Independent Financial Department. The Independent Financial Department includes all the responsibilities of the Financial Management of the Accounting Office, payroll and procurements and the cash management office. The Head of the department coordinates and ensures the coordination and proper operation of the department and performs the duties of the Head of Financial Services of articles 25, 26 and 69C of Law 4270/2014.

The Department is staffed by four (4) employees under a fixed-term private law employment contract, one (1) employee on a posting and an external financial advisor (QUANT LAB Private Capital Co).

3. The Independent Legal Office. The Legal Office is under the responsibility of H.F.R.I.'s Director.

The staff of the Legal Office works with the Administrative Director on matters pertaining to its competence.

The department is staffed by one (1) employee during the 50% of his/her time under a fixed-term private law employment contract and the legal advisor who is a Supreme Court lawyer and an external partner of the Foundation (titloi-spoudon.pdf).

4. The Independent DPO Office (under the law). The Data Protection Officer shall ensure the implementation of the Data Protection Policy and the rules arising by specifying the appropriate audit procedures. DPO also ensures that appropriate technical and organizational measures are implemented and that all necessary actions are performed to ensure full compliance of the Foundation with applicable European and national legislation on data protection and information security.

The department is staffed by one (1) employee during the 50% of his/her time under a fixed-term private law employment contract.

5. The Independent Internal Audit Office (under the law).

According to the Institutional Framework, the Foundation's staff may be recruited and employed under:

1. An open-term employment contract (Regular Staff), by virtue of Law 2190/1994 (A' 28). This staff is subject to the provisions of Chapter B of Law 4354/2016.

Thirty-five (35) posts are provided and none (0) is filled.

2. Project lease contract or fixed-term private law employment contract or remunerated mandate (Temporary Staff) up to three years with the possibility of renewal. These contracts are concluded notwithstanding the provisions of Law 2190/1994 and in accordance with the provisions of par. 23 of article 2 of Law 2621/1998.

Thirty-five (35) posts are provided and twenty-six (26) are filled.

Recruitment procedure under a fixed-term private law employment contract

- For the recruitment of such staff, H.F.R.I.'s Director prepares and posts on H.F.R.I.'s website a relevant call for expression of interest.
 - The call shall indicate the subject-matter of the contract, specify the qualifications required according to the post under the call, as well as how they are evaluated along with the deadline and method of submission of applications.
 - By the same decision, the Director appoints a three-member evaluation committee, consisting of H.F.R.I.'s staff or external members or members of its administrative bodies (GA, SC).
 - The evaluation committee shall evaluate the applications, rank the candidates according to their qualifications and recommend to the Director.
 - The evaluation committee may, if necessary, invite candidates (or some of them) to an interview.
3. On a posting from public services or other Legal Person, of Public or Private Law
- Five (5) posts are provided and two (2) are filled.***

5.2.1 EXISTING HUMAN RESOURCES

The existing human resources of H.F.R.I. amount to twenty-five (25) employees under a fixed-term private law employment contract and two (2) employees on a posting.

Their recruitment was performed in accordance with the provisions of article 10 of Law 4429/2016, after an open process and evaluation.

H.F.R.I.'s personnel has high qualifications as well as vision and faith in the values and objectives of the Foundation and their remuneration is based on Law 4354/2015 (unified wage).

The brief CVs of the Foundation's personnel, by department, are available at the following link ([titloi-spoudon.pdf](#)).

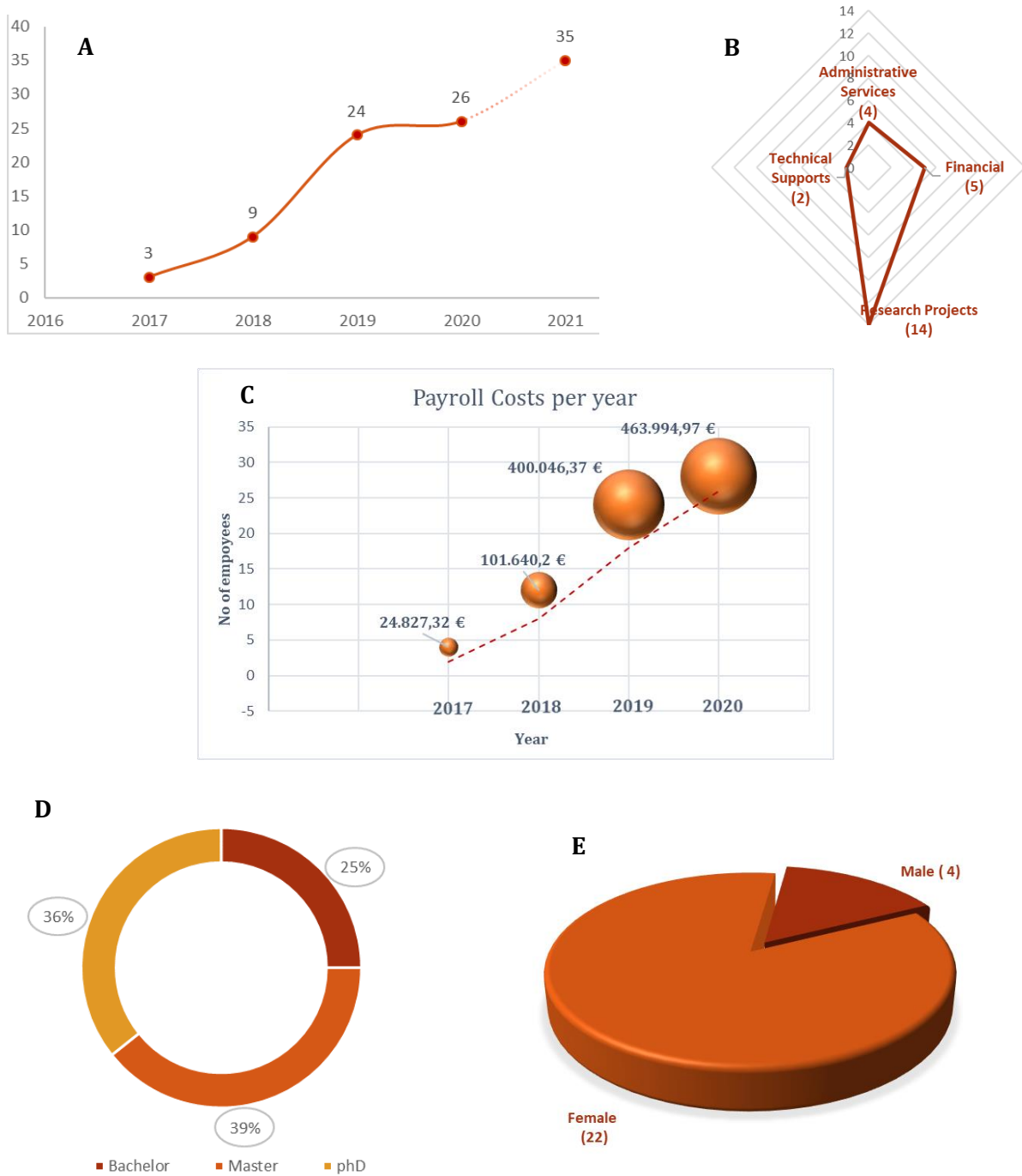


Figure 5. *A. Number of employees in H.F.R.I. during the period 2017-2020, B. Staffing of the operating departments of H.F.R.I. (number of employees per Department), C. Payroll costs per year according to the number of employees, D. Level of education of employees, E. Ratio of male/female employees in H.F.R.I.*

H.F.R.I.'s SEAT



H.F.R.I. was hosted from 2017 to May 2020 in a building of the Hellenic Pasteur Institute. Since then, H.F.R.I.'s seat has been at Nea Smyrni in a building leased from the National and Kapodistrian University of Athens (EKPA) following an open process in accordance with the applicable provisions. Please note that the building has been adapted to the needs of the Foundation while the rent paid by H.F.R.I. is used by EKPA for the award of scholarships.

H.F.R.I.'s ACTIONS: CALL - EVALUATION - FUNDING

7.1 DESCRIPTION OF ACTIONS

H.F.R.I.'s financial schemes are the following:

- Scholarships for PhD Candidates** The action aims to support PhD Candidates in order to conduct high-level research in Greece. This action aims at funding PhD Candidates for the preparation of their doctoral thesis in Higher Educational Institutions (HEI) and Higher Military Educational Institutions (ASEI) in Greece and contributes to preventing the outflow of young scientists abroad. It is an action of excellence without any thematic and geographical limitations and is differentiated from that of IKY as it does not set any income criteria for their eligibility/funding.
- Research projects for Postdoctoral Researchers** The action is designed to support Postdoctoral Researchers in order to guide the implementation of a Research Project as Principal Investigators (PI) and to create their own Research Team. The ultimate goal of the action is the formation of new perspectives in the scientific and professional course of both the PR/PI and the members of the Research Team of the project, and the creation of appropriate conditions for utilizing the existing scientific potential of the country and attracting young scientists working abroad. While the other available financial tools (NSRF) either grant scholarships to postdoctoral researchers or support postdoctoral researchers as members of research teams, H.F.R.I. funds research projects in which the Postdoctoral Researcher is the PI of the project.
- Research projects for Faculty Members and Researchers** The aim of the action is to support the Blue Sky Research and to fund selected high-quality research projects in two categories depending on the academic/research level of the PI. This action follows and complements the actions of H.F.R.I. to support PhD candidates and postdoctoral researchers within the framework of providing support to newly appointed Faculty Members and Researchers in the early stages of their career. Furthermore, this action is part of the utilization of the country's scientific potential, aiming at keeping young scientists and attracting those working abroad.

Furthermore, H.F.R.I. is differentiated from other National Funding Institutions (GSRI, EYDE-ETAK) in terms of the type of research funded as it supports the **Blue Sky Research** without geographical limitations (without regionality criteria) and in all research fields including

important scientific areas such as Social Sciences and Humanities, which have been at the margins for years without the possibility of funding.

4. **Procurement of high-value research equipment:** This action aims to procure research equipment of high value and strategic importance, in the context of the effort to support research activity in the country. The action is implemented in Higher Educational Institutions (AEI), University Research Institutes (URI) and Research Centers-Institutes of the country called Host Institutions (HI) by strengthening or expanding their existing research structures. It should be noted that the main condition of funding is to ensure the provision of open access to the use of equipment, thereby strengthening, in addition to the beneficiaries, the wider academic and research community.

In *Annex I* the infrastructure funded under the 1st relevant call shall be indicated.

5. **Science and Society Action – Emblematic Actions:** The aim of the action is to implement emblematic actions through which the interconnection of science and society is sought, namely the dissemination of scientific knowledge in the wider society as well as the development of a wider research culture. More specifically, under this Action, the following have been announced:

“200 years from the Greek Revolution”

The cycle of H.F.R.I. activities on “Science and Society” was inaugurated with the Call “200 Years from the Greek Revolution” aimed at funding the public promotion of research projects or actions of high scientific and/or artistic quality, which highlight various aspects of the Greek Revolution of 1821 with innovative approaches, such as the impact it had on the formation and evolution of the economy, society, culture and politics in the Greek state and/or the European dimension of the event. The completion of the 10 funded projects covering a wide range of issues related to the Greek Revolution of 1821 is expected to be achieved in 2021, a landmark year for our country, as it is the 200th anniversary of the Greek Revolution, whose importance has been crucial for Greek and European history.

“ALWAYS STRIVE FOR EXCELLENCE – THEODORE PAPAZOGLU”

The action aims at supporting the research effort of Greek Researchers, who were positively evaluated by ERC but did not receive funding due to budget exhaustion, in order to be able to continue their research work and be able to resubmit their research proposal (or a newer version thereof) in a subsequent ERC call; it is co-funded by the Stavros Niarchos Foundation. As part of this Action, **five (5) projects** have so far been funded and the evaluation process of **two (2) more projects**, which have been graded with A during the 2nd evaluation Phase in ERC Actions, is under way. Proposals for the Action will be submitted twice a year until the budget is exhausted. It is noted that a request has been forwarded by the SC of H.F.R.I. to the Stavros Niarchos Foundation regarding the possibility of funding the overall research proposal, as submitted to ERC and graded with A.

Field research for data collection in Greece under the “10th wave” of the European Social Survey

The main aim of the Call was to fund research projects regarding the conduct of the 10th wave of the European Social Survey-ESS, to make available and disseminate the scientific findings that will arise to the scientific community for secondary analysis, as well as to implement all preparatory actions required for the launch and completion of this European Social Survey. The research project selected for funding mainly concerns the depiction of attitudes,

perceptions and behaviors of Greek male and female citizens towards a series of critical social, political and cultural issues and is expected to be completed this year (2021), bringing significant benefits both to the academic community and to non-academic institutions, governmental and non-governmental. **It is the first time since 2008 that Greece has participated in the collection of these very important data for Social Survey.**

“Research, Innovation and Dissemination Hubs”

The aim of the action was to interconnect scientific research and society and to disseminate scientific knowledge to society in three thematic areas: Thematic area 1 “Research and Innovation Hubs in Education”, thematic area 2 “Research Dissemination Hubs” and thematic area 3 “Circular and Social Economy Hubs”. The funding of selected projects by H.F.R.I. is expected to have a strong social impact, as through the implementation of projects, the immediate beneficiaries as well as the wider society will participate in scientific knowledge and at the same time form a broader research culture. In particular, the projects to be funded will benefit in particular pupils of Primary and Secondary education in schools that extend across a wide geographical range and/or concern remote areas of Greece with limited access/participation in educational activities related to the dissemination of science in the wider society (see border areas). Also, for the first time, projects are funded which involve the dissemination/promotion of research projects/actions related to either circular or social economy in the wider society to specific social groups (e.g. to pupils of Primary and Secondary Education, young scientists, socially vulnerable groups) and/or to remote geographical areas through innovative, original approaches.

“Interventions to address the economic and social effects of the COVID-19 pandemic”

The aim of the emblematic action “Interventions to address the economic and social effects of the COVID-19 pandemic” was to contribute to addressing the economic and social effects of the COVID-19 pandemic and to developing economically viable technologies that will help address these problems.

The funding of proposals in four (4) Research Sectors (Economy, Society, Production and Medical Technology) is a practical and substantial contribution of H.F.R.I. to address the economic and social effects of the unprecedented conditions caused by the pandemic. Therefore, the impact of funded projects is expected to be rather positive.

“The emerging landscape of digital work in humanities in the context of the European infrastructures DARIAH and CLARIN”.

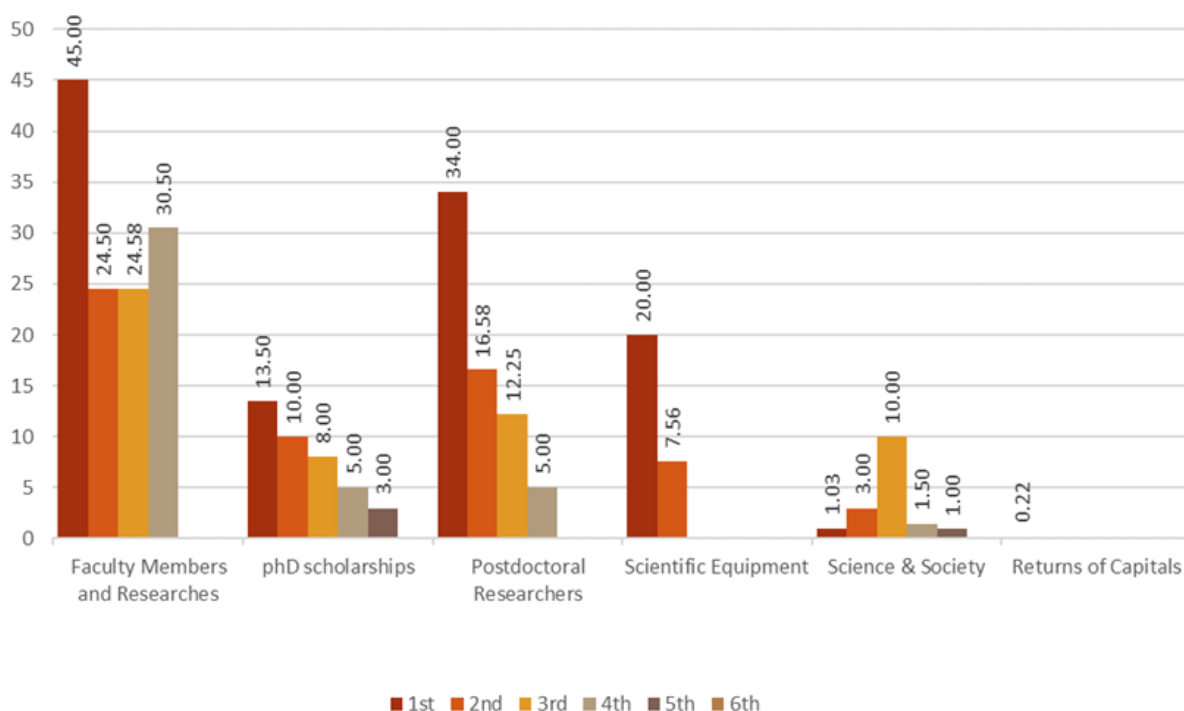
The aim of the Call is the targeted support of the comprehension of digital working methods and their penetration in Humanities in Greece and Europe and in particular the funding of research projects on the analysis of current trends and possibilities of digital work in Humanities in Greece in coordination with corresponding events in the European infrastructures DARIAH and CLARIN, utilizing services of the National Infrastructure for Digital Humanities and Arts and for Language Research and Innovation and its synergies with the European infrastructures DARIAH and CLARIN. Both infrastructures support the Greek scientific communities of Humanities, thus contributing to the development of research through the use of information technologies, broadening the scope of research through the interconnection of distributed digital resources of different types and promoting access, use, creation and long-term retention of research data in digital format.

It is worth noting that the Agreement as of 15.07.2016 between the Hellenic Republic and the European Investment Bank describes in detail the eligible actions/expenditures which can be funded by the Foundation. These actions refer exclusively to research projects and programs and therefore it is not possible to fund actions aimed at the promotion of innovation at a practical level or at the Foundation’s financial contribution to entrepreneurship-related activities.

Within this framework, H.F.R.I. included Innovation in the fields of research funded, as a scientific area in the scope of analysis, organization, management and promotion of Innovation. In the different Calls, and particularly for Faculty Members and Researchers, several proposals were submitted in this field. Moreover, the Emblematic Actions “Research, Innovation & Dissemination Hubs” and “Interventions to address the economic and social effects of the COVID-19 pandemic” relate mainly to innovation.

7.2 BUDGET ALLOCATION BY ACTION/CALL AND BY SCIENTIFIC/THEMATIC AREA – RESEARCH SECTOR

The allocation of H.F.R.I.’s total budget by Action/Call is carried out in accordance with the terms of the loan agreement with the European Investment Bank, the Technical Bulletin, the Ministerial Decisions and the decisions of the Scientific Council, as presented in *Figure 6* below:
Figure 6. Budget allocation in the different Calls for H.F.R.I.’s Actions



The allocation of the budget of each Call by Scientific/Thematic Area or Research Sector and/or category of proposal shall be made by decision of the Scientific Council, after the submission end-date, according to the ratio of the number of proposals/applications submitted in the respective Area/Sector to the number of overall proposals/applications submitted.

Indicatively, in the “2nd Call for H.F.R.I. Research Projects to support Faculty Members and Researchers” budget allocation by Scientific Area and Category of proposal was performed in accordance with *Table 4* below:

Table 4. Budget allocation in the “2nd Call for H.F.R.I. Research Projects to support Faculty Members and Researchers” by Scientific Area and Category of proposal

SCIENTIFIC AREA	SUBMISSIONS Cat. I	BUDGET Cat. I	SUBMISSIONS Cat. II	BUDGET Cat. II	TOTAL (€)
SA 1.Physical Sciences	78	940,800	205	2,474,500	3,415,300
SA 2. Engineering Sciences and Technology	111	1,340,150	264	3,187,450	4,527,600
SA 3Life Sciences (Medicine and Health Sciences)	159	1,920,800	310	3,743,600	5,664,400
SA 4.Agricultural Sciences – Food Science & Technology	76	918,750	121	1,460,200	2,378,950
SA 5.Mathematics and Information Sciences	43	519,400	118	1,425,900	1,945,300
SA 6.Social Sciences	71	857,500	152	1,835,050	2,692,550
SA 7.Humanities & Arts	36	433,650	91	1,097,600	1,531,250
SA 8.Environment and Energy	47	568,400	99	1,195,600	1,764,000
SA 9.Management and Economics of Innovation	15	181,300	33	399,350	580,650
Totals	636	7,680,750	1,393	16,819,250	24,500,000

7.3 RANGE OF CALLS

According to Annex A.1 of the loan agreement, the Foundation’s total budget is divided into four (4) main categories as follows:

1. funding of main research for Faculty Members and Researchers (minimum 38% of the total budget);
2. scholarships for PhD candidates and support for postdoctoral researchers (minimum 38% of the total budget);
3. procurement of high-value research equipment (up to 16% of the total budget); and
4. Special Program “Science and Society” for the dissemination of research (up to 8% of the total budget).

The above allocation shall be specifically implemented by annual decisions of the supervising Minister upon the suggestion of H.F.R.I.’s Scientific Council.

In this sense and as defined in the agreement with the European Investment Bank, H.F.R.I. follows a bottom-up approach, however combined with a top-down strategy. Its actions cover the entire range of main research without thematic, geographical or other limitations, but are specialized and adapted to the needs of the Greek research ecosystem through Emblematic Actions.

In the context of this strategy, the preservation and extension of the “Science and Society” Action as well as of the Emblematic Actions is important, as they have a broad impact.

7.4 PERIODICITY OF CALLS

The Calls for Actions to support main research follow a periodicity of **18 months per Action** on average, while Emblematic Actions and the “Science and Society” Action are announced more frequently, as detailed in *Table 5* below:

Table 5. H.F.R.I.’s periodicity of calls

ACTION	1st	2nd	3rd	4th*	5th*	6th*
Faculty Members & Researchers	Dec. 2017	Jan. 2020	Feb. 2022	Feb. 2024		
Scholarships for PhD candidates	Oct. 2016	Apr. 2018	Sept. 2020	Sept. 2021	Sept. 2022	
Postdoctoral researchers	Jan. 2017	Nov. 2018	Dec. 2020	Dec. 2022		
Procurement of equipment	Dec. 2017	May 2022				
Science and Society – Emblematic Actions	Nov. 2019	Jul. 2019	Oct. 2019	May 2020	Mar. 2021	Oct. 2023
Emblematic Actions (funded by returns on capitals)	Jun. 2019	Apr. 2021				

*Future Actions as pre-published in the Foundation’s Operational Planning.

7.5 IMPLEMENTATION OF ACTIONS

Since 2016, H.F.R.I. has published **fifteen (15) Calls**, of which **ten (10)** are at the funding stage and **five (5)** at the evaluation stage (Table 6). The two (2) first (“1st Call for H.F.R.I. Scholarships to PhD Candidates” and “1st Call for H.F.R.I. Research Projects to Support Postdoctoral Researchers”) are implemented by GSRI (article 47 of Law 4415/2016) as they were announced beforehand, prior to the staffing and operation of the Foundation.

Table 6. Calls that have been published by H.F.R.I.

S/N	CALL	ABBREVIATION	STAGE
1	1st Call for H.F.R.I. Scholarships to PhD Candidates	1st PhD (GSRI)	FUNDING

2	1st Call for H.F.R.I. Research Projects to Support Post-Doctoral Researchers	1st PD (GSRI)	FUNDING
3	1st Call for H.F.R.I. Research Projects to Support Faculty Members & Researchers and Procure High-Value Research Equipment	1st FM	FUNDING
4	1st Call for Action Science and Society-“200 Years from the Greek Revolution”	1821	FUNDING
5	2nd Call for H.F.R.I. Scholarships to PhD Candidates	2nd PhD	FUNDING
6	2nd Call for H.F.R.I. Research Projects to Support Post-Doctoral Researchers	2nd PD	FUNDING
7	Field research for data collection in Greece under the “10th wave” of the European Social Survey	10th Wave	FUNDING
8	2nd Call for Action “Science and Society”-“ALWAYS STRIVE FOR EXCELLENCE - THEODORE PAPAZOGLU”	1st ERC	FUNDING
9	3rd Call for Action “Science and Society” -“Research, Innovation and Dissemination Hubs”	Hubs	FUNDING
10	2nd Call for H.F.R.I. Research Projects to Support Faculty Members and Researchers	2nd FM	EVALUATION
11	4th Call for Action “Science and Society”-Emblematic Action-“Interventions to address the economic and social effects of the COVID-19 pandemic”	COVID	FUNDING
12	3rd Call for H.F.R.I. Scholarships to PhD Candidates	3rd PhDc	EVALUATION
13	5th Call for Action “Science and Society”-“ALWAYS STRIVE FOR EXCELLENCE - THEODORE PAPAZOGLU” (ERC 2)	2nd ERC	EVALUATION
14	3rd Call for H.F.R.I. Research Projects to Support Postdoctoral Researchers	3rd PDR	EVALUATION
15	Emblematic Action: “The emerging landscape of digital work in Humanities in the context of the European infrastructures DARIAH and CLARIN”	Dariah&Clarín	EVALUATION

7.6 H.F.R.I.’s WEB PORTAL

In order to achieve the operational objectives of H.F.R.I. for speed, reliability and transparency in the Submission of Proposals/Applications, in the Evaluation and in the Management of funded Projects/Scholarships, a specialized system has been developed and is constantly evolving, perfectly adapted to the needs of the Foundation.

Via <https://hfri.grnet.gr> each user creates a single and unique code that accompanies him/her from the submission of the Proposal/Application to the management of the implementation of the project/doctoral thesis, as well as for participation in the evaluation process. H.F.R.I.’s Web Portal for a system that is constantly evolving by acquiring new possibilities to meet the needs arising through the evolution of processes (e.g. the ability to identify users via Taxisnet, the upgrade of the evaluation system through the addition of the role of “rapporteur”, the check for plagiarism issues, the addition of the ability to export standard documents, the interconnection with the ORCID platform, the extension of the research project management subsystem, management and strategy subsystem, respect towards disabled people).

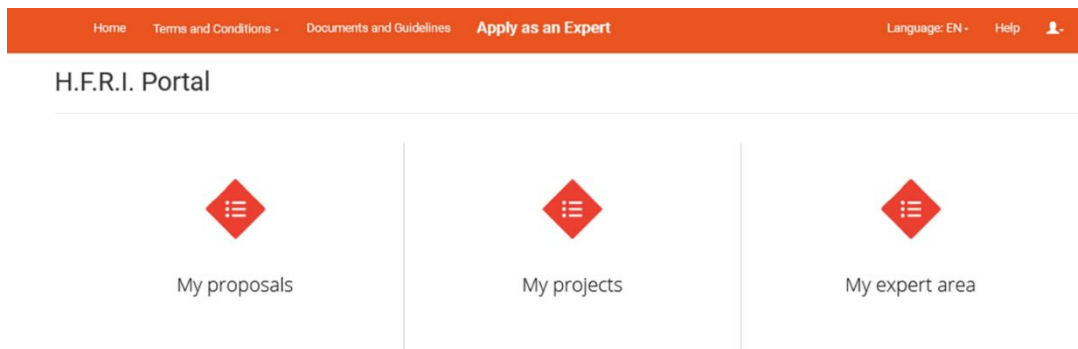


Figure 7. Main screen of processes available on H.F.R.I.'s Web Portal

The system provides the possibility of adapting to the terms and conditions of each Call by facilitating and at the same time guiding participants towards a full and eligible submission of a proposal/application (“**My proposals**”).

The funded projects and scholarships are managed through “**My Projects**” (Figure 8), where the Principal Investigators (will) have the opportunity to monitor their entire work and submit any requests for modifications, as well as the progress reports of their project/doctoral thesis. The system provides access also to the Special Accounts for Research Funds and the financial services of the Host Institutions, in order to facilitate the submission of the necessary supporting documents for the certification of expenditure.

Project ID T1	Asynonym T1	Call T1	Scientific Area T1	Status T1	RefNo. T1
1		2nd Call - H.F.R.I. Research Projects for the support of Postdoctoral Researchers	ET2	Submitted	
		2nd Call - H.F.R.I. Research Projects for the support of Postdoctoral Researchers	ET7	Active	1/21.7.2020
		2nd Call - H.F.R.I. Research Projects for the support of Postdoctoral Researchers	ET3	Active	2/30.8.2020
		2nd Call - H.F.R.I. Research Projects for the support of Postdoctoral Researchers	ET7	Active	3-1/14.10.2020
		2nd Call - H.F.R.I. Research Projects for the support of Postdoctoral Researchers	ET7	Active	4-1/14.10.2020
		3η Προκήρυξη Δράσης: Έρευνα και Κοινωνία - "Κόμβοι Έρευνας, Καινοτομίας και Διάχυσης"	OE1	Evaluated	
		3η Προκήρυξη Δράσης: Έρευνα και Κοινωνία - "Κόμβοι Έρευνας, Καινοτομίας και Διάχυσης"	ET1	Funding Pending	
		3η Προκήρυξη Δράσης: Έρευνα και Κοινωνία - "Κόμβοι Έρευνας, Καινοτομίας και Διάχυσης"	OE3	Evaluated	
		3η Προκήρυξη Δράσης: Έρευνα και Κοινωνία - "Κόμβοι Έρευνας, Καινοτομίας και Διάχυσης"	OE1	Evaluated	
		3η Προκήρυξη Δράσης: Έρευνα και Κοινωνία - "Κόμβοι Έρευνας, Καινοτομίας και Διάχυσης"	OE1	Evaluated	

Figure 8. Management environment of projects/scholarships

At the same time, through “**My Expert Area**” each user can submit their data to register in the Register of Certified Evaluators/Experts of H.F.R.I., as well as participate as a member of the Evaluation Committee or Independent Expert. This evaluation subsystem provides significant possibilities in order to facilitate the work of evaluators while at the same time through restrictions and rights adapted to the role of each participant, it ensures the reliability of the process. Finally, it provides detailed guidance to ensure the quality of the evaluation.

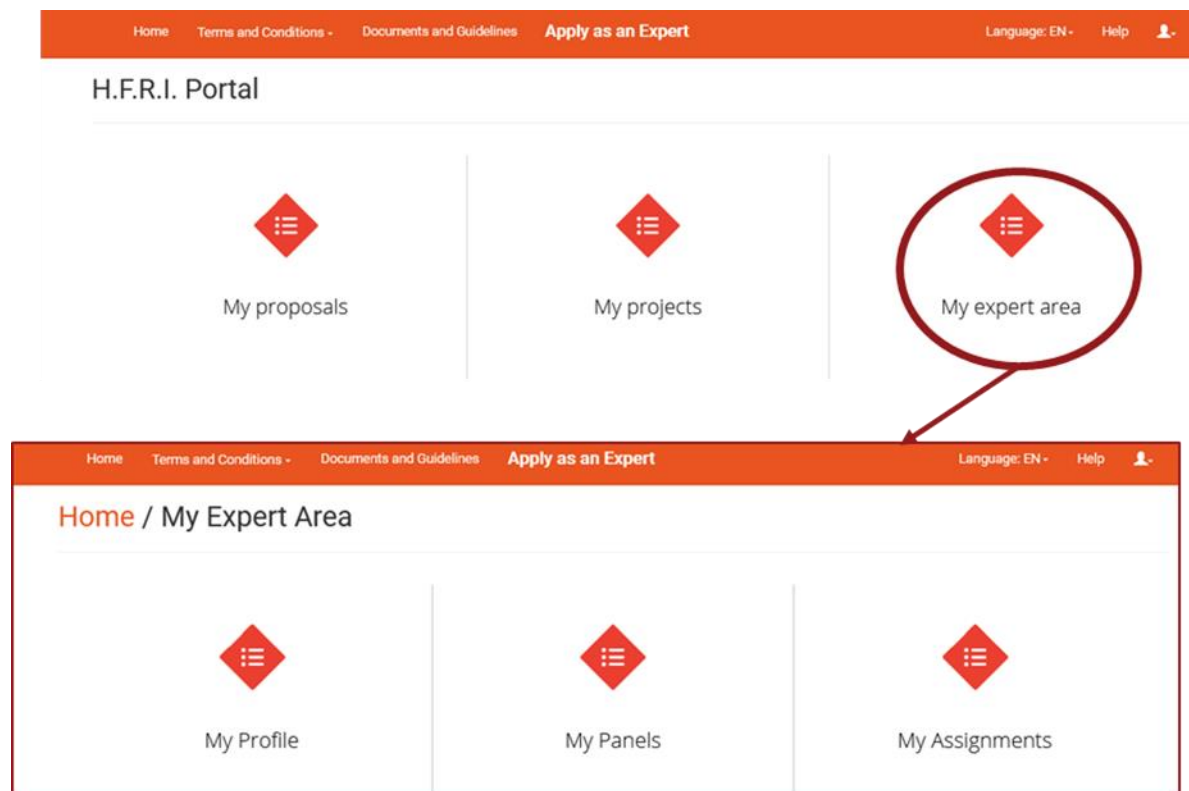


Figure 9. Evaluators' environment

7.7 PROPOSAL/APPLICATION SUBMISSION

The submission of proposals/applications within the framework of H.F.R.I.'s Actions takes place after the publication by H.F.R.I. of a relevant Call for Proposals. Calls include information on the total available budget, maximum funding per project, deadlines for the submission of proposals/applications, specific terms and conditions, as well as details of the Evaluation Criteria for proposals/applications.

It is noted that the indicative dates for the publication of future Calls are included in the Annual Operational Planning of the Foundation which is available on H.F.R.I.'s website at the beginning of each year, whereas the submission of the Proposals/Applications under the Call starts on average one month after its publication.

The persons interested can find the Calls as well as relevant information/supporting material such as lists with FAQs and templates on the website as well as on H.F.R.I.'s Web Portal. Furthermore, during the period of submissions of Proposals/Applications, H.F.R.I.'s Department of Research Projects shall provide daily support to potential beneficiaries on the one hand through written answers to queries submitted by e-mail and on the other hand through the call center, thus providing clarifications and information regarding either technical support for the submissions, or the preparation and drafting of Proposals/Applications. Finally, as part of the support to beneficiaries, the Department of Research Projects makes, upon invitation, informative presentations to Beneficiary Institutions.

Since January 2019, the submissions of the Proposals/Applications under H.F.R.I.'s Actions have been performed through the Foundation's Web Portal (<https://hfri.grnet.gr>).

Figure 10 below presents the submissions of research proposals per Scientific Area under H.F.R.I.’s Calls covering the range of all nine (9) Scientific Areas (*Annex IV lists the fields and subfields of the Scientific Areas in detail*).

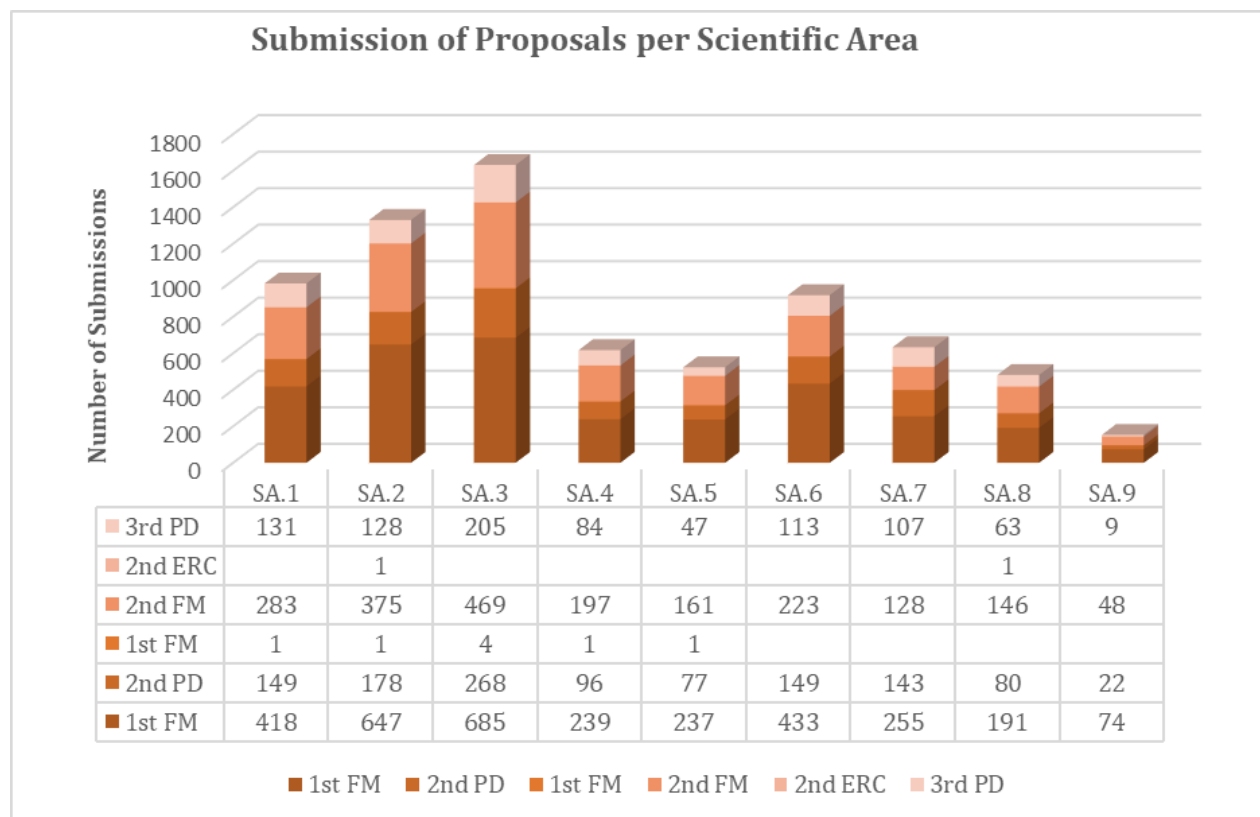


Figure 10: Schematic illustration of the overall submissions of research proposals by Scientific Area (in applicable Calls). It is noted that in the first Calls for PhD candidates and postdoctoral researchers, the Scientific Areas were different, which is why the corresponding data are not included.

From Figure 10 above it is noted that in the 2nd FM there was a significant decrease in the number of submissions (in all Scientific Areas) which indicates the importance of the periodicity of the calls. The number of submissions in “Social Sciences” which is at approximately the same level as the submissions in Physical Sciences is noteworthy. In addition, the sum of submissions in “Social Sciences” and “Humanities and Arts” is approximately the same as the submissions in “Engineering Sciences and Technology” and “Life Sciences”, indicating the vital need for funding in these two Scientific Areas.

Table 6 below includes further data on the number of submissions as well as the sex of Principal Investigators and PhD candidates applying under the different H.F.R.I. Calls.

Table 6. Overall proposals submitted by male and female Principal Investigators per Call

PROPOSAL/APPLICATION SUBMISSION				
S/N	CALL	WOMEN	MEN	TOTAL
1	1st PhD (GSRI)	1,092	1,022	2,114
2	1st PD (GSRI)	765	905	1,670
3	1st FM	863	2,316	3,179

PROPOSAL/APPLICATION SUBMISSION				
S/N	CALL	WOMEN	MEN	TOTAL
4	1821	23	56	79
5	2nd PhD	720	607	1,327
6	2nd PD	545	617	1,162
7	10th Wave	1	0	1
8	1st ERC	3	5	8
9	Hubs	173	409	582
10	2nd FM	550	1,480	2,030
11	COVID	65	151	216
12	3rd PhD	733	720	1,453
13	2nd ERC	0	2	2
14	3rd PD	459	428	887
15	Dariah&Clarín	0	1	1
Total		5,992	8,719	14,711

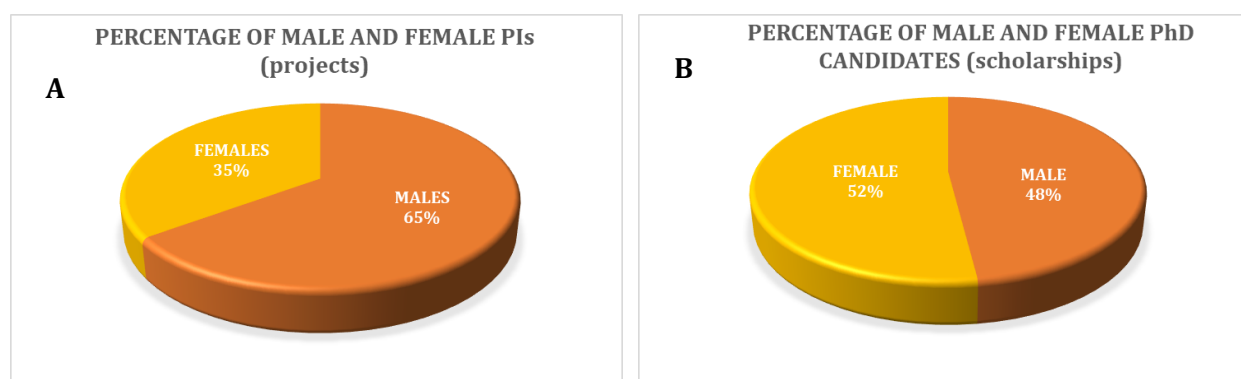


Figure 11. A, B Percentage of male and female PIs of projects and PhD candidates applying who submitted a proposal or application, respectively, under H.F.R.I. Calls.

Furthermore, Table 7 and Figure 12 below present the submissions no. as well as the success rates of H.F.R.I.'s Beneficiary Institutions.

Table 7. Overall submissions and success rate of H.F.R.I.'s Beneficiaries

MAIN BENEFICIARIES	No. of SUBMISSIONS	SUCCESS RATE
Higher Educational Institutions (HEI)	7,838	79.84%
RC-I	1,847	18.81%
Higher Military Educational Institutions (HMEI)	35	0.36%
University Research Institutes (URI)	86	0.88%

University Research Centers (URC)	11	0.11%
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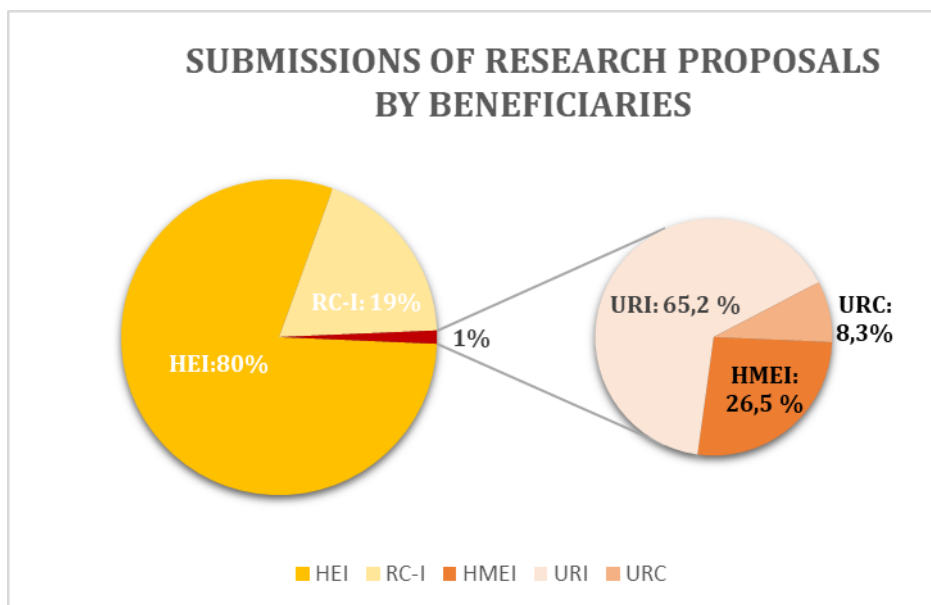


Figure 12. Schematic illustration of the overall submissions of research proposals by H.F.R.I.’s Beneficiaries. Details on the proposals/applications submitted by each Beneficiary are available in Annex II.

7.8 H.F.R.I.’s REGISTER OF CERTIFIED EVALUATORS/EXPERTS

According to par. 11 a, b of article 5 of Law 4429/2016, in order to evaluate proposals, examine objections and certify funded actions of the Foundation, a Register of Certified Evaluators – Experts shall be established, consisting of acclaimed scientists. The independent experts and the members of the committees of experts and objections as well as the certifiers be drawn from this Register.

The determination of formal and essential qualifications and the certification of Register members of paragraph 6 is carried out by a five-member committee, formed under the Minister’s decision, consisting of three (3) Advisory Committee members and two (2) Scientific Council members of the Foundation.

With the aim of expanding H.F.R.I.’s Register of Certified Evaluators – Experts and its setting up by distinguished scientists in Greece and abroad, an open call is underway, which has been communicated to all Academic and Research institutions in Greece, as well as to Universities and Research Institutes abroad, through the Foundation’s website and social media (linkedin, facebook, youtube, twitter) and by sending e-mails to members of previous H.F.R.I.’s evaluation committees and independent experts.

Registration is made through H.F.R.I.’s Web Portal (<https://hfri.grnet.gr>). All necessary information regarding the registration is provided on the Web Portal (<https://hfri.grnet.gr/RegistrationArea/ArticleCategories>). Figure 13 below shows the main screen of the application submission platform for participation in the Register.

To date, approximately **1,000** people have been certified, including many distinguished scientists from Greece and abroad. The increase in Register’s members will significantly enhance credibility and optimize the time of the evaluation process.

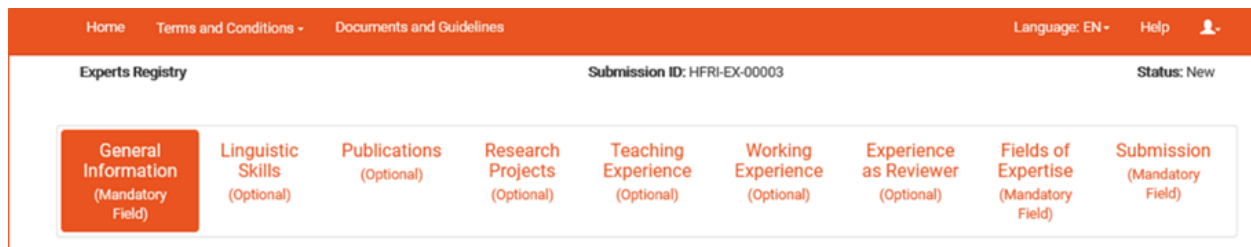


Figure 13. Illustration of the submission platform to H.F.R.I.’s Register of Evaluators/Experts.

7.9 EVALUATION: PROCESS-CRITERIA

7.9.1 APPOINTMENT OF EVALUATION COMMITTEES AND INDEPENDENT EXPERTS

According to par. 6 of article 5 of Law 4429/2016, as amended and in force, the Proposals/Applications submitted under H.F.R.I. Calls are evaluated by evaluation committees, which are appointed by the Scientific Council and consist of five (5) to twenty (20) members who are renowned scientists of Greece or abroad, in the respective Scientific Field and who come from either H.F.R.I.’s Register of Certified Evaluators/Experts or the register of par. 11 a, b of article 5 of Law 4429/2016.

The members of the Evaluation Committees shall be appointed by the Scientific Council of the Foundation on the basis of their scientific expertise and in particular its relevance to the scientific field of the proposals/applications under evaluation. Particular importance is paid to the selection of Chairs of the Evaluation Committees who are also responsible for the coordination of work, the organization of committee meetings and the validation of the minutes of meetings.

The Evaluation Committees may be assisted in their work by independent experts, who also come from the two registers above, appointed by the Scientific Council and selected based on their scientific expertise and relevance to the scientific field of the proposals/applications to be evaluated (upon the recommendation of the Thematic Advisory Committee of article 8, if applicable²). If expert scientists required for a specific evaluation are not available or the existing ones do not meet the needs of the evaluation in question, expert scientists, not included in the Register of Certified Evaluators, who are foreign tax residents may be designated as members, pursuant to a decision by the Scientific Council.

The Evaluation Committees and Independent Experts are assisted in their work by employees of the Department of Research Projects. It should be noted that the Scientific Council oversees the proper functioning of the Evaluation Committees and in general the entire evaluation process ensuring reliability and transparency.

² The Thematic Advisory Committees (THACs) are consultative, assist the SC and contribute to the formation of scientific priorities especially during the evaluation process (par. 13, article 8, Law 4429/2016, as in force). Following the appointment of Sectorial Scientific Councils (SSCs), the setting up of the new THACs is pending.

In order to ensure the transparency and reliability of the process, all evaluators (members of the committees and independent experts) shall sign a solemn declaration of confidentiality and non-conflict of interest, in order to avoid any case/situation that may affect the impartiality of the evaluators and/or the quality of the evaluation.

The members of the Evaluation Committees are updated by the Department of Research Projects on the [Rules of Operation of the Evaluation Committees](#), their responsibilities and liabilities, the evaluation process as well as the evaluation criteria and how to grade them. For this reason, in addition to the documents available on the website and the web portal of H.F.R.I., the evaluation process for each Evaluation Committee begins with an informative meeting where all the above issues are analyzed in detail by the personnel of the Department of Research Projects. Furthermore, throughout the evaluation, there is continuous communication and updating of the evaluators by the personnel of the Department of Research Projects in charge, in order to be adequately assisted in their work and to avoid cases that may harm the quality and reliability of the evaluation.

Similarly, independent experts shall be informed in private by the competent personnel and shall have at their disposal first of all the documents of the Call and the Rules of Operation and, secondly, an information document on the procedure and criteria, as well as guidance on the evaluation of proposals/applications under the Call for which they have been specified.

7.9.2 EVALUATION COMMITTEES AND INDEPENDENT EXPERTS IN H.F.R.I. ACTIONS

In the context of the above (Section 7) eight (8) Calls, which were published and evaluated by H.F.R.I., a total of 6,554 proposals/applications were submitted. In the context of the evaluation process of these proposals/applications, a total of 289 committee meetings (Evaluation and Objections) took place and 1,489 renowned scientists from Greece and abroad participated either as members of the committees or as independent experts.

Table 8 below sets out in detail for each action data on the number of committee members and experts, as well as their sex and academic *affiliation*.

For example, it is noted that among the members of the Committees, 24% were women and 11% were foreign scientists, while among the external experts involved in the evaluation process, 22% were women and 30% were renowned foreign scientists. It is underlined that due to their targeting at some actions (e.g. scholarships for PhD candidates, 1821, Hubs and 10th wave) the proposals/applications are submitted in Greek only; so, the ones who spoke Greek could only become evaluators.

Table 9. *Number of Evaluators (Committee members) in various Calls.*

COMMITTEE MEMBERS						
S/N	CALL	No. OF PROPOSALS/ APPLICATIONS	MEN	WOMEN	FROM ABROAD	TOTAL
1	1st FM	3,179	319	86	87	405
2	1821	79	11	4	0	15

3	2nd PhD	1,327	131	42	4	173
4	2nd PD	1,162	107	41	7	148
5	10th Wave	1	2	3	0	5
6	1st ERC	8	10	2	0	12
7	Hubs	582	39	13	0	52
8	COVID	216	29	11	7	40
Totals		6,554	648	202	105	850

Table 10. Evaluators (Independent Experts) per Call.

INDEPENDENT EXPERTS						
S/N	CALL	No. OF PROPOSALS/ APPLICATIONS	MEN	WOMEN	FOREIGNERS	TOTAL
1	1st FM	3,179	354	72	166	426
2	1821	79	14	8	0	22
3	2nd PhD	1,327	26	20	0	46
4	2nd PD	1,162	91	25	28	116
5	10th Wave	1	0	0	0	0
6	1st ERC	8	0	0	0	0
7	Hubs	582	8	5	0	13
8	COVID	216	5	11	0	16
Totals		6,554	498	141	194	639

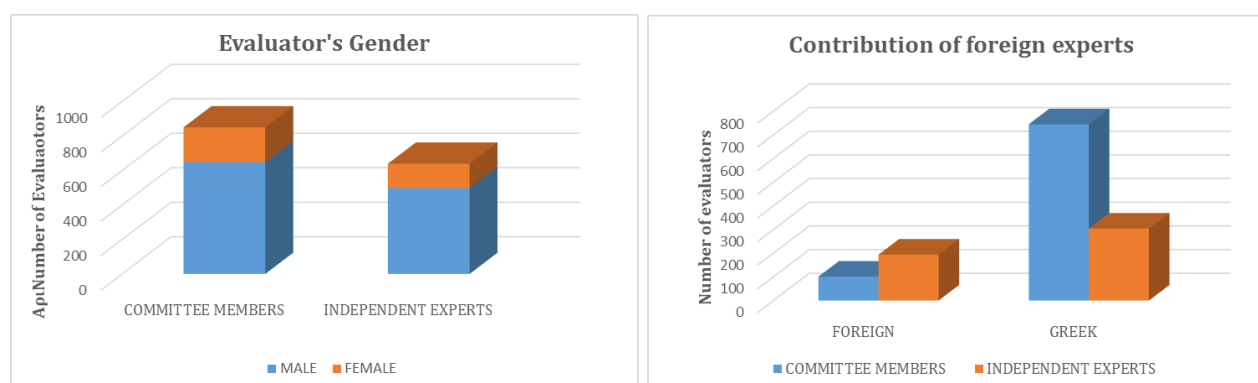


Figure 14. Number of evaluators (Committee Members and Independent Experts) **A.** Number of female and male evaluators who participated in the eight (8) Calls for which the evaluation process has been completed. **B.** Number of Greek and foreign evaluators participating in the evaluation (data do not concern Calls that were submitted exclusively in Greek).

7.9.3 EVALUATION PROCESS

The evaluation process may take place in one (1) phase (applicable to calls for scholarships to PhD candidates, the 3rd Call for PR and the Calls for Action “Science and Society”) or two (2) phases (Calls

to support postdoctoral researchers, Faculty members and researchers).

The evaluation process and criteria shall be specified in each Call.

Figure 15 below illustrates the evaluation process in schemes in two (2) phases.

Evaluation procedure

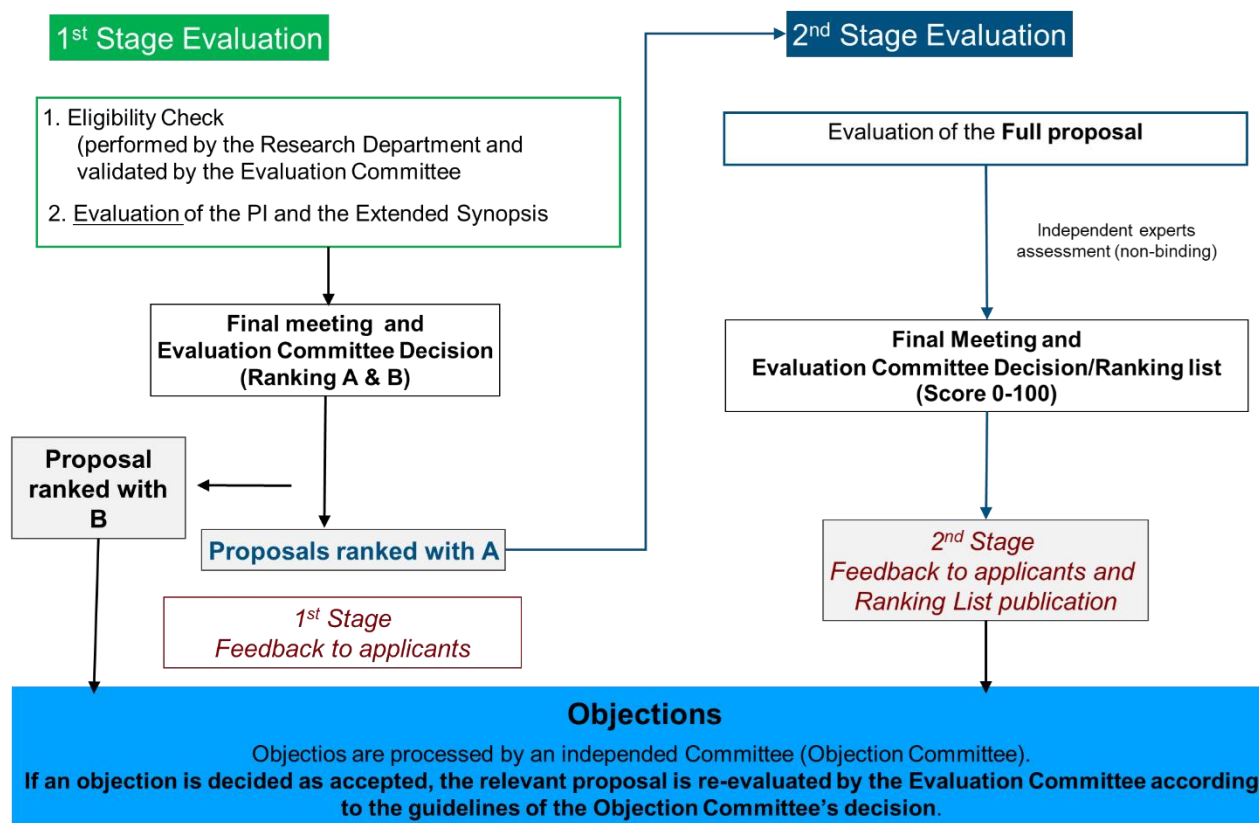


Figure 15. Schematic illustration of the evaluation process in two (2) phases.

7.9.4 EVALUATION CRITERIA

The two (2) main evaluation criteria are the scientific **profile of the Principal Investigator** of the project (or the PhD candidate in the case of calls for scholarships) and the **quality of the proposed project**.

In case of an evaluation carried out in two (2) phases, under Phase A, proposals are ranked according to scale A - B, depending on whether or not the proposal fully meets the criteria of Phase A and only proposals graded with A are qualified for the next phase (Phase B). In Phase B, the score for each criterion is in the 0 - 100 scale as follows:

0-19 – Insufficient: The proposal either fails to meet the criterion or cannot assess the criterion due to insufficient or incomplete information.

20-39 – Weak: The proposal meets the criterion in part or there are serious inherent difficulties.

40-59 – Moderate: The proposal meets the components of the criterion in general but there are significant and substantial weaknesses.

60-79 – Good: The proposal meets the criterion at a good level but there is a number of shortcomings.

80-89 – Very Good: The proposal meets all aspects and dimensions of the criterion at a very good level but there is a small number of shortcomings.

90-100 – Excellent: The proposal meets all relevant aspects and dimensions of the criterion successfully. If such defects are present, they shall be classified as minor.

The final score is the weighted average of the individual scores of all criteria, taking into account the respective weighting factors. In particular, the weighted score for each criterion is obtained by multiplying its score by the individual weighting factor, whereas the overall score comes from the sum of the weighted scores of all criteria.

Table 11 below sets out the individual criteria and the corresponding weighting factors of the 2nd evaluation phase of proposals under the “2nd Call for H.F.R.I. Research Projects to Support Faculty Members and Researchers”.

Table 11. Indicative criteria and individual weighting factors of the 2nd evaluation phase of research projects under H.F.R.I. Calls.

2ND EVALUATION PHASE	
1. Evaluation of the Principal Investigator	
A. Scientific Achievements <ul style="list-style-type: none"> ▪ Scientific work (scientific publications, participation in conferences, distinctions, awards, participation in international and national research programs, etc.) ▪ Degree of scientific scope and resonance abroad 	Weighting factor 0.2
B. Maturity for Guidance <ul style="list-style-type: none"> ▪ Degree of scientific autonomy ▪ Experience in the supervision of postgraduate dissertations and doctoral theses ▪ Participation in international and national research programs as coordinator and/or as member 	0.1
C. Ability and role of Principal Investigator in the implementation of the project <ul style="list-style-type: none"> ▪ To what extent the PI has the necessary scientific expertise/experience and ability for the successful implementation of the research proposal ▪ PI’s role in the implementation of the project 	0,1
2. Evaluation of the Research Proposal	
A. Objectives, originality and potential impact of the project <ul style="list-style-type: none"> ▪ Clarity and cohesion of the Research Proposal objectives ▪ Degree to which there are ambitious objectives that go beyond the current scientific/technological state of the art (e.g. development of new techniques, tools, concepts, theories and/or approaches) ▪ Degree to which the Research Proposal addresses important challenges ▪ Degree to which the proposed research is of “high risk/high gain” nature (if any) ▪ Innovative nature and potential impact of the research proposal 	0,3

<p>B. Methodology and Implementation</p> <ul style="list-style-type: none"> ▪ Degree to which the proposed scientific approach is feasible ▪ Degree to which the proposal entails the development of new methodologies or the implementation of a methodology which shall lead to progress beyond the current scientific/technological state of the art ▪ Degree to which the proposed research methodology is appropriate for achieving the project objectives ▪ Degree to which the project implementation plan, time schedules and budget are necessary and justified ▪ Ability, degree of specialization and complementarity of the members of the Research Team in relation to the proposed project (based on the full scientific proposal - Sections B1 and B2) 	0,3
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Both the submission and the evaluation of the Proposals/Applications are performed on the same web portal, which facilitates the members of the Committees and Independent Experts while ensuring transparency, reliability and quality of the evaluation, as well as compliance with the legality of procedures, thus providing participants with all necessary information and updates to facilitate their work.

Upon completion of the evaluation process of proposals/applications, the results of the evaluation are approved by H.F.R.I.'s Scientific Council. After their approval, the results are published on the Foundation's website through the posting of Results which presents the ranking of proposals by descending order (mentioning the Proposal/Application Number).

In the context of the full transparency procedures followed by H.F.R.I., after the completion of the evaluation process, the results of the evaluation (including, where applicable, Evaluation Forms with the detailed comments and individual scores, and/or Evaluation Reports) are communicated to the beneficiaries by letter. Where an evaluation process is followed in two (2) phases, beneficiaries shall receive the results of their evaluation for each phase.

After the announcement of the results, the beneficiaries have the right to lodge an objection, for reasons of legality as described in the Internal Rules of Procedure and the Call.

Following the examination of objections and the issue of final results, the Funding Lists of the projects to be funded are published. For the sake of transparency, these Lists shall include, in addition to the Host Institution, the approved budget and the title of the proposal as well as the details of the PI. On H.F.R.I.'s website in the "Impact of Actions" section, data on projects funded by H.F.R.I. are available. (<https://www.elidek.gr/>).

7.10 EVALUATION'S SCHEDULE

The evaluation schedule shall be determined by:

1. The procedures as provided in Law 4429/2016 (procedure for appointment of committee members and independent experts, THACs).
2. The general institutional framework (assets, compensation).
3. The specific procedure adopted in each call.
4. The development and expansion of digital submission, evaluation and Register Tools (<https://hfri.grnet.gr/>).

5. The number of proposals/applications submitted which is directly dependent on the follow-up and consistency of the call for actions.
6. Limited number (certified members of the register) and availability of the members of evaluation committees and independent experts with the required expertise, taking into account conflicts of interest.

Table 11 below and the corresponding Gantt chart (*Figure 16*) illustrate in schemes the different evaluation processes and the indicative average of their duration.

Table 11. Indicative schedule of evaluation processes

PROCEDURE	DURATION (days)
PREPARATION PHASE	
	15
Platform maintenance - Setting up the evaluation environment	15
RECRUITMENT OF EVALUATION COMMITTEE	
	63
Checking the Certified Experts Registry for potential Evaluators	7
Thematic Advisory Committee Meeting	28
List of Evaluators	*
Proposed evaluators are invited to become members of the Certified Experts Registry	7
Evaluators are certified	21
Evaluators are appointed by the Scientific Council	*
1st EVALUATION PHASE	
	172
1st Introductory Meeting	14
Proposal Assignment - Remote Evaluation	94
2nd Meeting - Invitation of independent experts	14
Proposed independent experts are invited to become members of the Certified Experts Registry	7
Independent experts are certified	21
Independent experts are appointed by the Scientific Council	*
Proposal Assignment to independent experts	21
3rd - 4th Meeting	21
Preliminary results	*
Objections phase	50
The PI is notified with their results	*
Re-evaluation	14
Final Results	*
2nd EVALUATION PHASE	
	141
5th Meeting - Proposal Assignment - List of proposed independent experts	42
Proposed independent experts are invited to become members of the Certified Experts Registry	7
Independent experts are certified	21
Independent experts are appointed by the Scientific Council	*
Proposal Assignment to independent experts	21
Final Meeting	21
Preliminary results	*
Objections phase	50
The PI is notified with their results	*
Re-evaluation	14
Final Results	*

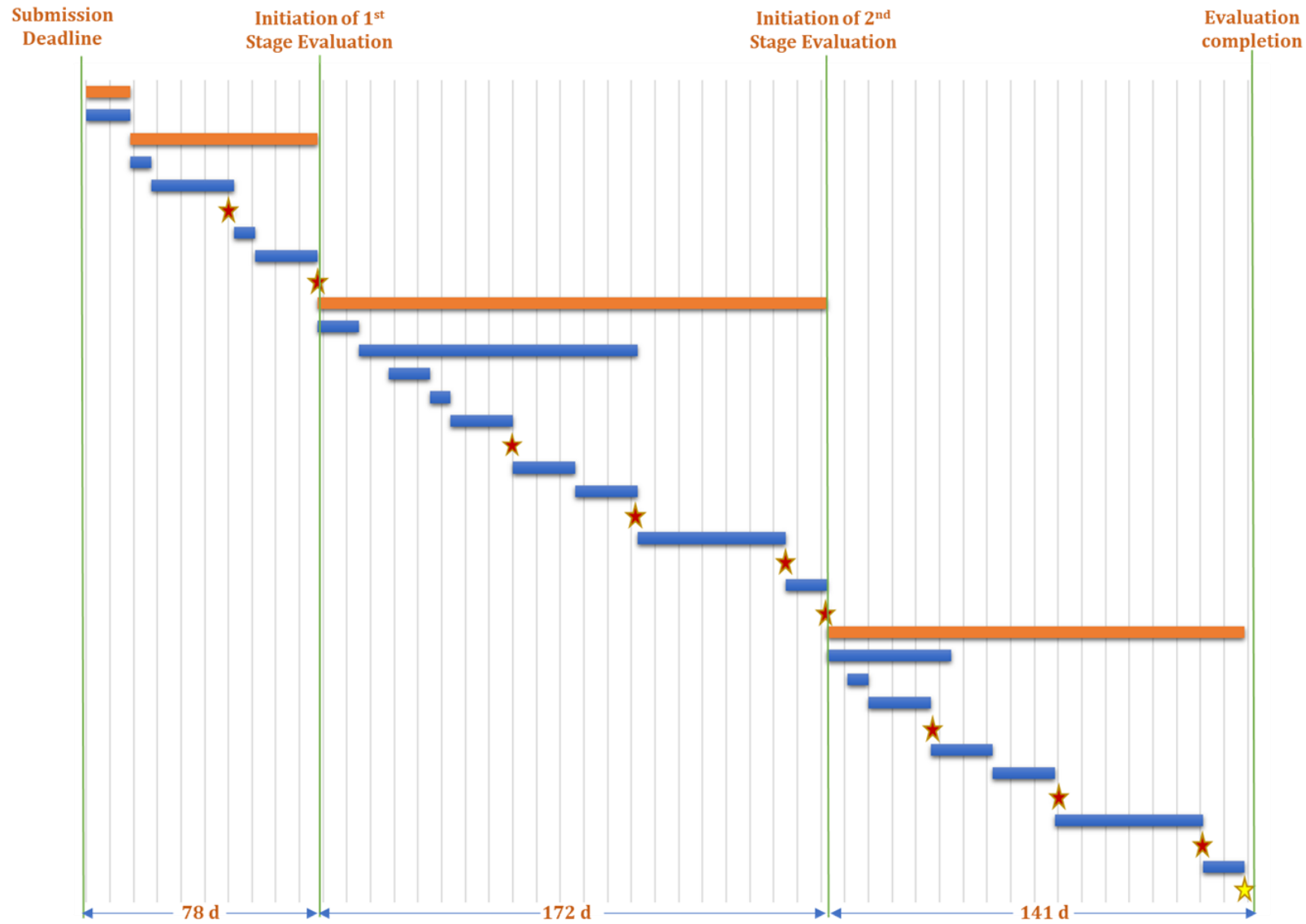


Figure 16. Gantt chart for evaluation process.

The following chart (*Figure 17*) illustrates indicatively the evaluation times for the 1st Action “Science and Society” and for actions to support main research in Science Area 7. “Humanities and Arts”.

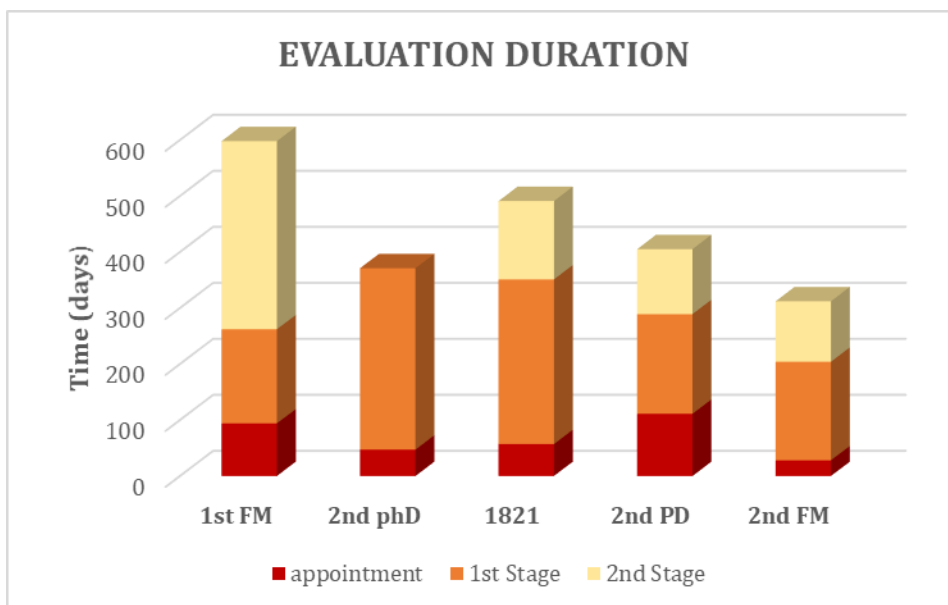


Figure 17. Duration of evaluation in different H.F.R.I. Calls.

It is noted that:

- The long duration of the evaluation of the proposals submitted under the 1st Call for H.F.R.I. research projects to support faculty members and researchers is due to the great number of proposals submitted (3,179), the difficulty of finding evaluators (due to issues of conflict of interest and obligation for declaring assets) and the submission of proposals in two (2) phases which caused further major delays in the process.
- Similar delays were also noticed in the evaluation of the proposals submitted under the 1st Call titled “Science and Society” in which the proposals were also submitted in two (2) phases. The duration of the evaluation of the “2nd Call for H.F.R.I. Scholarships to PhD Candidates” was shorter as the evaluation was carried out in one (1) phase.
- In the subsequent Calls, times have been reduced, as on the one hand the submission takes place in one (1) phase and, on the other hand, the procedures have been significantly optimized.
- The duration of the evaluation varies in different scientific areas.
- It should be noted that these Actions did not apply the procedure where the Thematic Advisory Committees (THACs) suggest evaluators, as the relevant provision of the law was not in force and/or the respective Sectorial Scientific Councils (SSCs) were not established during that time period.

Therefore, there is a gradual reduction in the duration of the evaluation which is expected to be further improved due to:

1. The lifting of the obligation to submit a declaration of assets (Law 4782/2021)
2. The amendment of the Joint Ministerial Decision under No. 108987/04.07.2019 (OGG Issue for Specially Positioned Employees and Administrative Bodies of Public or Broader Public

Sector Entities 433) for the compensation of evaluators/independent experts by decision No. 62933/14.06.2021 (OGG Issue for Specially Positioned Employees and Administrative Bodies of Public or Broader Public Sector Entities 462)

3. The gradual reduction of the proposals/applications submitted as a result of the call for actions at regular intervals with continuity and consistency.

7.11 MONITORING OF FUNDED PROJECTS

The process of monitoring/management of funded projects involves implementing measures to facilitate research work and at the same time ensuring the qualitative implementation of Projects through effective tools and procedures.

H.F.R.I. publishes Management – Implementation Guides of the funded Projects/Scholarships in which the terms and conditions for the payment of funding, audit and certification of expenditure and in general the monitoring of the implementation of the funded research projects and scholarships are described in detail under each Call. In addition, H.F.R.I. plans and organizes workshops informing the beneficiary PIs as well as the financial services of Host Institutions. More specifically, in the context of managing the “1st Call for H.F.R.I. Research Projects for Faculty Members and Researchers”, a workshop took place on the 5th of March 2020 where a significant number of PIs participated with their physical presence, as well as representatives of the Special Accounts for Research Funds and financial services of Host Institutions, while at the same time there was the possibility for remote monitoring and submission of queries.

The progress and results of the projects are monitored and evaluated by H.F.R.I. through the submission of progress reports, the implementation of a scientific evaluation (verification) process regarding the progress of projects and the conduct of check visits to areas where the research is carried out (onsite checks). For the submission of progress reports on both the physical and financial scope of the project, standard documents appropriately adapted to each action shall be available to the beneficiaries. Correspondingly, certification reporting standards are available for both the physical and financial scope of the projects/scholarships.

The quality of the implementation and results of a project is judged by experts specializing in its scope. The experts who carry out project certifications are selected from the Register of Certified Evaluators-Experts and are different from the ones used for the purpose of evaluation at the stage of the Proposals' selection. These experts shall be informed accordingly along with the evaluators about the certification process and the evaluation of the results of the projects/deliverables based on the initial targeting of each Call and shall submit a relevant certification report (*Annex III*) to H.F.R.I.

For the monitoring of Funded Projects/Scholarships by H.F.R.I., a hybrid system including the preservation of both the physical and electronic archives is being followed for the time being and until all subsystems of H.F.R.I. Web Portal are completed. The aim is the full exemption from the need to use and preserve physical copies and documents and the Foundation's Web Portal is designed towards this direction.

Table 12 below includes data on the eight (8) actions at the funding stage:

Table 12. Stage and number of funded projects per Call.

S/N	CALL	No. of PROJECTS	STAGE	START OF THE 1ST PROJECT	AVERAGE DURATION OF PROJECTS (MONTHS)
1	1st FM	278	Implementation/ Monitoring	16.11.2019	33
2	1821	10	Implementation/ Monitoring	13.12.2019	30
3	2nd PhD	356	Implementation/ Monitoring	26.09.2019	30
4	2nd PD	100*	Implementation/ Monitoring	27.10.2020	34
5	10th Wave	1	Implementation/ Monitoring	02.12.2019	27
6	1st ERC	5	Implementation/ Monitoring	18.11.2020	24
7	Hubs	32	To be funded	-	24
8	COVID	17	To be funded	-	14
Totals		799			

*An amendment to funding lists and the integration of five (5) new projects is expected.

RESULTS-EFFECTS-IMPACT

8.1 FUNDING OF PROJECTS/SCHOLARSHIPS UNDER H.F.R.I. ACTIONS

Within the framework of the ten (10) H.F.R.I. Calls, which are at the funding/implementation phase, a total of **632 research projects**, of which **65** are part of Science and Society Actions and **938 Scholarships**, with a total budget of **EUR 121,195,752.87** and **EUR 21,391,920.00**, respectively, were/are funded.

Table 13 below shows the relevant financial data for the whole funding:

Table 13. Approved budgets and payments.

Budget of calls at funding stage	Budget of approved projects/scholarships	Budget of funding decisions (until 31.05.2021)	Payments (until 31.05.2021)
€154,830,000	€142,587,672.87	€133,901,373.94	€85,961,634.75

The budget of approved projects/scholarships is allocated to the different types of action as shown in Figure 18 below.

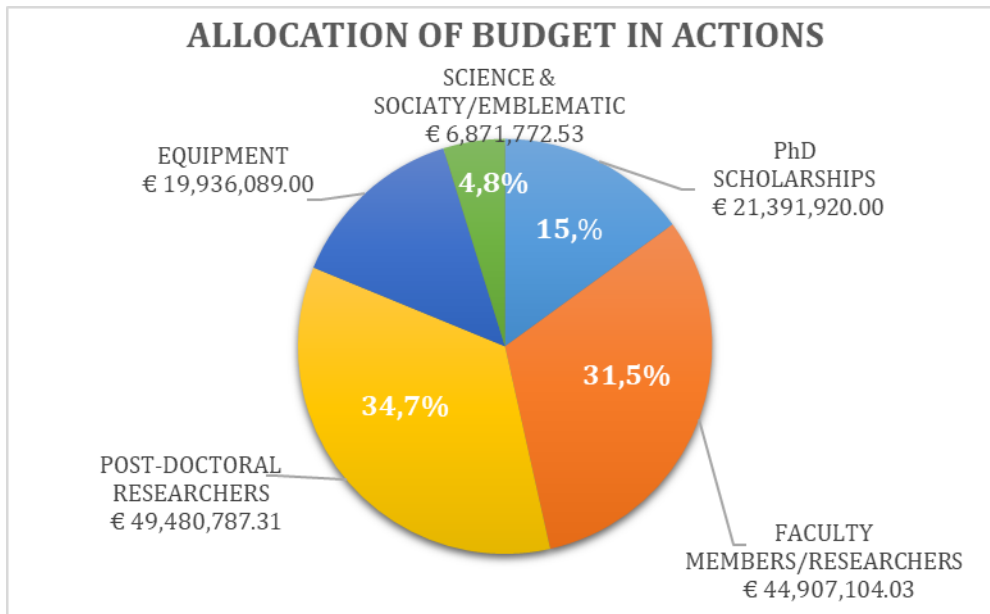


Figure 18. Allocation of approved projects/budget in different H.F.R.I. actions.

The corresponding allocation of the budget of approved projects/scholarships in the nine (9) Scientific Areas (in the Calls where applicable) is shown in *Figure 19* below. It is noted that in line with the high number of submissions in the field of Social Sciences (SA.6) and Humanities (SA.7), the amount of funding (sum) in these Scientific Areas is at the same level as in Engineering Sciences and Technology (SA.2) and Life Sciences (SA.3).

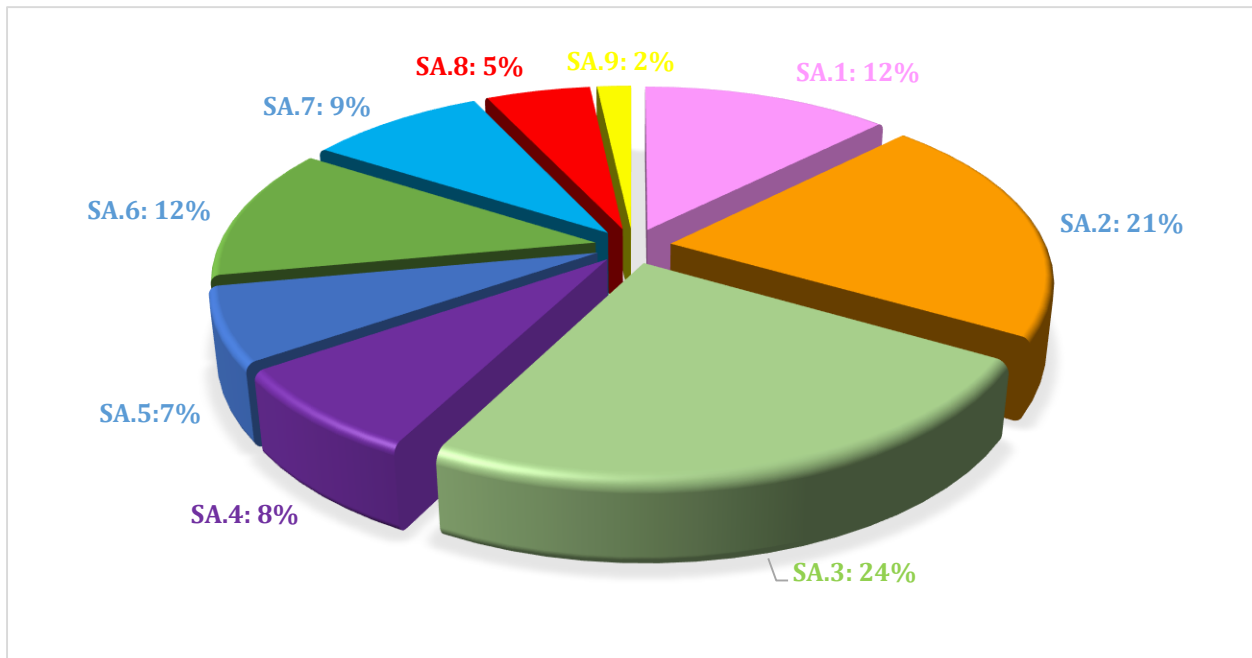


Figure 19. Allocation of the budget of approved projects/scholarships in the 9 Scientific Areas (Data refer to the 1st FM, the 2nd PhDc, the 2nd PDR and the 1st ERC where the 9 Scientific Areas apply).

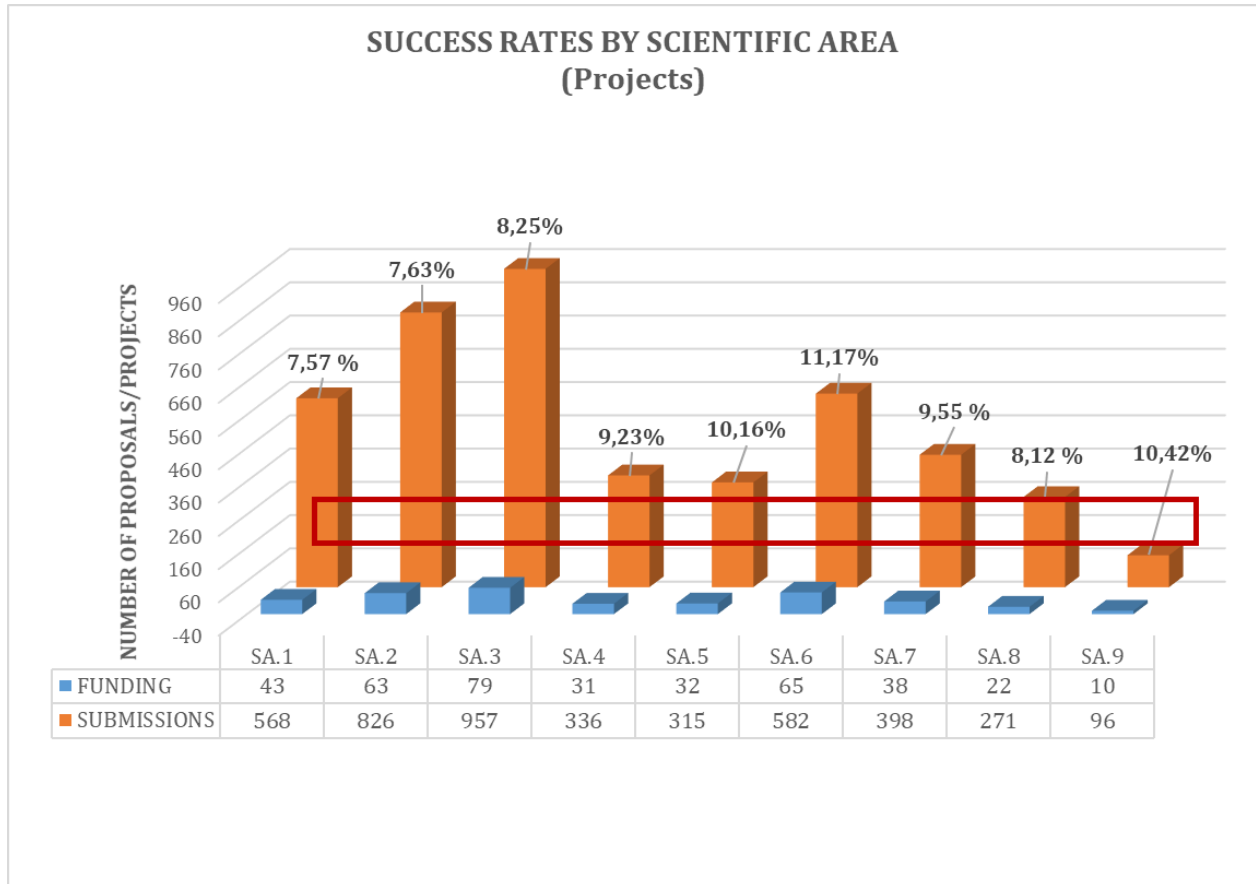


Figure 20. Success rates in project funding by Scientific Area (Data refer to the 1st FM, the 2nd PDR and the 1st ERC where the 9 Scientific Areas apply).

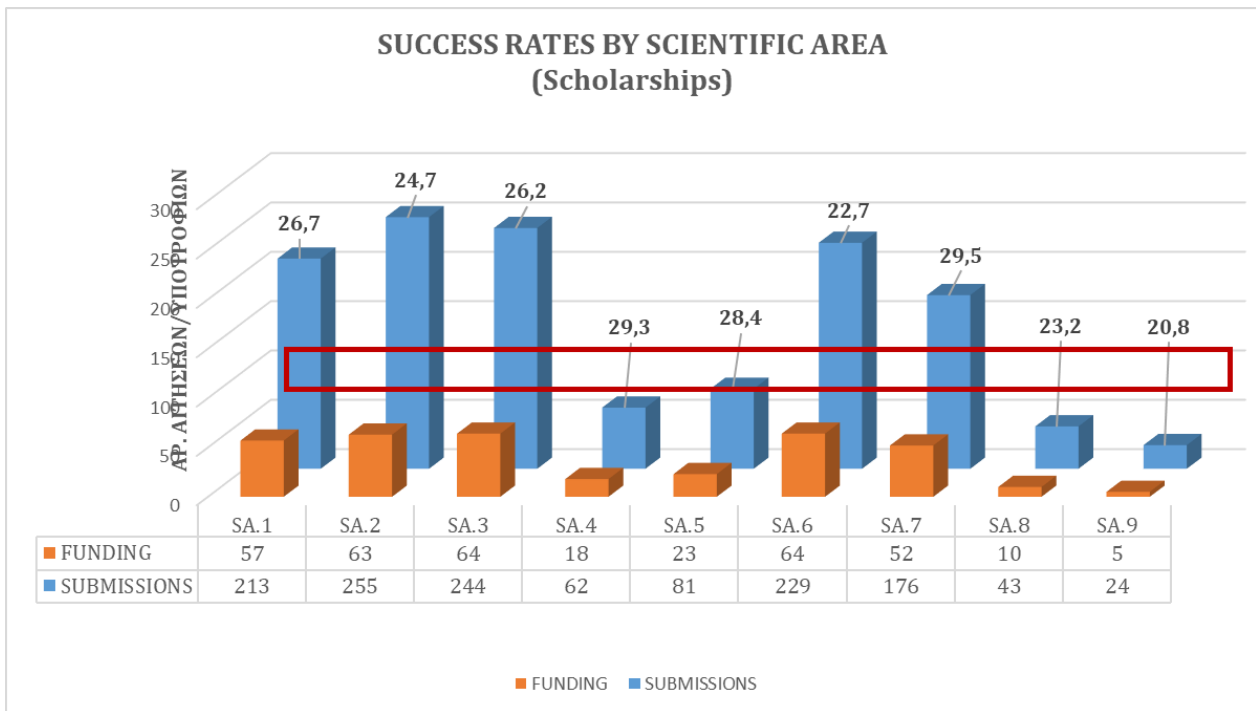


Figure 21. Success rates in PhD Candidates scholarships by Scientific Area (Data refer to the 2nd PhDc where the 9 Scientific Areas apply).

Detailed information on funding under H.F.R.I. Actions can be found in the following Tables/Graphs:

Table 14. Overall funded Projects/Scholarships and corresponding success rates in the different Calls.

FUNDING OF PROJECTS/SCHOLARSHIPS				
S/N	CALL	SUBMISSIONS	FUNDING	SUCCESS RATE (%)
1	1st PhD (GSRI)	2,114	582	27.53
2	1st PD (GSRI)	1,670	189	11.32
3	1st FM	3,179	278	8.74
4	1821	79	10	12.66
5	2nd PhD	1,327	356	26.83
6	2nd PD	1,162	100	8.61
7	10th Wave	1	1	100.00
8	1st ERC	8	5	62.50
9	Hubs	582	32	5.50
10	COVID	216	17	7.87
Total		10,338	1,570	15.19

* 15.19% corresponds to the percentage of funding in relation to the total of the proposals/applications submitted and not to the average of the success rates in the various Actions.

Table 15. Number of submissions and funding of male and female PIs and PhD Candidates-applicants for scholarships in the different Calls

FUNDING OF PROJECTS/SCHOLARSHIPS				
ACTION	WOMEN		MEN	
	Submissions	Funding	Submissions	Funding
1st PhDc (GSRI)	1,092	303	1,022	279
1st PDR (GSRI)	765	87	905	102
1st FM	863	68	2,316	210
1821	23	4	56	6
2nd PhDc	720	202	607	154
2nd PDR	545	32	617	68
10th Wave	1	1	0	0
1st ERC	3	1	5	4
Hubs	173	11	409	21
COVID	65	6	151	11
TOTAL	4,250	715	6,088	855

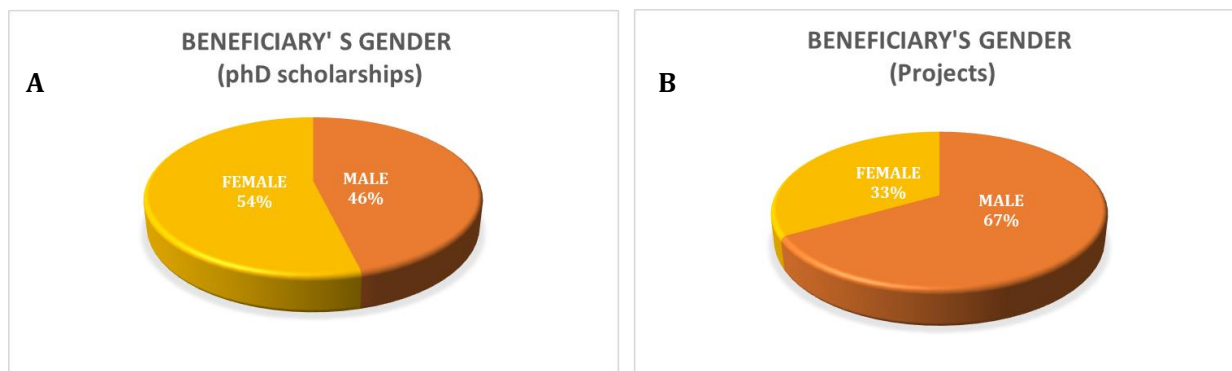


Figure 22. A, B. Percentage of male and female PIs of projects and PhD Candidates funded under H.F.R.I. Calls

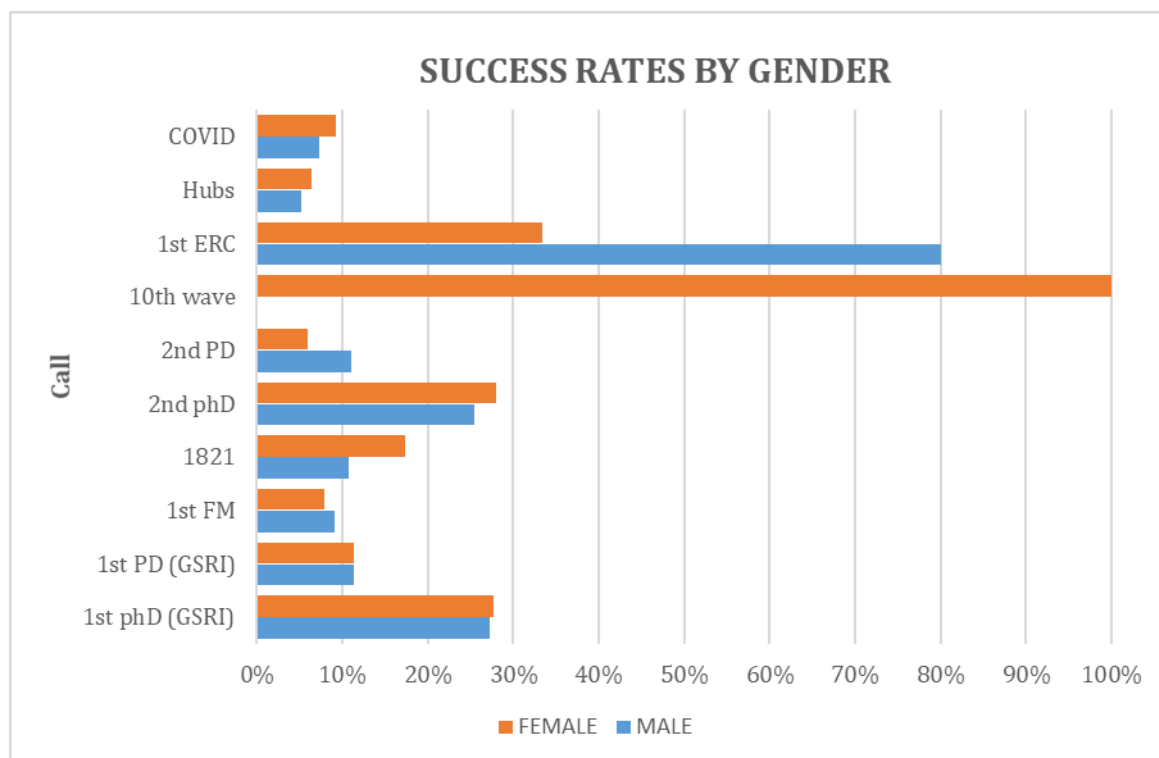


Figure 23. Success rates of PIs of projects and PhD Candidates by sex in the different H.F.R.I. Calls.

Table 16. Number of projects and corresponding Budgets of the Beneficiaries.

PROJECT FUNDING		
MAIN BENEFICIARIES	No. of PROJECTS	BUDGET
Higher Educational Institutions (AEI)	435	€76,999,922.13
RC-I	189	€43,117,909.74
Higher Military Educational Institutions (ASEI)	7	€897,921.00
University Research Institutes (URI)	1	€180,000.00

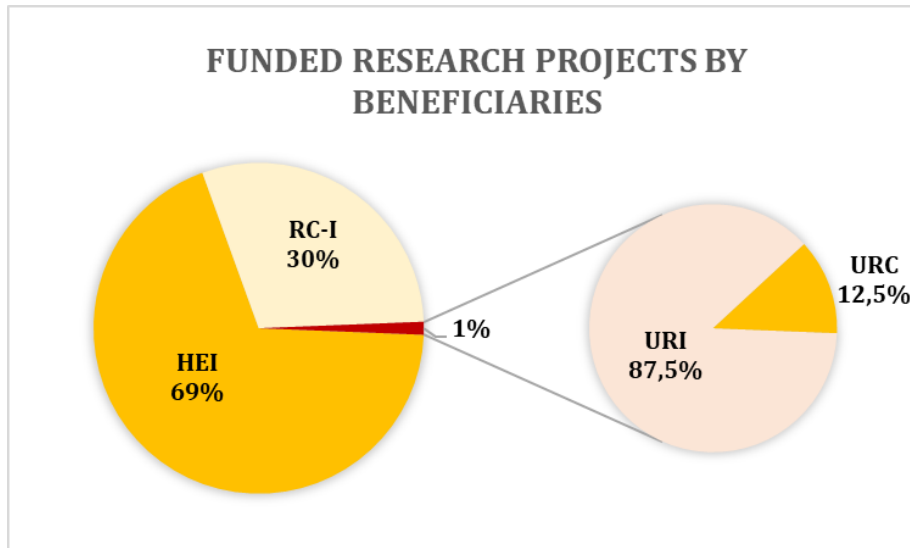


Figure 24. Success rates of Beneficiaries (research projects)

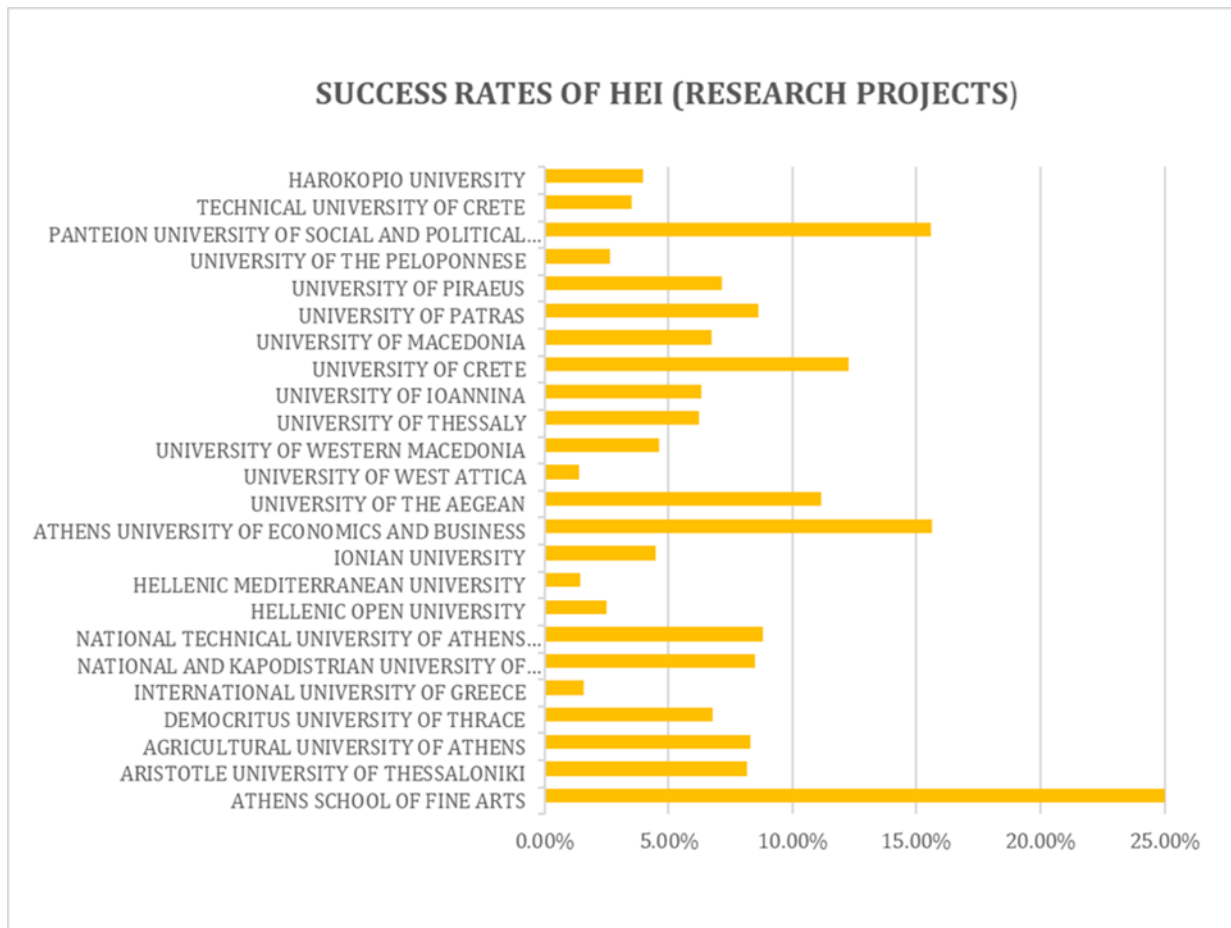


Figure 25. Success rates of projects by HEI.

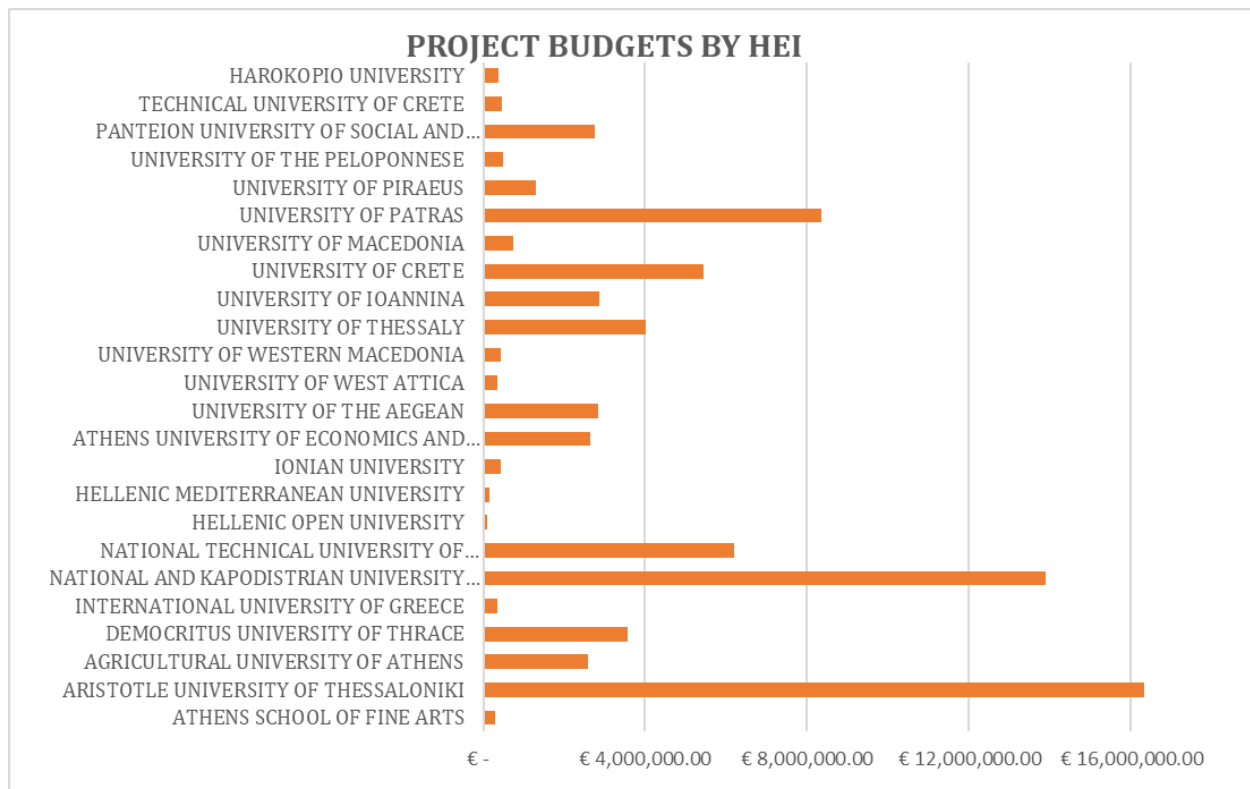


Figure 26. Overall Project Budgets by HEI.

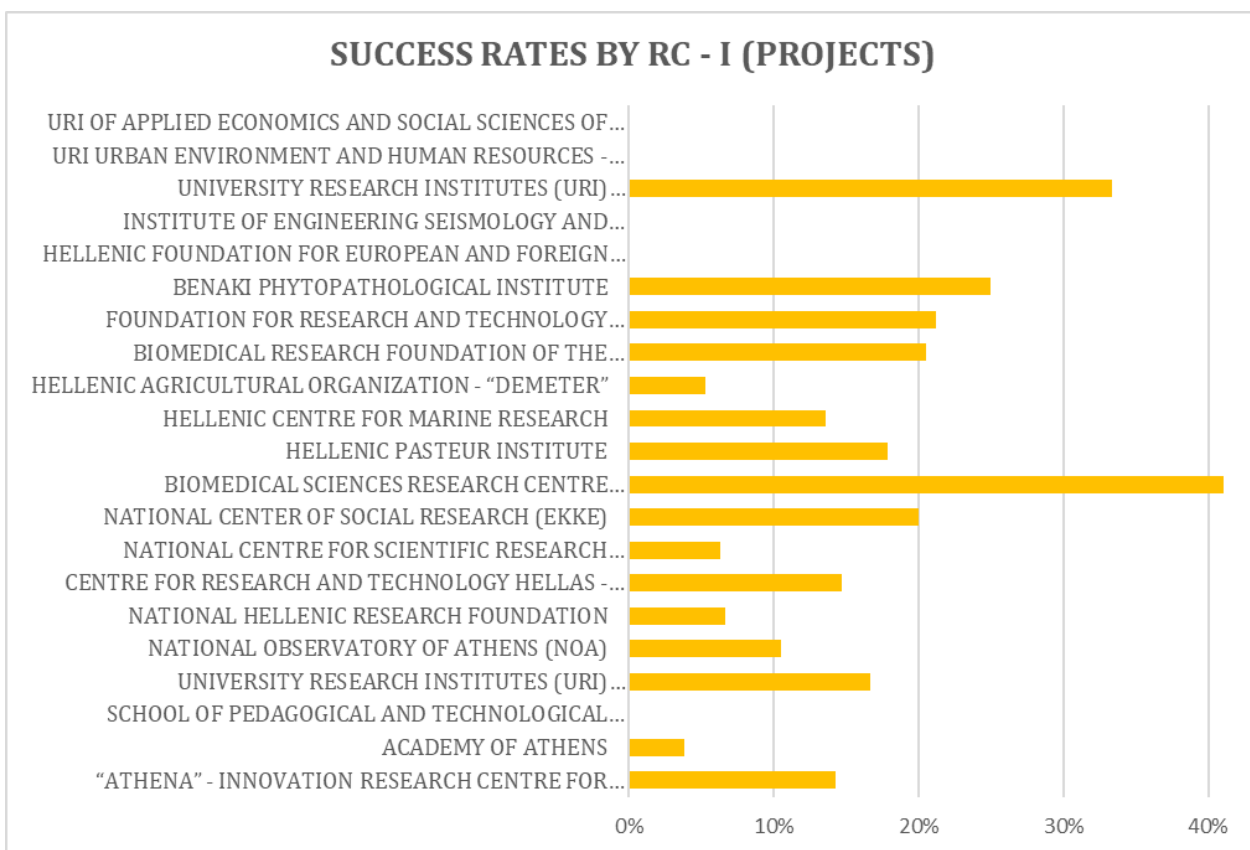


Figure 27. Success rates of projects by RC-I.

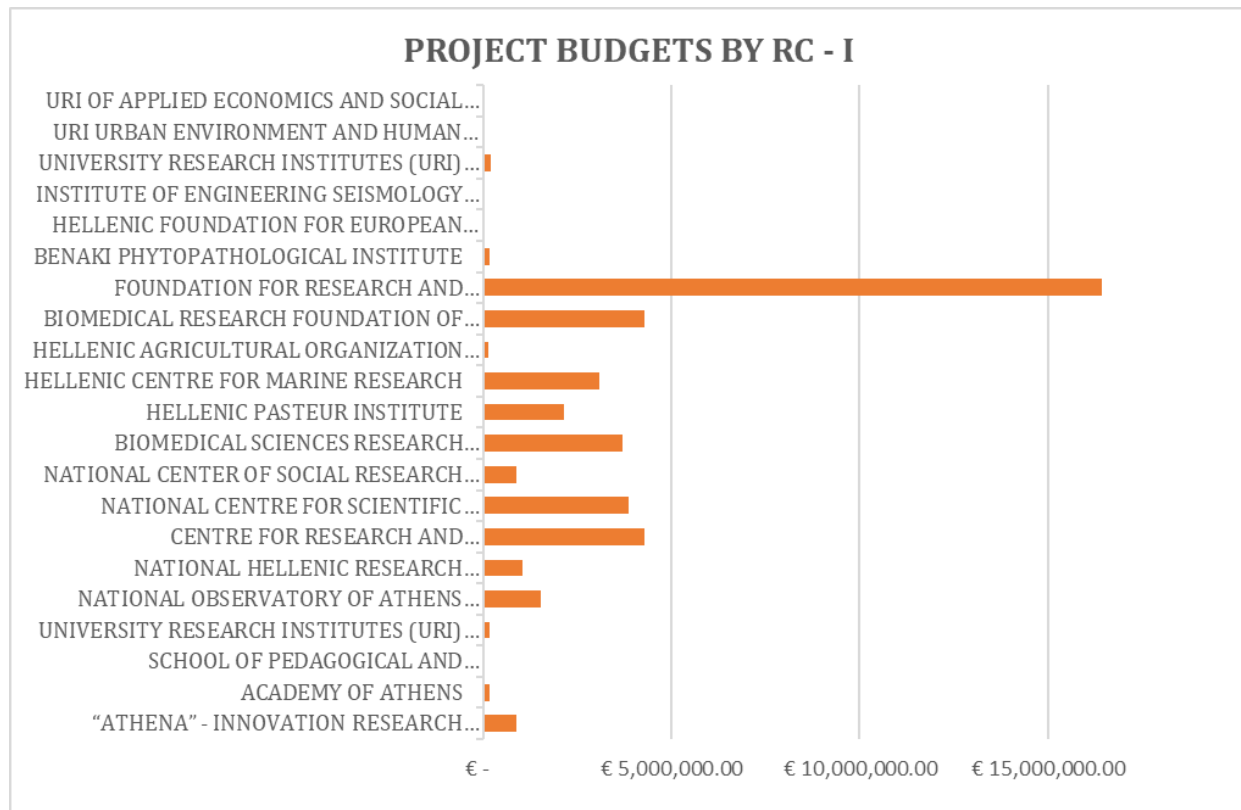


Figure 28. Overall Project Budgets by RC-I.

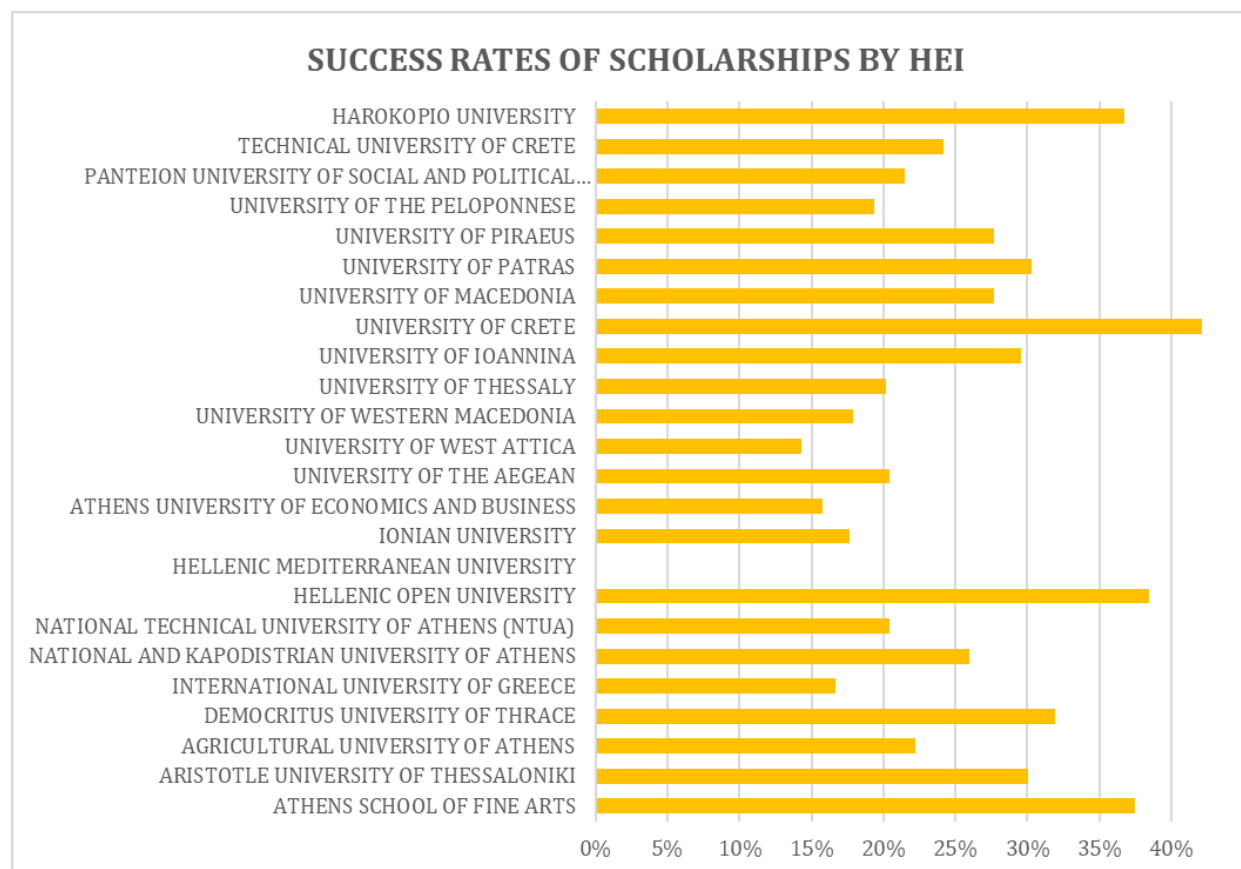


Figure 29. Success rates of scholarships by HEI

8.2 H.F.R.I. DISSEMINATION AND PUBLICITY ACTIONS

During its only **four (4) years of operation**, H.F.R.I. has carried out actions to inform the Beneficiaries with visits to the Academic and Research Institutions of the country and has attended information events at the invitation of other institutions (NDC 2019, NDC 2020, TIF). At the same time, it provides continuous information on its actions on the Foundation's website and social media as well as H.F.R.I. Web Portal.

Two online workshops were held in this context. The first, titled "*The Next Step: The creation and operation of start-ups*", took place on 27.01.2020 with the participation of distinguished academics, representatives of the State, researchers, representatives of organizations, as well as beneficiaries of H.F.R.I.'s actions and aimed at the interactive communication between the beneficiaries of funding/young scientists of H.F.R.I., representatives of entrepreneurship as well as the productive and development potential of the country. The second, which took place in March 2021 under the title "*H.F.R.I. – An independent pillar of support for unrestricted research*", aimed at highlighting the independent nature and objectives of the Foundation as well as the work carried out during its four years of operation. Two videos prepared specifically for this workshop are available in the following links, presenting the activities of the Foundation <https://www.youtube.com/watch?v=fr1Ejx39p0> and the work and impact of some of the beneficiaries of funding <https://www.youtube.com/watch?v=h4YwiowXQsk>.

Finally, for the promotion of the projects selected for funding under the 1st Call for Action "Science and Society" "200 Years from the Greek Revolution", H.F.R.I. held on the 5th of February 2020 at the National Historical Museum an event titled: "*200 years from the Greek Revolution: Conversing with History Today*", in the presence of the then President of the Hellenic Republic, Mr. Prokopios Pavlopoulos, representatives of the political leadership and the research and academic community. In addition, a similar event is planned in 2021 for the dissemination of the results of the funded projects under the aforementioned action.

All H.F.R.I. events are accessible through the following link <https://www.elidek.gr/category/ekdiloseis/>, while the videos thereof are available on the Foundation's channel on YouTube.

Figures 30-31 below present data in terms of the visitors to the website and social media, which are indicative of the impact of H.F.R.I.'s actions. The number of visitors to the website from foreign countries is of particular importance as an indicator of H.F.R.I.'s impact on brain-gain.

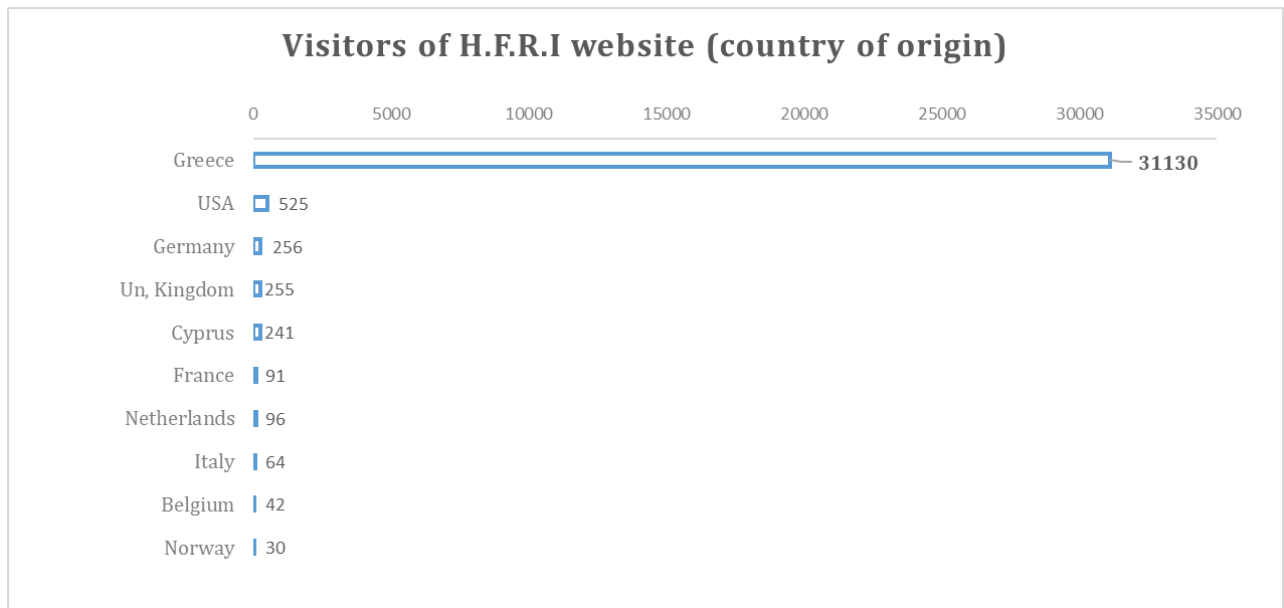


Figure 30: Country of origin and average number of visitors to H.F.R.I.'s website as an indicator of impact on brain-gain.

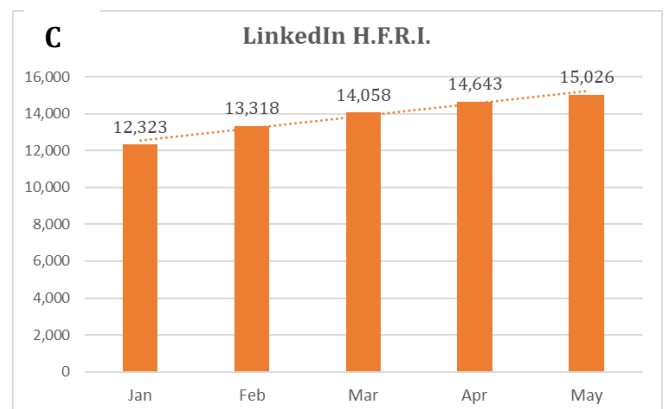
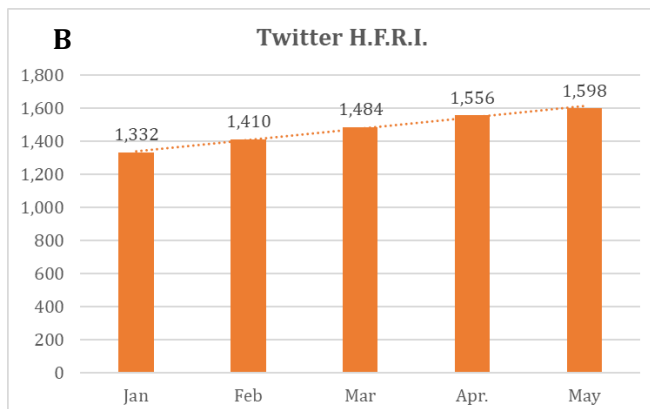
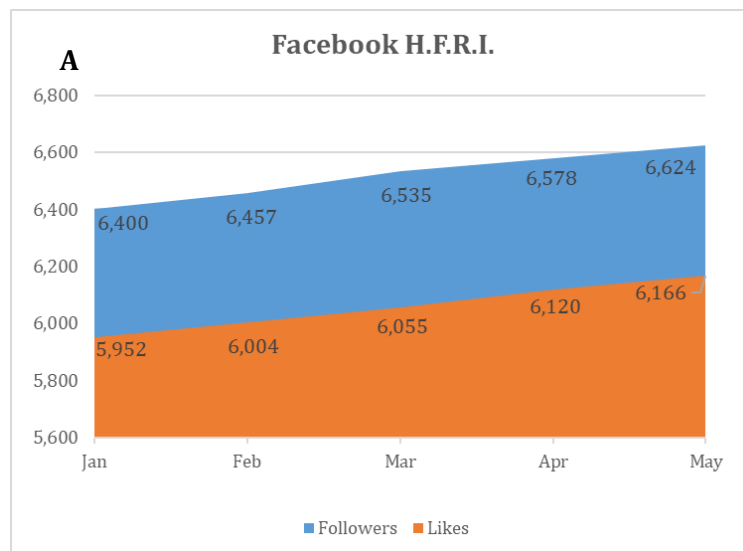


Figure 31: Visitors (followers) to H.F.R.I.'s social media during the first five (5) months of 2021

8.3 IMPACT OF H.F.R.I.'s PROJECTS/SCHOLARSHIPS

The impact of H.F.R.I.'s actions on the general as well as on the specialized public is reflected through the dissemination and publicity actions of the Foundation's beneficiaries. Interested parties may have access to these data on the Foundation's website ("*Impact of Actions*" Section) where information on each funded project is hosted per call as well as main dissemination actions carried out by the PIs.

The number of dissemination/publicity actions is expected to grow significantly in the coming years as the implementation of projects develops. As mentioned in the above Sections, out of the fifteen (15) actions announced so far by H.F.R.I., ten (10) are at the funding stage, with only the first two (2) (GSRI) of which being close to their completion. The projects/scholarships under the remaining Calls are at a fairly early stage as they were launched from the end of the 2nd semester of 2019 onwards; that is why there is a relatively small number of dissemination and publicity actions.

Table 17 below presents data on the dissemination/publicity actions under the various H.F.R.I. Calls. Please note that the information comes from a relevant questionnaire filled in by H.F.R.I.'s beneficiaries and not after checking the deliverables of the projects/scholarships in the respective Calls.

This research is in progress.

Table 17. Dissemination/publicity actions in the context of different H.F.R.I. Calls.

CALL	PERCENTAGE OF BENEFICIARIES ANSWERING THE QUESTIONNAIRE	PUBLICATIONS IN SCIENTIFIC JOURNALS WITH JUDGES	PUBLICATIONS (UNDER JUDGMENT)	DOCTORAL THESES (IN PROGRESS)	DOCTORAL THESES (COMPLETED)	PARTICIPATION IN CONFERENCES/WORKSHOPS (PRESENTATION/POSTER)	BOOKS/MONOGRAPHS	PATENTS	START-UPS
1st PhD	42%	473	172	141	110	941	23	0	0
2nd PhD	89%	260	168	305	9	475	15	0	0
1st PD	62%	287	139	80	12	530	19	0	0
2nd PD	70%	11	16	34	0	22	1	0	0
1st FM	87%	264	198	254	0	441	16	3	0
1821	90%	5	7	0	0	27	3	0	0
1st ERC	20%	6	7	2	0	4	0	0	0

The above information provided by the beneficiaries shows a considerable number of dissemination actions, also taking into account the maturity stage of the majority of projects. Moreover, a total of 370 doctoral theses are underway in the context of the projects.

Finally, it is worthwhile to note the wide dissemination of the projects implemented under the 1st Call for the Action “Science and Society” – “200 Years from the Greek Revolution”. These projects, apart from the publications in scientific journals and the participation in conferences, shall present important publicity actions with references in newspapers and news websites, television and radio interviews, the creation of audiovisual material, extensive references on social media, as well as in workshops and conferences.

The scientific and social impact of all projects within the framework of the Call for Action “Science and Society” as shown by the objectives of the relevant calls (Section 7) is expected to be of great importance.

8.4 IMPACT ON THE STRENGTHENING OF THE COUNTRY’S RESEARCH POTENTIAL

Finally, H.F.R.I. contributes to the increase in employment of the country’s research potential and thus to the prevention of the outflow of young scientists abroad. Indicatively, it is stated that according to data from the Financial Services/Special Accounts for Research Funds of thirty (32) out of forty five (45) Institutions – Beneficiaries in the context of its Calls, from 2017 onwards, a total of 2,859 persons (regular and temporary staff) of all academic grades have been employed, of whom 840 are PhD Candidates who receive a scholarship under the 1st and 2nd Call for H.F.R.I. Scholarships to PhD Candidates, with 371 being men and 469 women, while nine (9) in total are foreigners.

Accordingly, *Figure 32* shows the percentages of persons employed in H.F.R.I. projects per grade, while *Table 18* presents the details of men/women employed in these projects. Of them, a total of thirty (30) persons are foreigners (23 men, 7 women).

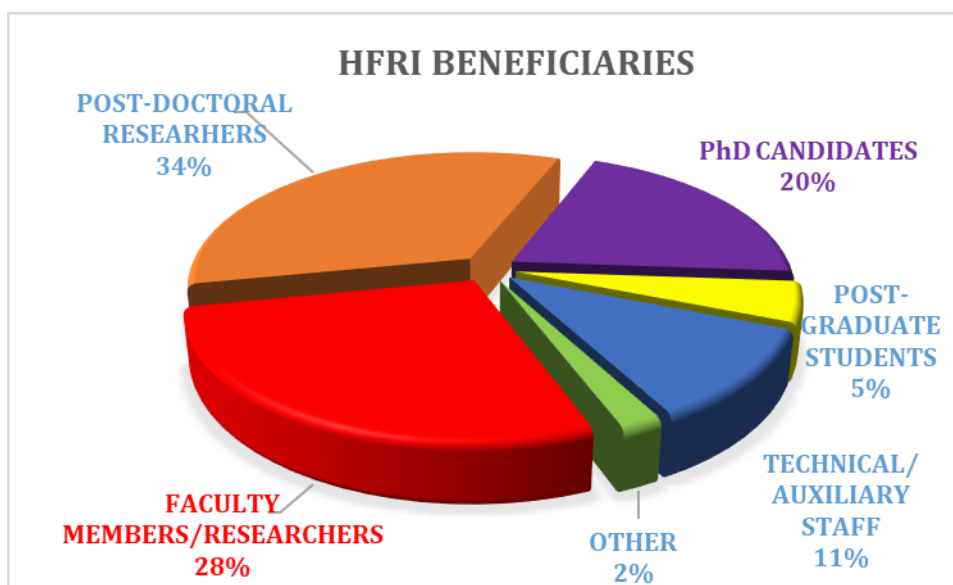


Figure 32. Percentages of beneficiaries per grade in H.F.R.I. projects.

Table 18: Number of men and women employed in H.F..R.I. projects per grade.

ACADEMIC GRADE	MEN	WOMEN	TOTALS
FACULTY MEMBERS/RESEARCHERS	375	185	560
POSTDOCTORAL RESEARCHERS	361	326	687

PHD CANDIDATES	223	185	408
POSTGRADUATE STUDENTS	42	57	99
TECHNICAL/AUXILIARY STAFF	115	109	224
OTHER	21	20	41
TOTALS	1,137	882	2,019

8.5 IMPACT OF H.F.R.I.'s ACTIONS ON THE PREVENTION OF THE OUTFLOW OF YOUNG SCIENTISTS ABROAD

Through its actions, H.F.R.I. has contributed to the prevention of the outflow of young scientists abroad (brain drain), as well as the possibility of Greek scientists to return from abroad (brain gain).

More specifically, according to data collected through (a) questionnaires filled in by beneficiaries of H.F.R.I.'s actions and/or (b) their CVs, the following arise:

1st Call for H.F.R.I. Research Projects to Support Postdoctoral Researchers

- 21% of Postdoctoral Researchers returned back home as they lived and worked abroad before H.F.R.I.'s funding.
- 83% of Postdoctoral Researchers consider their stay in the country very important.
- 92% consider H.F.R.I.'s funding to be very important.
- 49% of Postdoctoral Researchers living in Greece would leave the country if they did not receive funding from H.F.R.I.
- 72% of those who returned from abroad WOULD NOT return to Greece, if they did not receive funding from H.F.R.I.
- 80% of Postdoctoral Researchers already engaged in research are now able to continue their research work.
- 17% engaged in a non-research activity before being funded by H.F.R.I. have now returned back to research.

1st Call for H.F.R.I. Scholarships to PhD Candidates

- 96% of PhD Candidates who lived in Greece before H.F.R.I.'s funding remained in the country to continue their doctoral thesis.
- 95% of PhD Candidates consider H.F.R.I.'s scholarship very important.
- 45% of PhD Candidates would leave the country if they did not receive H.F.R.I.'s scholarship.
- 74% of the beneficiaries believe that the scholarship allows them to devote themselves to their doctoral thesis without engaging in other activities (employment mismatch).

2nd Call for H.F.R.I. Research Projects to Support Postdoctoral Researchers

- 20% of Postdoctoral Researchers returned back home as they lived and worked abroad.

Data on the "2nd Call for H.F.R.I. Research Projects to Support Postdoctoral Researchers" and the "2nd Call for H.F.R.I. Scholarships to PhD Candidates" will be updated on the basis of a questionnaire sent to the Beneficiaries.

SUMMARY-CONCLUSIONS

H.F.R.I. was established in 2016 with the aim of contributing to the strengthening of unrestricted research in the country's Academic and Research Institutions, by investing in supporting human resources and especially young scientists and researchers.

Unlike other financial institutions/tools, such as NSRF imposing geographical and/or thematic limitations, H.F.R.I. funds the **Blue Sky research** by implementing a *bottom-up* strategy, with Scientific Quality and Excellence being the sole criterion.

The support of unrestricted research across the entire range of the country's scientific potential, based only on scientific quality and excellence, without any thematic and other limitations, remains a key prerequisite and need, on the one hand, for the containment of great/young scientists in the country and, on the other hand, for the shaping of the conditions that will lead to the Knowledge Economy.

H.F.R.I.'s administration structure follows a radical approach ("bottom-up") since the members of the academic and research community themselves, through the Scientific Council of the Foundation, selected by its representatives (General Assembly), specify the research priorities, plan actions and processes for their implementation, promoting meritocracy and scientific quality and contributing in general to the shaping of the country's research policy.

This model of administration, apart from being innovative, proves to be very effective as over a period of about four (4) years it has achieved the assurance of the Foundation's independence, its establishment, staffing and development, and at the same time even the implementation of its objectives and goals through its actions. This is the clearest indicator of the high efficiency and effectiveness of the administration model (General Assembly, Scientific Council, Director and Deputy Director and the Advisory Committee).

The preservation of H.F.R.I.'s independence according to the standards of other national and European research funding organizations is a central pillar for its preservation and development within the framework of a national research strategy, without any thematic or geographical limitations.

H.F.R.I. has only temporary staff consisting of twenty-five (25) persons, of whom two (2) are on a posting. 75% of them hold a Master and/or a PhD. H.F.R.I.'s personnel is the driving force behind the Foundation's actions covering the entire range of its planning, development and organization, as well as the implementation and support of all H.F.R.I.'s actions.

The gradual staffing of H.F.R.I. with regular staff too is a prerequisite for ensuring the proper functioning of the Foundation and the halting of the phenomenon of loss of know-how due to resignations.

In its four (4) years of operation, H.F.R.I. has been recognized among the country's academic and research community having already left a great imprint on the academic and research landscape. The Foundation's Actions are announced within an average period of 18 months, while efforts are being made to optimize the time and evaluation process in order to ensure transparency and reliability. H.F.R.I. has created a tradition of continuity, consistency as well as scientific quality and excellence,

fully responding to the constant request of the country's research community for a regular announcement of "main research" actions, without any thematic and other limitations.

H.F.R.I.'s refunding is considered vital.

H.F.R.I. should continue to support unrestricted research, having as a sole criterion the scientific quality and excellence, without any thematic or other limitations, thus strengthening human resources across the whole range of academic/research grades (PhD Candidates, Postdoctoral Researchers, Faculty Members and Researchers), in order to prevent the phenomenon of outflow of Greek scientists abroad.

The preservation and extension of the "Science and Society" Action as well as of the Emblematic Actions is particularly important as they are designed by the Foundation's Scientific Council with a unique bottom-up approach aimed at linking Research directly to the needs of Society and creating attractive conditions for synergies with great added value.

For this to happen, the following should be ensured:

- **The publication of Calls with continuity, consistency and constant periodicity of 18-24 months, and an operational planning with an 8-year horizon, which will be communicated in advance to the scientific community**
- **Increasing the Foundation's funding by at least 50% compared to current funding, with the aim of increasing the success rate of participants in all Actions.**

H.F.R.I. as a new institution faced and faces objective difficulties which make its work difficult and are largely due to the restricting institutional framework. The simplification of procedures and the reduction of bureaucracy are necessary conditions for H.F.R.I. to obtain the necessary potential in order to adapt crucially to the needs of Research.

In this context, the following legislative arrangements shall be suggested (<https://www.elidek.gr/proteinomenes-nomothetikes-rythmiseis/>)

A. Reduction of the duration of evaluation

- Abolishment of THACs since transparency shall be ensured by the mandatory use of the Register
- Simplification of the assignment process for proposals/applications to independent evaluators (through the Register)
- Appointment of the Register's Committee by the Scientific Council given that capacities are specified and described in the law.

B. Independence and adequacy of Administrative Bodies

- Expansion and strengthening of the administrative capacity/experience of the Foundation's administrative bodies who are responsible for implementing its strategy, either by modifying the skills of the Director so as to have an administrative profile or by reinstating a post of Deputy Director with an administrative profile.

C. Staff matters

- Proper legislation regarding the exclusion of temporary staff of the Foundation from the recruitment approval procedure (CM Act 33/2006, as in force)
- Possibility of recognition of pay scale for a previous seven-year employment under works contracts for reasons of equal treatment.

D. Resources-Financial Management

- The management of resources resulting from the Agreement as of 15.07.2016 as well as from future relevant Agreements should be governed by the rules for the management of European/international resources
- Possibility of using capital returns for the purposes of the Foundation (Call for Actions)
- Possibility of H.F.R.I.'s participation in development and research programs as well as the possibility of revenue from the provision of services.

The establishment and extension of Law 4429/2016 as a specific institutional framework over the general provisions is necessary in order to ensure clarity, flexibility and proper legislation.

ANNEX I. Funding of equipment under the 1st Call for the procurement of high-cost equipment

Scientific Area	Equipment	Institution	Budget
SA.3 LIFE SCIENCES	Automated high-content imaging and high-throughput functional electrophysiological analysis SYSTEM	HELLENIC PASTEUR INSTITUTE	€1,440,000.00
SA.6 SOCIAL SCIENCES	Access to Databases Thomson/Reuters-Eikon, Bloomberg, WRDS	UNIVERSITY OF PIRAEUS	€336,000.00
SA.3 LIFE SCIENCES	Single-Cell Transcriptomic and Metabolomic Profiling Facility	BIOMEDICAL SCIENCES RESEARCH CENTRE "ALEXANDER FLEMING"	€1,440,000.00
SA.1 PHYSICAL SCIENCES	Small angle X-Ray Scatering system	FOUNDATION FOR RESEARCH AND TECHNOLOGY HELLAS (FORTH)	€899,520.00
SA.3 LIFE SCIENCES	High resolution Scanning Electron Microscopy System	FOUNDATION FOR RESEARCH AND TECHNOLOGY HELLAS (FORTH)	€1,433,856.00
SA.8 ENVIRONMENT AND ENERGY	Mass spectroscopy system (PTR-Tof-MS/CHARON and SP2)	FOUNDATION FOR RESEARCH AND TECHNOLOGY HELLAS (FORTH)	€935,606.40
SA.2 ENGINEERING SCIENCES AND TECHNOLOGY	a)Inductively couple plasma etching equipment for metals and metal oxides with atomic layer etching capability, b)Electron gun evaporator deposition system for metals and metal oxides, for enabling metallization, and thin film formation.	NATIONAL CENTRE FOR SCIENTIFIC RESEARCH "DEMOKRITOS"	€1,439,424.00
SA.7 HUMANITIES AND ARTS	Library map system	ARISTOTLE UNIVERSITY OF THESSALONIKI	€1,008,000.00
SA.1 PHYSICAL SCIENCES	Energy Sound Source & Controller, Multi Channel Streamer, High Air Pressure Compressor, Multi Channel Acquisition Software & RGPS Tracking System, QC & seismic processing software "	HELLENIC CENTRE FOR MARINE RESEARCH	€1,248,187.20
SA.3 LIFE SCIENCES	FACS Cell Sorter & Flow cytometer, Live-cell Metabolic Assay Analyzer	CENTRE FOR RESEARCH AND TECHNOLOGY HELLAS - CERTH	€1,199,616.00

SA.2 ENGINEERING SCIENCES AND TECHNOLOGY	Magnetoencephalography (MEG) system	ARISTOTLE UNIVERSITY OF THESSALONIKI	€1,440,000.00
SA.2 ENGINEERING SCIENCES AND TECHNOLOGY	Horizontal fire resistance furnace, loading system, steel loading frame	UNIVERSITY OF PATRAS	€1,440,000.00
SA.5 MATHEMATICS AND INFORMATION SCIENCES	(a) Motion capture system: Specialized high frame rate IR Cameras for motion capture, High frame rate and high resolution RGB cameras for dataset acquisition, Camera connectivity and networking equipment (NICs, POE Switches, cables, etc), MOCAP Calibration equipment, Software licenses. (b) GPU-based computing infrastructure: General purpose GPU (GPGPU) servers with multiple NVIDIA GPUs. (c) Data storage system: NAS storage server, HDD drives."	FOUNDATION FOR RESEARCH AND TECHNOLOGY HELLAS (FORTH)	€760,284.48
SA.4 AGRICULTURAL SCIENCES-FOOD SCIENCE AND TECHNOLOGY	a) The EFF (Extraction and Fractionation Facility): Fast-Protein-Liquid-Chromatography (FPLC) system. b) High Performance Liquid-Gas-Chromatography System / Triple quadrapole – Mass Spectrometry System	DEMOCRITUS UNIVERSITY OF THRACE	€1,440,000.00
SA.2 ENGINEERING SCIENCES AND TECHNOLOGY	X-ray Photoelectron Spectroscopy (XPS) System	CENTRE FOR RESEARCH AND TECHNOLOGY HELLAS - CERTH	€1,440,000.00
SA.3 LIFE SCIENCES	Scanning Electron Microscopy SYSTEM	NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS	€1,436,160.00
SA.2 ENGINEERING SCIENCES AND TECHNOLOGY	Cutting-edge volcanic seafloor observatory using innovative marine technology (integrating hyperspectral and temperature sensors, a radiation spectrometer, fluid/gas samplers and pressure gauges) within the most-active submarine Mediterranean volcano, Kolumbo	NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS	€590,400.00

ANNEX II. Submissions – Funding and Success rates by Main Beneficiaries for Projects and Scholarships

FUNDING OF PROJECTS BY MAIN BENEFICIARY (SUCCESS RATES)					
A/N	INSTITUTION	SUBMISSIONS	FUNDING	BUDGET	SUCCESS RATE
HIGHER EDUCATIONAL INSTITUTIONS (AEI)					
1.	ATHENS SCHOOL OF FINE ARTS	12	3	€290,472.00	25%
2.	ARISTOTLE UNIVERSITY OF THESSALONIKI	1018	83	€16,341,723.10	8%
3.	AGRICULTURAL UNIVERSITY OF ATHENS	157	13	€2,576,038.00	8%
4.	DEMOCRITUS UNIVERSITY OF THRACE	206	14	€3,579,377.60	7%
5.	INTERNATIONAL UNIVERSITY OF GREECE	128	2	€360,000.00	2%
6.	NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS	871	74	€13,890,516.25	8%
7.	NATIONAL TECHNICAL UNIVERSITY OF ATHENS (NTUA)	431	38	€6,214,958.85	9%
8.	HELLENIC OPEN UNIVERSITY	40	1	€96,000.00	3%
9.	HELLENIC MEDITERRANEAN UNIVERSITY	70	1	€164,000.00	1%
10.	IONIAN UNIVERSITY	67	3	€434,500.00	4%
11.	ATHENS UNIVERSITY OF ECONOMICS AND BUSINESS	128	20	€2,644,959.59	16%
12.	UNIVERSITY OF THE AEGEAN	170	19	€2,835,673.19	11%
13.	UNIVERSITY OF WEST ATTICA	145	2	€340,000.00	1%
14.	UNIVERSITY OF WESTERN MACEDONIA	87	4	€427,942.00	5%
15.	UNIVERSITY OF THESSALY	417	26	€4,019,717.02	6%

16.	UNIVERSITY OF IOANNINA	270	17	€2,882,686.00	6%
17.	UNIVERSITY OF CRETE	261	32	€5,432,462.11	12%
18.	UNIVERSITY OF MACEDONIA	104	7	€726,993.00	7%
19.	UNIVERSITY OF PATRAS	476	41	€8,344,518.89	9%
20.	UNIVERSITY OF PIRAEUS	98	7	€1,287,465.47	7%
21.	UNIVERSITY OF THE PELOPONNESE	114	3	€486,423,20	3%
22.	PANTEION UNIVERSITY OF SOCIAL AND POLITICAL SCIENCES	122	19	€2,769,998.00	16%
23.	TECHNICAL UNIVERSITY OF CRETE	85	3	€473,458.86	4%
24.	HAROKOPIO UNIVERSITY	76	3	€380,039.00	4%
HIGHER MILITARY EDUCATIONAL INSTITUTIONS (ASEI)					
1.	HIGHER MILITARY EDUCATIONAL INSTITUTIONS (ASEI) AND HIGHER MILITARY OFFICERS' SCHOOLS (ASSY)	25	1	€180,000.00	4%
RESEARCH CENTRES-INSTITUTES					
1.	"ATHENA" - INNOVATION RESEARCH CENTRE FOR INFORMATION TECHNOLOGIES, COMMUNICATIONS AND KNOWLEDGE	42	6	€884,955.00	14%
2.	ACADEMY OF ATHENS	26	1	€159,500.00	4%
3.	SCHOOL OF PEDAGOGICAL AND TECHNOLOGICAL EDUCATION (ASPETE)	7	0	€ -	0%

4.	UNIVERSITY RESEARCH INSTITUTES (URI) TELECOMMUNICATIONS SYSTEMS - TECHNICAL UNIVERSITY OF CRETE	6	1	€187,887.20	17%
5.	NATIONAL OBSERVATORY OF ATHENS (NOA)	95	10	€1,549,442.00	11%
6.	NATIONAL HELLENIC RESEARCH FOUNDATION	105	7	€1,062,664.23	7%
7.	CENTRE FOR RESEARCH AND TECHNOLOGY HELLAS - CERTH	75	11	€4,285,413.42	15%
8.	NATIONAL CENTRE FOR SCIENTIFIC RESEARCH "DEMOKRITOS"	238	15	€3,876,195.44	6%
9.	NATIONAL CENTER OF SOCIAL RESEARCH (EKKE)	30	6	€902,290.56	20%
10.	BIOMEDICAL SCIENCES RESEARCH CENTRE "ALEXANDER FLEMING"	34	14	€3,715,247.00	41%
11.	HELLENIC PASTEUR INSTITUTE	28	5	€2,159,957.12	18%
12.	HELLENIC CENTRE FOR MARINE RESEARCH	81	11	€3,102,157.00	14%
13.	HELLENIC AGRICULTURAL ORGANIZATION - "DEMETER"	19	1	€150,000.00	5%
14.	BIOMEDICAL RESEARCH FOUNDATION OF THE ACADEMY OF ATHENS	117	24	€4,288,101.50	21%
15.	FOUNDATION FOR RESEARCH AND	353	75	€16,424,539.27	21%

	TECHNOLOGY HELLAS (FORTH)				
16.	BENAKI PHYTOPATHOLOGICAL INSTITUTE	4	1	€170,000.00	25%
17.	UNIVERSITY RESEARCH INSTITUTES (URI) THEORETICAL AND COMPUTATIONAL PHYSICS - UNIVERSITY OF CRETE	3	1	€199,56.00	33%
UNIVERSITY RESEARCH INSTITUTES					
1.	URI URBAN ENVIRONMENT AND HUMAN RESOURCES - PANTEION UNIVERSITY	5	1	€113,740.00	20%
2.	URI INTERNATIONAL RELATIONS - PANTEION UNIVERSITY	4	0	€ -	0%
3.	URI ACCELERATING SYSTEMS AND APPLICATIONS - EKPA & NTUA	8	2	€400,000.00	25%
4.	URI STUDY OF GENETICS AND MALIGNANT DISEASES OF CHILDHOOD - EKPA	8	1	€100,000.00	13%
5.	URI COMMUNICATION AND COMPUTER SYSTEMS (ICCS) - NTUA	28	3	€284,181.00	11%
6.	URI MENTAL HEALTH, NEUROSCIENCES AND PRECISION MEDICINE “Costis Stefanis” - EKPA	3	0	€ -	0%
TOTALS		6897	632	€121,195,752.87	

SCHOLARSHIPS GRANTED BY MAIN BENEFICIARY (AEI, ASEI) AND SUCCESS RATES					
A/N	INSTITUTION	SUBMISSIONS	SCHOLARSHIPS	BUDGET	SUCCESS RATE
HIGHER EDUCATIONAL INSTITUTIONS (AEI)					
1.	ATHENS SCHOOL OF FINE ARTS	8	3	€64,800.00	38%
2.	ARISTOTLE UNIVERSITY OF THESSALONIKI	692	208	€4,624,200.00	30%
3.	AGRICULTURAL UNIVERSITY OF ATHENS	81	18	€441,900.00	22%
4.	DEMOCRITUS UNIVERSITY OF THRACE	166	53	€1,299,600.00	32%
5.	INTERNATIONAL UNIVERSITY OF GREECE	6	1	€32,400.00	17%
6.	NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS	597	155	€3,510,300.00	26%
7.	NATIONAL TECHNICAL UNIVERSITY OF ATHENS (NTUA)	358	73	€1,677,870.00	20%
8.	HELLENIC OPEN UNIVERSITY	13	5	€105,300.00	38%
9.	IONIAN UNIVERSITY	34	6	€115,200.00	18%
10.	ATHENS UNIVERSITY OF ECONOMICS AND BUSINESS	57	9	€238,500.00	16%
11.	UNIVERSITY OF THE AEGEAN	103	21	€478,800.00	20%
12.	UNIVERSITY OF WEST ATTICA	14	2	€64,800.00	14%
13.	UNIVERSITY OF WESTERN MACEDONIA	28	5	€126,000.00	18%
14.	UNIVERSITY OF THESSALY	198	40	€903,600.00	20%
15.	UNIVERSITY OF IOANNINA	196	58	€1,407,000.00	30%
16.	UNIVERSITY OF CRETE	222	94	€2,116,800.00	42%
17.	UNIVERSITY OF MACEDONIA	47	13	€270,000.00	28%
18.	UNIVERSITY OF PATRAS	337	102	€2,148,150.00	30%

19.	UNIVERSITY OF PIRAEUS	47	13	€278,100.00	28%
20.	UNIVERSITY OF THE PELOPONNESE	31	6	€135,900.00	19%
21.	PANTEION UNIVERSITY OF SOCIAL AND POLITICAL SCIENCES	93	20	€566,100.00	22%
22.	TECHNICAL UNIVERSITY OF CRETE	62	15	€365,400.00	24%
23.	HAROKOPIO UNIVERSITY	49	18	€421,200.00	37%
HIGHER MILITARY EDUCATIONAL INSTITUTIONS					
1.	HIGHER MILITARY EDUCATIONAL INSTITUTIONS (ASEI) AND HIGHER MILITARY OFFICERS' SCHOOLS (ASSY)	2	0	€ -	0%
TOTALS		3441	938	€21,391,920.00	

ANNEX III. Certification Reporting Template

ΑΝΑΦΟΡΑ ΠΙΣΤΟΠΟΙΗΤΗ / EXPERT REPORT

Αριθμός Έργου / Project Number:	
Ακρωνύμιο Έργου / Project Acronym:	
Τίτλος Έργου / Project Title:	
Τίτλος Δράσης / Call:	“1st Call for H.F.R.I. Research Projects to Support Faculty Members & Researchers and Procure High-Value Research Equipment” (First call for H.F.R.I. Research Projects to support Faculty Members and Researchers and the procurement of high-cost research equipment)
Επιστημονική Περιοχή / Scientific Area:	
Κατηγορία Έργου / Project Category:	
Επιστημονικός/ή Υπεύθυνος/η / Principal Investigator:	
Ημερομηνία Έναρξης / Starting Date:	
Διάρκεια / Duration:	
Τροποποιήσεις (αριθμός, Α.Π.) / Amendments (number, ref. no):	
Περίοδος Αναφοράς / Reporting Period:	
Ημερομηνία Υποβολής Έκθεσης Προόδου / Date of Reporting Submission:	
Επιτόπιο Έλεγχος / On Site Review:	
Όνοματεπώνυμο Πιστοποιητή / Expert Name:	

A. Συνολική Αξιολόγηση Έργου / Project Overall Assessment

A1. Συνολική Αξιολόγηση Έργου / Project Overall Assessment

Σημείωση: Επιλέξτε μεταξύ των παρακάτω προτεινόμενων πεδίων.

Note: Please choose among the following.

- Πλήρης επίτευξη των στόχων, των παραδοτέων και των οροσήμων του έργου για τη συγκεκριμένη περίοδο αναφοράς. / Project has fully achieved its objectives, deliverables and milestones for the specific reporting period.
- Επίτευξη των στόχων, των παραδοτέων και των οροσήμων του έργου για τη συγκεκριμένη περίοδο αναφοράς με σχετικά μικρές αποκλίσεις. / Project has achieved most of its objectives, deliverables and milestones for the specific reporting period, with minor deviations.
- Μερική επίτευξη των στόχων, των παραδοτέων και των οροσήμων του έργου για τη συγκεκριμένη περίοδο αναφοράς. Απαιτούνται διορθωτικές δράσεις. / Project has partially achieved its objectives, deliverables and milestones for the specific reporting period. Corrective actions are required.
- Αποτυχία επίτευξης των κυριότερων στόχων, παραδοτέων και οροσήμων του έργου για τη συγκεκριμένη περίοδο αναφοράς ή/και παρατηρήθηκαν μεγάλες καθυστερήσεις. / Project failed to achieve critical objectives, deliverables and milestones for the specific reporting period and/or severely delays are noticed.

A2. Σημαντικά αποτελέσματα που σχετίζονται με ό,τι προβλεπόταν στο Τεχνικό Δελτίο του Έργου (ΤΔΕ) / Significant results linked to the Description of Work (DoW)

Σημείωση: Επιλέξτε μεταξύ των παρακάτω προτεινόμενων πεδίων και προσθέστε σχόλια έκτασης 50 – 500 λέξεων.

Note: Please choose among the following and add comments (50 – 500 words).

- Το έργο οδήγησε σε εξαιρετικά αποτελέσματα μεθετικό αντίκτυπο. / Project has delivered exceptional results with significant impact.
- Το έργο πιθανά θα οδηγήσει σε αποτελέσματα μεθετικό αντίκτυπο στην επόμενη περίοδο αναφοράς. / Project will likely provide results with significant impact in the next reporting period.
- Το έργο δεν οδήγησε σε αποτελέσματα μεθετικό αντίκτυπο μέχρι τώρα. / Project has not so far delivered results with significant impact.

Σχόλια / Comments:

A3. Γενικά Σχόλια / General comments

Σημείωση: Προσθέστε γενικά σχόλια αναφορικά με το υπό εξέταση έργο. Τα σχόλια πρέπει να έχουν έκταση μεταξύ 50 και 500 λέξεων.

Note: Please add general comments corresponding to the under review project. The comments have to be between 50 and 500 words.

A4. Συστάσεις αναφορικά με την υπό εξέταση περίοδο (εάν εφαρμόζεται) / Recommendations concerning the reporting period (if applicable)

Σημείωση: Δεν υπάρχει όριο λέξεων για το συγκεκριμένο πεδίο.

Note: There is no word limit in this field.

A5. Συστάσεις αναφορικά με μελλοντικές δράσεις (εάν εφαρμόζεται) / Recommendations concerning future work (if applicable)

Σημείωση: Δεν υπάρχει όριο λέξεων για το συγκεκριμένο πεδίο.

Note: There is no word limit in this field.

B. Στόχοι και Σχέδιο Υλοποίησης Έργου / Project Objectives and Workplan**B1. Συμβαδίζει η πρόοδος του έργου με τους στόχους και το σχέδιο υλοποίησης όπως αναφέρονται στο ΤΔΕ; Αναφέρατε τυχόν σημαντικές παρεκκλίσεις. / Is the progress reported in line with the objectives and the workplan as presented in the DoW? Please comment if significant deviations are noticed.**

Σημείωση: Επιλέξτε μεταξύ των παρακάτω προτεινόμενων πεδίων και προσθέστε σχόλια έκτασης 50 – 500 λέξεων.

Note: Please choose among the following and add comments between 50 and 500 words.

- Ναι / Yes
- Όχι / No
- Μερικώς / Partially

Σχόλια / Comments:

B2. Παραμένουν οι στόχοι του έργου επιστημονικά ή/και τεχνολογικά σημαντικοί; / Are the project objectives still scientifically and/or technologically relevant?

Σημείωση: Επιλέξτε μεταξύ των παρακάτω προτεινόμενων πεδίων και προσθέστε σχόλια έκτασης 50 – 500 λέξεων.

Note: Please choose among the following and add comments (50 – 500 words).

- Ναι / Yes
- Όχι / No
- Μερικώς / Partially

Σχόλια / Comments:

B3. Οι αναφερόμενοι στο ΤΔΕ κίνδυνοι και τα μέτρα αντιμετώπισής τους εξακολουθούν να είναι πιθανοί και εφαρμόσιμα, αντίστοιχα; / Are the implementation risks and mitigation measures described in the DoW still relevant?

Σημείωση: Προσθέστε γενικά σχόλια αναφορικά με το υπό εξέταση έργο. Τα σχόλια πρέπει να έχουν έκταση μεταξύ 50 και 500 λέξεων. Το όριο δεν ισχύει αν η απάντηση είναι «δεν εφαρμόζεται».

Note: Please add general comments corresponding to the under review project. The comments have to be between 50 and 500 words. Word limit is not required if the answer is “non applicable”.

- Ναι / Yes
- Όχι / No
- Μερικώς / Partially
- Δεν εφαρμόζεται / Non applicable

Σχόλια / Comments:

B4. Τα πρωτότυπα ή οι μελέτες περίπτωσης που αναφέρονται στο ΤΔΕ έχουν αρχίσει να οδηγούν σε σημαντικά/καινοτόμα αποτελέσματα; (εάν εφαρμόζεται) / Have the pilot/case studies referred in DoW started to show significant/innovative results? (if applicable)

Σημείωση: Προσθέστε γενικά σχόλια αναφορικά με το υπό εξέταση έργο. Τα σχόλια πρέπει να έχουν έκταση μεταξύ 50 και 500 λέξεων. Το όριο δεν ισχύει αν η απάντηση είναι «δεν εφαρμόζεται».

Note: Please add general comments corresponding to the under review project. The comments have to be between 50 and 500 words. Word limit is not required if the answer is “non applicable”.

- Ναι / Yes
- Όχι / No
- Μερικώς / Partially
- Δεν εφαρμόζεται / Non applicable

Σχόλια / Comments:

B5. Πιθανά θέματα δεοντολογίας που εμφανίζονται στο έργο αντιμετωπίζονται και παρουσιάζονται κατάλληλα; (εάν εφαρμόζεται) / Are adequately addressed possible ethical issues mentioned in the project? (if applicable)

Σημείωση: Προσθέστε γενικά σχόλια αναφορικά με το υπό εξέταση έργο. Τα σχόλια πρέπει να έχουν έκταση μεταξύ 50 και 500 λέξεων. Το όριο δενισχύει αν η απάντησή είναι «δεν εφαρμόζεται».

Note: Please add general comments corresponding to the under review project. The comments have to be between 50 and 500 words. Word limit is not required if the answer is “non applicable”.

Ναι / Yes

Όχι / No

Μερικώς / Partially

Δεν εφαρμόζεται / Non applicable

Σχόλια / Comments:

B6. Έχουν ληφθεί υπόψη σχόλια και συστάσεις από την προηγούμενη εξεταζόμενη περίοδο; (εάν εφαρμόζεται) / Have the comments and recommendations from previous assessments been taken into account? (if applicable)

Σημείωση: Προσθέστε γενικά σχόλια αναφορικά με το υπό εξέταση έργο. Τα σχόλια πρέπει να έχουν έκταση μεταξύ 50 και 500 λέξεων. Το όριο δενισχύει αν η απάντησή είναι «δεν εφαρμόζεται».

Note: Please add general comments corresponding to the under review project. The comments have to be between 50 and 500 words. Word limit is not required if the answer is “non applicable”.

Ναι / Yes

Όχι / No

Μερικώς / Partially

Δεν εφαρμόζεται / Non applicable

Σχόλια / Comments:

C. Αντίκτυπος Έργου / Project Impact

C1. Συνάδουν οι επιτευχθέντες στόχοι με τους αντίστοιχους αναφερόμενους στο ΤΔΕ; / Does the work carried out contribute to the expected impacts as described in the DoW?

Σημείωση: Επιλέξτε μεταξύ των παρακάτω προτεινόμενων πεδίων και προσθέστε σχόλια έκτασης 50 – 500 λέξεων.

Note: Please choose among the following and add comments between 50 and 500 words.

<input type="checkbox"/> Ναι / Yes <input type="checkbox"/> Όχι / No <input type="checkbox"/> Μερικώς / Partially <input type="checkbox"/> Δεν εφαρμόζεται / Non applicable Σχόλια / Comments:

D. Υλοποίηση Έργου / Project Implementation

<p>D1. Είναι η διαχείριση του έργου επαρκής και αποτελεσματική; / Has the project been efficiently and effectively managed? <i>Σημείωση: Επιλέξτε μεταξύ των παρακάτω προτεινόμενων πεδίων και προσθέστε σχόλια έκτασης 50 – 500 λέξεων. Note: Please choose among the following and add comments (50 – 500 words).</i></p>
<input type="checkbox"/> Ναι / Yes <input type="checkbox"/> Όχι / No <input type="checkbox"/> Μερικώς / Partially Σχόλια / Comments:
<p>D2. Συνάδει ο ρόλος και οι δραστηριότητες του/της Επιστημονικού/ής Υπεύθυνου/ης, των μελών της Ερευνητικής Ομάδας και των Συνεργαζόμενων Φορέων με τα αναφερόμενα στο ΤΔΕ; (εάν εφαρμόζεται) / Is the contribution of the Principal Investigator, each Research Team Member and each Collaborating Organization in line with the work mentioned in the DoW? (if applicable) <i>Σημείωση: Προσθέστε γενικά σχόλια αναφορικά με το υπό εξέταση έργο. Τα σχόλια πρέπει να έχουν έκταση μεταξύ 50 και 500 λέξεων. Το όριο δεν ισχύει αν η απάντηση είναι «δεν εφαρμόζεται». Note: Please add general comments corresponding to the under review project. The comments have to be between 50 and 500 words. Word limit is not required if the answer is “non applicable”.</i></p>
<input type="checkbox"/> Ναι / Yes <input type="checkbox"/> Όχι / No <input type="checkbox"/> Μερικώς / Partially <input type="checkbox"/> Δεν εφαρμόζεται / Non applicable Σχόλια / Comments:

D3. Έχουν διαχυθεί ή/και αξιοποιηθεί τα αποτελέσματα του έργου μέσω επιστημονικών δημοσιεύσεων ή/και ευρεσιτεχνιών, αντίστοιχα; Γίνεται αναφορά στη χρηματοδότηση από το ΕΛ.ΙΔ.Ε.Κ.; (εάν εφαρμόζεται) / Have the project results been disseminated and/or exploited in scientific publications and/or patents, respectively? Do they acknowledge H.F.R.I. for the funding? (if applicable)

Σημείωση: Προσθέστε γενικά σχόλια αναφορικά με το υπό εξέταση έργο. Τα σχόλια πρέπει να έχουν έκταση μεταξύ 50 και 500 λέξεων. Το όριο δεν ισχύει αν η απάντηση είναι «δεν εφαρμόζεται».

Note: Please add general comments corresponding to the under review project. The comments have to be between 50 and 500 words. Word limit is not required if the answer is “non applicable”.

Ναι / Yes

Όχι / No

Μερικώς / Partially

Δεν εφαρμόζεται / Non applicable

Σχόλια / Comments:

D4. Έχουν διαχυθεί τα αποτελέσματα του έργου σε εξειδικευμένο ή στο ευρύ κοινό μέσω άλλων δράσεων εκτός από επιστημονικές δημοσιεύσεις; Γίνεται αναφορά στη χρηματοδότηση από το ΕΛ.ΙΔ.Ε.Κ.; (εάν εφαρμόζεται) / Have the project results been communicated in scientific audience or in public by other means than scientific publications? Do they acknowledge H.F.R.I. for the funding? (if applicable)

Σημείωση: Προσθέστε γενικά σχόλια αναφορικά με το υπό εξέταση έργο. Τα σχόλια πρέπει να έχουν έκταση μεταξύ 50 και 500 λέξεων. Το όριο δεν ισχύει αν η απάντηση είναι «δεν εφαρμόζεται».

Note: Please add general comments corresponding to the under review project. The comments have to be between 50 and 500 words. Word limit is not required if the answer is “non applicable”.

Ναι / Yes

Όχι / No

Μερικώς / Partially

Δεν εφαρμόζεται / Non applicable

Σχόλια / Comments:

E. Απορρόφηση πόρων / Use of Resources

E1. Έχουν οι πόροι απορροφηθεί σύμφωνα με όσα αναφέρονται στο ΤΔΕ; Ήταν οι δαπάνες αναγκαίες για την υλοποίηση των στόχων του έργου; Υπάρχει επαρκής αιτιολόγηση για τυχόν προβλεπόμενες δαπάνες; / Were the resources used as described in the DoW? Were the costs necessary for the implementation of project objectives? Is there an adequate justification for the possible cost and cost categories deviations from the DoW?

Σημείωση: Προσθέστε γενικά σχόλια αναφορικά με το υπό εξέταση έργο. Τα σχόλια πρέπει να έχουν έκταση μεταξύ 50 και 500 λέξεων. Το όριο δεν ισχύει αν η απάντηση είναι «δεν εφαρμόζεται».

Note: Please add general comments corresponding to the under review project. The comments have to be between 50 and 500 words. Word limit is not required if the answer is “non applicable”.

Ναι / Yes

Όχι / No

Μερικώς / Partially

Δεν εφαρμόζεται / Non applicable

Σχόλια / Comments:

Παράρτημα / Annex**A1. Αξιολόγηση παραδοτέων / Expert opinion on deliverables**

Σημείωση: Επιλέξτε μεταξύ των προτεινόμενων χαρακτηρισμών και προσθέστε σχόλια έκτασης 50 – 500 λέξεων για κάθε ένα από τα παραδοτέα που αντιστοιχούν στην εξεταζόμενη περίοδο αναφοράς.

Note: Please choose among the different statuses and add comments (50 to 500 words) for each of the deliverables corresponding to the specific reporting period.

Αριθμός Παραδοτέου/ Deliverable Number	Τίτλος Παραδοτέου/ Deliverable Name	Χαρακτηρισμός / Status • Αποδεκτό / Accepted • Απαιτούνται διορθώσεις / Request for Revision • Απορρίπτεται / Rejected • Δεν υποβλήθηκε / Not Submitted	Σχόλια / Comments

A2. Αξιολόγηση οροσήμων / Expert opinion on milestones

Σημείωση: Επιλέξτε μεταξύ των προτεινόμενων χαρακτηρισμών και προσθέστε σχόλια έκτασης 50 – 500 λέξεων για κάθε ένα από τα παραδοτέα που αντιστοιχούν στην εξεταζόμενη περίοδο αναφοράς.

Note: Please choose among the different statuses and add comments (50 to 500 words) for each of the deliverables corresponding to the specific reporting period.

Αριθμός Οροσήμου/ Milestone Number	Τίτλος Οροσήμου/ Milestone Name	Επίτευξη/ Completion • Ναι / Yes • Όχι / No	Σχόλια / Comments

ANNEX IV. Scientific Areas, Scientific Fields and Subfields in H.F.R.I. Calls**SA1. Physical Sciences (SA.1 Physical Sciences)****1.1. Physical sciences**

- 1.1.1. Acoustics
- 1.1.2. Atomic physics
- 1.1.3. Molecular and chemical physics
- 1.1.4. Condensed matter physics
- 1.1.5. Nanosciences and nanotechnology
- 1.1.6. Fluids and plasma physics
- 1.1.7. Nuclear physics
- 1.1.8. Optics
- 1.1.9. Quantum optics
- 1.1.10. Laser Physics
- 1.1.11. Particles and field physics

1.2. Chemical sciences

- 1.2.1 Analytical chemistry
- 1.2.2 Applied and industrial chemistry
- 1.2.3 Colloid chemistry
- 1.2.4 Inorganic and nuclear chemistry
- 1.2.5 Organic chemistry
- 1.2.6 Physical chemistry
- 1.2.7 Electrochemistry
- 1.2.8 Molecular architecture
- 1.2.9 Chemical theory

1.3. Material sciences

- 1.3.1 Material synthesis
- 1.3.2 Structure-property relation
- 1.3.3 Functional and advanced materials
- 1.3.4 2D materials
- 1.3.5 Materials properties (e.g. thermal, electrical, mechanical)
- 1.3.6 Polymer science
- 1.3.7 Composite materials

1.4. Earth and related environmental sciences

- 1.4.1 Climatology
- 1.4.2 Geochemistry and geophysics
- 1.4.3 Geology
- 1.4.4 Hydrology
- 1.4.5 Atmospheric sciences
- 1.4.6 Mineralogy
- 1.4.7 Marine sciences
- 1.4.8 Paleontology
- 1.4.9 Physical geography
- 1.4.10 Water resources

1.5. Universe sciences

- 1.5.1 Astronomy
- 1.5.2 Astro-physics/chemistry/biology
- 1.5.3 Solar system
- 1.5.4 Stellar
- 1.5.5 Galactic and extragalactic astronomy
- 1.5.6 Planetary systems
- 1.5.7 Cosmology
- 1.5.8 Space science
- 1.5.9 Instrumentation

1.6. Other physical/natural sciences**SA.2 Engineering Sciences and Technology (SA.2 Engineering Sciences & Technology)****2.1 Civil, Surveying & Architectural engineering**

- 2.1.1 Civil engineering
- 2.1.2 Architecture engineering
- 2.1.3 Construction engineering
- 2.1.4 Municipal and structural engineering
- 2.1.5 Transport engineering
- 2.1.6 Structural engineering
- 2.1.7 Other

2.2 Electrical, electronic & communication engineering

- 2.2.1 Electrical and electronic engineering
- 2.2.2 Optical and systems engineering
- 2.2.3 Communication engineering and systems
- 2.2.4 Telecommunications
- 2.2.5 Computer hardware and architecture
- 2.2.6 Robotics and automatic control
- 2.2.7 Automation and control systems
- 2.2.8 Other

2.3 Mechanical engineering

- 2.3.1 Applied mechanics
- 2.3.2 Thermodynamics and thermal engineering
- 2.3.3 Fluid mechanics and turbomachinery
- 2.3.4 Aerospace engineering (aeronautics & astronautical engineering)
- 2.3.5 Manufacturing engineering and machine design
- 2.3.6 Automotive engineering
- 2.3.7 Naval engineering
- 2.3.8 Nuclear related engineering
- 2.3.9 Other

2.4 Environmental engineering & biotechnology

- 2.4.1 Environmental engineering
- 2.4.2 Ocean and coastal engineering
- 2.4.3 Other environmental engineering
- 2.4.4 Environmental biotechnology
- 2.4.5 Bioremediation
- 2.4.6 Bioprocessing technologies, biocatalysis
- 2.4.7 Bioproducts, biomaterials, biofuels etc.
- 2.4.8 Bio-derived novel materials
- 2.4.9 Other

2.5 Computer and telecommunications engineering

- 2.5.1 Information and intelligent systems engineering
- 2.5.2 Computer engineering
- 2.5.3 Computational methods in engineering
- 2.5.4 Other

2.6 Chemical and materials engineering

- 2.6.1 Chemical process engineering
- 2.6.2 Other chemical engineering
- 2.6.3 Petroleum engineering (fuels, oils)
- 2.6.4 Energy and fuels
- 2.6.5 Materials engineering
- 2.6.6 Mining and mineral processing
- 2.6.7 Nanotechnology
- 2.6.8 Catalysis
- 2.6.9 Energy production/processes (fuel cells, batteries, etc.)
- 2.6.10 Other

2.7 Medical engineering

- 2.7.1 Medical engineering
- 2.7.2 Medical laboratory technology
- 2.7.3 Biomedical engineering
- 2.7.4 Other

2.8 Other engineering sciences and technology (e.g. security)**SA.3 Life Sciences (Medicine and Health Sciences) (SA.3 Life Sciences [Medical & Health Sciences])****3.1 Molecular and Structural Biology, Biochemistry and Molecular biophysics**

- 3.1.1 Molecular synthesis, modification, mechanisms and interaction
- 3.1.2 Biochemistry
- 3.1.3 Molecular biophysics
- 3.1.4 Structural biology
- 3.1.5 Metabolism
- 3.1.6 Signalling pathways

3.2 Genetics, 'Omics', Bioinformatics and System Biology

- 3.2.1 Molecular and population genetics
- 3.2.2 Quantitative genetics
- 3.2.3 Genomics
- 3.2.4 Metagenomics
- 3.2.5 Transcriptomics
- 3.2.6 Proteomics
- 3.2.7 Metabolomics
- 3.2.8 Glycomics
- 3.2.9 Bioinformatics
- 3.2.10 Computational biology
- 3.2.11 Biostatistics
- 3.2.12 System biology
- 3.2.13 Genetic epidemiology
- 3.2.14 Epigenetics

3.3 Cellular and Developmental Biology

- 3.3.1 Cell biology
- 3.3.2 Cell physiology
- 3.3.3 Signal transduction
- 3.3.4 Organogenesis
- 3.3.5 Developmental genetics
- 3.3.6 Pattern formation in plants and animals
- 3.3.7 Stem cell biology

3.4 Physiology, Pathophysiology and Endocrinology

- 3.4.1 Organ physiology
- 3.4.2 Pathophysiology
- 3.4.3 Endocrinology
- 3.4.4 Metabolism
- 3.4.5 Ageing
- 3.4.6 Tumorigenesis
- 3.4.7 Cardiovascular disease
- 3.4.8 Metabolic syndrome

3.5 Neurosciences and Neural Disorders

- 3.5.1 Neural cell function and signalling
- 3.5.2 Neural bases of cognitive and behavioral processes
- 3.5.3 Neuroanatomy and neurophysiology
- 3.5.4 Neurochemistry and neuropharmacology
- 3.5.5 Neuroimaging
- 3.5.6 Systems neuroscience
- 3.5.7 Neurological and psychiatric disorders

3.6 Oncology and Cancer Research

- 3.6.1 Cancer biology
- 3.6.2 Cancer diagnosis research
- 3.6.3 Cancer treatment research

3.7 Immunity and Infection

- 3.7.1 The immune system and related disorders
- 3.7.2 Biology of infectious agents and infection
- 3.7.3 Biological bases of prevention and treatment of infectious diseases

3.8 Applied Medical Technologies, Diagnostics, Therapies and Public Health

- 3.8.1 Diagnostic tools
- 3.8.2 Diagnosis and treatment of disease
- 3.8.3 Epidemiology and public health
- 3.8.4 Pharmacology
- 3.8.5 Clinical medicine
- 3.8.6 Regenerative medicine
- 3.8.7 Medical ethics

3.9 Ecology, Evolution, Population and Environmental Biology

- 3.9.1 Evolutionary biology
- 3.9.2 Population, community and ecosystem ecology
- 3.9.3 Animal behavior
- 3.9.4 Biodiversity
- 3.9.5 Biogeography
- 3.9.6 Marine biology
- 3.9.7 Eco-toxicology
- 3.9.8 Microbial ecology

3.10 Applied Life Sciences, Biotechnology, and Molecular and Biosystems Engineering

- 3.10.1 Applied plant and animal sciences
- 3.10.2 Fishery
- 3.10.3 Forestry
- 3.10.4 Applied biotechnology
- 3.10.5 Environmental and marine biotechnology
- 3.10.6 Genetic engineering
- 3.10.7 Synthetic and chemical biology
- 3.10.8 Industrial biosciences
- 3.10.9 Applied bioengineering

3.11 Other Life Sciences

SA4. D. Agricultural Sciences – Food Science & Technology (SA.4) Agricultural Sciences – Food Science & Technology)

4.1 Agriculture, forestry, and fisheries

- 4.1.1 Agriculture
- 4.1.2 Forestry
- 4.1.3 Fishery
- 4.1.4 Soil science
- 4.1.5 Horticulture
- 4.1.6 Viticulture
- 4.1.7 Agronomy
- 4.1.8 Plant breeding

4.2 Animal and Veterinary science

- 4.2.1 Animal breeding
- 4.2.2 Animal nutrition
- 4.2.3 Animal physiology
- 4.2.4 Other animal and veterinary sciences

4.3 Agricultural biotechnology

- 4.3.1. Agricultural biotechnology
- 4.3.2. Food biotechnology
- 4.3.3. Molecular and Genomic plant breeding, marker assisted selection
- 4.3.4. Biomass feedstock production technologies
- 4.3.5. Agricultural biotechnology and food biotechnology related ethics

4.4 Food sciences and Technology

- 4.4.1. Dairy science and technology
- 4.4.2. Food chemistry
- 4.4.3. Food engineering
- 4.4.4. Food microbiology
- 4.4.5. Food packaging
- 4.4.6. Food processing
- 4.4.7. Food technology
- 4.4.8. Molecular gastronomy
- 4.4.9. New product development
- 4.4.10. Quality control

4.5 Other Agricultural sciences and Food sciences and Technology**SA5. Mathematics and Information Sciences (SA.5 Mathematics & Information Sciences)****5.1 Mathematics**

- 5.1.1 Logic and foundations
- 5.1.2 Algebra and number theory
- 5.1.3 Algebraic and complex geometry
- 5.1.4 Geometry and topology
- 5.1.5 Lie groups, Lie algebras
- 5.1.6 Analysis
- 5.1.7 Operator algebras and functional analysis
- 5.1.8 ODE, PDE, and dynamical systems
- 5.1.9 Mathematical physics
- 5.1.10 Probability and statistics
- 5.1.11 Discrete mathematics and combinatorics
- 5.1.12 Numerical analysis
- 5.1.13 Mathematical aspects of computer science
- 5.1.14 Scientific computing, computational science, and symbolic computation
- 5.1.15 Control theory, optimization, and mathematical finance
- 5.1.16 Application of mathematics in sciences, industry and society

5.2 Computer and information sciences

- 5.2.1 Computer architecture, pervasive computing, ubiquitous computing
- 5.2.2 Computer systems, parallel/distributed systems, sensor networks, embedded systems, cyber-physical systems
- 5.2.3 Software engineering, operating systems, computer languages
- 5.2.4 Theoretical computer science, complexity theory, formal methods, and quantum computing
- 5.2.5 Cryptology, security, privacy, quantum crypto
- 5.2.6 Algorithms, distributed, parallel and network algorithms, algorithmic game theory, computational geometry
- 5.2.7 Artificial intelligence, intelligent systems, multi agent systems
- 5.2.8 Computer graphics, computer vision, multimedia, computer games
- 5.2.9 Human computer interaction and interface, visualization, robotics
- 5.2.10 Web and information systems, database systems, information retrieval and digital libraries, data fusion
- 5.2.11 Machine learning, and data processing
- 5.2.12 Natural language processing and signal processing (e.g. speech, image, video)
- 5.2.13 Scientific computing, computational methods, simulation and modelling tools
- 5.2.14 Bioinformatics, computational biology, systems biology, biocomputing, and DNA and molecular computation

5.3 Other mathematics**5.4 Other Computer and information sciences****SA6. Social Sciences (SA.6 Social Sciences)****6.1 Anthropology, Ethnology**

- 6.1.1 Anthropology of Gender
- 6.1.2 Anthropology of Religion
- 6.1.3 Cultural Anthropology
- 6.1.4 Economic Anthropology
- 6.1.5 Medical Anthropology
- 6.1.6 Political Anthropology
- 6.1.7 Visual Anthropology

6.2 Economics and Business

- 6.2.1 Economics
- 6.2.2 Finance
- 6.2.3 Management/Marketing
- 6.2.4 (Applications of) Quantitative Methods to Economics and Business
- 6.2.5 (Economy of) Sustainable growth/economic alternatives (circular economy, social and solidarity economy)

6.3 Educational Sciences

- 6.3.1. Life long learning
- 6.3.2. New Technologies in Education
- 6.3.3. Non formal education/museum education
- 6.3.4. Politics of Education
- 6.3.5. Sociology of Education
- 6.3.6. Special Education
- 6.3.7. Teaching and Learning Art and Humanities
- 6.3.8. Teaching and Learning Natural Sciences

6.4 Law, Organization Theory, Public Administration

- 6.4.1. Civil Law
- 6.4.2. Commercial Law
- 6.4.3. Comparative Law
- 6.4.4. Constitutional Law
- 6.4.5. Criminal Law/Criminology
- 6.4.6. International Law
- 6.4.7. Philosophy/History of Law
- 6.4.8. Public Administration Law

6.5 Media and Communications

- 6.5.1. Computational Media Studies
- 6.5.2. Cultural Media Studies
- 6.5.3. Journalism
- 6.5.4. Semiotics
- 6.5.5. Visual Communication
- 6.5.6. Visual Semiotics

6.6 Political Science

- 6.6.1. Comparative Politics
- 6.6.2. Contentious Politics
- 6.6.3. Greek Politics
- 6.6.4. International Relations
- 6.6.5. Political Sociology
- 6.6.6. Political Theory

6.7 Psychology and Cognitive Sciences

- 6.7.1. Clinical/Counselling Psychology
- 6.7.2. Cognitive Psychology/Neurosciences
- 6.7.3. Critical Psychology
- 6.7.4. Cross-Cultural Psychology
- 6.7.5. Developmental Psychology
- 6.7.6. Educational/School Psychology
- 6.7.7. Health Psychology
- 6.7.8. Organizational/Occupational Psychology
- 6.7.9. Political Psychology
- 6.7.10. Social Psychology

6.8 Social and Economic Geography

- 6.8.1. Applied Economic Geography
- 6.8.2. Critical Geography
- 6.8.3. Cultural Geography
- 6.8.4. Theoretical Economic Geography
- 6.8.5. Urban Geography
- 6.8.6. Urban Sociology

6.9 Sociology

- 6.9.1. Applied Sociology
- 6.9.2. Community Informatics/social network
- 6.9.3. Critical Sociology
- 6.9.4. Cultural/Leisure Sociology
- 6.9.5. Demography
- 6.9.6. Educational Sociology
- 6.9.7. Ethnographic Sociology
- 6.9.8. Sociology of Work
- 6.9.9. Sociology of Youth
- 6.9.10. Visual/Cyber Sociology

SA7. Humanities and Arts (SA.7 Humanities & Arts)**7.1 History and archaeology**

- 7.1.1 Classical archaeology
- 7.1.2 Byzantine archaeology
- 7.1.3 Archaeometry
- 7.1.4 Prehistory and protohistory
- 7.1.5 Ancient history
- 7.1.6 Medieval history
- 7.1.7 Early modern history, modern and contemporary history
- 7.1.8 Colonial and post-colonial history, global and transnational history, entangled histories, history of international relations
- 7.1.9 Social history, Economic history
- 7.1.10 Oral history, Public history
- 7.1.11 Institutional history, Political history
- 7.1.12 Military history, War history
- 7.1.13 Gender history, History of ideas, intellectual history and history of sciences and techniques, Cultural history, history of collective identities and memories
- 7.1.14 Historiography, theory and methods of history
- 7.1.15 Other

7.2 Languages and literature

- 7.2.1 General Language Studies
- 7.2.2 Specific languages
- 7.2.3 General literature studies
- 7.2.4 Literary theory
- 7.2.5 Specific literatures
- 7.2.6 Linguistics

7.3 Philosophy, ethics and religion

- 7.3.1 Philosophy, History and philosophy of science and technology
- 7.3.2 Philosophy of mind, epistemology and logic
- 7.3.3 Ethics (except ethics related to specific subfields)
- 7.3.4 Theology
- 7.3.5 Religious studies

7.4 Arts (arts, history of arts, performing arts, music)

- 7.4.1 Arts, Art history
- 7.4.2 Architectural design
- 7.4.3 Performing arts studies (Musicology, Theater science, Dramaturgy)
- 7.4.4 Cultural studies
- 7.4.5 Studies on Film, Radio and Television

7.5 Other humanities**SA8. Environment and Energy (SA.8 Environment & Energy)****8.1 Climate change**

- 8.1.1. Observations and remote sensing
- 8.1.2. Modelling and projections
- 8.1.3. Impact studies
- 8.1.4. Adaptation and mitigation strategies

8.2 Ecology

- 8.2.1. Molecular ecology
- 8.2.2. Organismal ecology
- 8.2.3. Population ecology
- 8.2.4. Community ecology
- 8.2.5. Human ecology

8.3 Meteorology

- 8.3.1. Weather forecasting
- 8.3.2. Experimental meteorology
- 8.3.3. Hydrometeorology
- 8.3.4. Agricultural meteorology
- 8.3.5. Environmental meteorology

8.4 Oceanography

- 8.4.1. Chemical oceanography
- 8.4.2. Marine biology – Ichthyology
- 8.4.3. Coastal morphodynamics and marine geology
- 8.4.4. Physical oceanography

8.5 Energy resources

- 8.5.1. Fossil and nuclear energy
- 8.5.2. Energy grids
- 8.5.3. End use efficiency
- 8.5.4. Policies and economics

8.6 Renewable energy resources and systems

- 8.6.1. Bioenergy
- 8.6.2. Geothermal energy
- 8.6.3. Hydraulic energy
- 8.6.4. Solar energy
- 8.6.5. Wind energy
- 8.6.6. Hydrogen and fuel cells
- 8.6.7. Wave and tidal energy
- 8.6.8. Hybrid systems
- 8.6.9. Energy storage
- 8.6.10. Emerging technologies

8.7 Energy and the built environment

- 8.7.1. Sustainable building design
- 8.7.2. Sustainable urban living
- 8.7.3. Energy technologies for buildings
- 8.7.4. Smart and innovative materials
- 8.7.5. Smart buildings in smart cities

8.8 Sustainable mobility and logistics

- 8.8.1. Sustainable urban mobility
- 8.8.2. Freight transport and logistics

8.9 Circular economy

- 8.9.1. Bioeconomy
- 8.9.2. Sustainable industry and manufacturing systems
- 8.9.3. Waste and resource management
- 8.9.4. Water in the circular economy

SA9. Management & Economics of Innovation (SA.9 Management & Economics of Innovation)**9.1 Innovation Systems, Innovation Policy, Innovation Governance and Metrics****9.2 Innovation and Entrepreneurship****9.3 Innovation Strategy, Organization and Management at the Business, Industry and sectoral Level****9.4 ICT enabled Innovation, Digitisation and Industrial Renewal****9.5 Globalization of Innovation, global value chains, and catch-up processes****9.6 Innovation and Finance**