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

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Greece 2.0

NATIONAL RECOVERY AND RESILIENCE PLAN

"BASIC RESEARCH FINANCING"

(Horizontal support for all Sciences)

ID 16618 – Subproject 1 (MIS: 5163923)

Submission start date: Thursday 1st of September 2022, 12:00 (Greece time)

Submission end date: Wednesday 12th of October 2022, 17:00 (Greece time)

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The Director of the Hellenic Foundation for Research and Innovation, having regard to:

1. Law 4429/2016 (A' 199) on the "Hellenic Foundation for Research and Innovation and other provisions", as in force, and especially articles 2 par. 1, 5 par. 2 to 9, 8 par. 9 and 10 and 9 par. 7 thereof;
2. Decision No. 195245/15.11.2018 issued by the Ministers of Education, Research and Religious Affairs, as well as Finance and Administrative Reconstruction on the "Internal Rules of Operation of the Hellenic Foundation for Research and Innovation (H.F.R.I.)" (OGG B' 5252), as in force (OGG B' 3369),
3. Decision No. 63434/21.06.2022 issued by the Deputy Minister of Development and Investments approving the annual planning of actions and resource allocation of the Hellenic Foundation for Research and Innovation (H.F.R.I.) for 2022,
4. Decision No. 38750/21.04.2022 issued by the Deputy Minister for Development and Investments, whereby Dr. Aikaterini Kouravelou was appointed Director of the H.F.R.I. (Issue for Specially Positioned Employees and Administrative Bodies of Public or Broader Public Sector Entities No. 335),
5. Law 4738/2020 (A' 207) and specifically Chapter E' establishing the appropriate organisational framework for the effective utilisation of the resources of the European Recovery Mechanism "Next Generation EU" and the Recovery and Resilience Facility that is integrated to it,
6. the Regulation (EU) No. 241/2021 of the European Parliament and of the Council of 12 February 2021 establishing the Recovery and Resilience Facility,
7. the Regulation (EU, Euratom) 2018/1046 of the European Parliament and of the Council of 18 July 2018 on the financial rules that are applicable to the general budget of the Union, amending regulations (EU) No. 1296/2013, (EU) No. 1301/2013, (EU) No. 1303/2013, (EU) No. 1304/2013, (EU) No. 1309/2013, (EU) No. 1316/2013, (EU) No. 223/2014, (EU) No. 283/2014 and Decision No. 541/2014/EU and repealing Regulation (EU, Euratom) No. 966/2012 (L 193/1),
8. the European Commission Proposal No. 2021/0159/17.06.2021 for the Council Implementing Decision on the approval of the assessment of the recovery and resilience plan for Greece (henceforth "R.R.P."),
9. the EU Council implementing decision of 13 July 2021 on the approval of the R.R.P.'s assessment for Greece (ST 10152/21, ST 10152/21 ADD 1), and specifically the suggested investment titled "Promotion of basic and applied research" (measure ID 16618),
10. Law 4822/2021 on the "Ratification of the Financing Agreement between the European Commission and the Hellenic Republic, the Loan Agreement between the European Commission and the Hellenic Republic and their Annexes and other provisions for the Recovery and Resilience Facility" (OGG A' 135),
11. Law 4820/2021 "Institutional Law of the Hellenic Court of Audit and other provisions" (OGG A' 130) and specifically articles 189 to 204 thereof,
12. articles 270 to 281 of Law 4738/2020 on "Debt settlement and promotion of a second chance and other provisions" (OGG A' 207) and specifically article 271 establishing the independent Recovery and Resilience Facility Agency (henceforth "RRFA"),
13. the joint Decision No. ΓΔΟΥ 257/06.11.2020 of the Prime Minister and the Minister of Finance on the "Appointment of the Governor of the Recovery and Resilience Facility

Agency" (Issue for Specially Positioned Employees and Administrative Bodies of Public or Broader Public Sector Entities No. 931),

14. Law 4310/2014 (OGG A' 258) on "Research, technological development and innovation and other provisions", as in force;
15. Law 4485/2017 on the "Organization and operation of higher education, regulations on research and other provisions" (OGG A' 114), as in force;
16. Law 4957/2022 on "New horizons in higher education institutions: Strengthening the quality, functionality and connection of Greek universities with society and other provisions" (A΄ 141),
17. Law 3187/2003 on "Higher Military Educational Institutions (ASEI)" (A' 233), as in force;
18. the Commission Notice on the notion of State aid as referred to in Article 107(1) of the Treaty on the Functioning of the European Union (2016/C 262/01),
19. the Commission Communication No. 2014/C 198/01 on the "Framework for State aid for research and development and innovation",
20. article 42 of Law 4772/2021 on "Conducting general censuses for the year 2021 by the Hellenic Statistical Authority, urgent regulations to deal with the effects of the COVID-19 coronavirus pandemic, urgent financial and tax regulations and other provisions" (OGG A' 17) regarding the integration and financing process from the Public Investments Programme for projects and programmes financed by the Recovery and Resilience Facility of the European Union,
21. Circular No.17642/10.02.2021 for the approval and financing of the Public Investments Programme 2021 and the expense planning for the Public Investments Programme 2022-2024 of the General Secretariat for Public Investments & the NSRF, as amended and in force, and specifically paragraph 5.14, "Inclusion of projects expected to be financed by the Recovery and Resilience Facility" thereof,
22. Joint Decision No. 35259/24.03.2021 of the Minister of Finance and the Minister of Development and Investments on the "Establishment and Operation of an Account for the national funding of projects implemented in the context of the European Union Recovery and Resilience Facility" (OGG B' 1197),
23. the document No. 67335 ΕΞ 2021/08.06.2021 of the Recovery and Resilience Facility Agency of the Ministry of Finance on the subject: "Greece 2.0" Project Monitoring Method,
24. Decision No.119126/28.09.2021 of the Alternate Minister of Finance on the "Management and Control System for the Actions and Projects of the Recovery and Resilience Facility" (OGG B' 4498), as in force,
25. Decision No. 119138/28.09.2021 of the Alternate Minister of Finance on the "Completion and clarification of the competences of the Recovery and Resilience Facility Agency of the Ministry of Finance" (OGG B' 4499),
26. the approved Procedures Guidelines of the Recovery and Resilience Facility
27. the approved Complaint Management Guidelines of the National Transparency Authority (NTA/AFCOS)
28. the Decision No. 140075/22.12.2021 (Correction of 09.06.2022) of the Deputy Minister of Development and Investments "Qualifying the Hellenic Foundation for Research and Innovation (H.F.R.I.) as the Implementation and Operation Agency for the Actions and Projects of the Recovery and Resilience Facility, under the responsibility of the Ministry of Development and Investments" (ΙΥΝ: 9ΩΩΒ46ΜΤΛΡ-ΦΦΗ),
29. the opinion (ΓΝ 789/2022) under Ref. No. 47436/09.05.2022 of the Special State Aid Service (EYKE) for the Call Draft regarding the Action with ID 16618 - Subproject 1 within

the context of the Recovery and Resilience Facility (Greece 2.0 Programme) in response to the relevant e-mail dated 03.05.2022 from the H.F.R.I.,

30. the opinion (ΓΝ 89/2022) under Ref. No. 73592 ΕΞ/27.05.2022 of the Central State Aid Unit (KEMKE) regarding the Call for the Action with ID 16618 - Subproject 1 within the context of the Recovery and Resilience Facility (Greece 2.0 Programme) in response to the relevant e-mail dated 26.05.2022 from the H.F.R.I.,
31. the Decision under Ref. No. 50885/22.06.2022 of the 127th Meeting of H.F.R.I.'s S.C. on the Call for Action titled "Basic Research Financing (Horizontal Support for all Sciences)",
32. the Decision No. 105792 ΕΞ/22.07.2022 regarding the inclusion of the project titled "Subproject 1. Basic Research Financing (Horizontal Support for all Sciences)" (IUN: 9ΦΝΘΗ-Ω0Ξ),
33. the approval No. 118946ΕΞ2022/ΥΟΙΚ/22.08.2022 of the invitation titled "Basic Research Financing" (Horizontal support for all Sciences) of the Action regarding the "Promotion of basic and applied research" with ID 16618 for the project: "Subproject 1. Basic Research Financing (Horizontal Support for all Sciences)" [Integrated Information System (IIS) Code 5163923 for the Recovery and Resilience Facility) of the Recovery and Resilience Facility Agency (RRFA)].

CALLS

interested potential beneficiaries to submit proposals under the Call titled "Basic Research Financing (Horizontal support for all Sciences)", financed by resources of the Recovery and Resilience Facility under the Action "Promotion of basic and applied research" with code 16618 (MIS: 5163923) and H.F.R.I. as Implementing Agency, according to the terms and conditions presented below.

1. IN GENERAL

The Action "Basic Research Financing (Horizontal support for all Sciences)" (ID 16618 – Subproject 1) (hereinafter "the Action") is included in the projects of component 4.5 "Promote Research and Innovation" within the framework of the National Recovery and Resilience Plan "Greece 2.0" funded by the European Union - Next Generation EU and aims to contribute to the achievement of the general goals set by the National Recovery and Resilience Plan "Greece 2.0" (hereinafter "Greece 2.0").

The Recovery and Resilience Facility (RRF) mechanism constitutes the central core of the Recovery Instrument NextGenerationEU, a tool that aims to deal with the financial and social consequences of the pandemic. It is an innovative mechanism that comes to strengthen the existing European support scheme by directly providing resources to EU member states for financing a combination of sustainable reforms and relevant public investments, in order to deal with the social and financial consequences caused by the COVID-19 pandemic and to strengthen their resilience against future crises.

"Greece 2.0" aims to lead Greece – its economy, society and institutions – to a new era, to spark a fundamental change in the financial example towards a more extroverted, competitive and eco-friendly production model, with a more effective and digitalised state, less bureaucracy, with a drastically reduced informal economy, a tax system that favours development and a qualitative and effective social protection network that will be accessible to everyone.

"Greece 2.0" was approved on July 13, 2021 by the EU's Economic and Financial Affairs Council (Ecofin). It includes 106 investments and 68 reforms, which are divided into 4 pillars: (1) Green transition, (2) Digital transformation, (3) Employment, skills and social cohesion (health, education, social protection), (4) Private investments as well as financial and institutional transformation.

The Financing Agreement as well as the Loan Agreement and its Annexes were ratified by Law 4822/2021 (OGG A' 135).

This specific Action ("Basic Research Financing" [Horizontal support for all Sciences])" is integrated into the 4th pillar of the National Recovery and Resilience Plan.

The Recovery and Resilience Facility Agency (RRFA) of the Ministry of Finance is responsible for coordinating the preparation of the National Recovery Plan, as well as for monitoring and coordinating the implementation of programmes and projects that will be financed with resources from the Recovery and Resilience Facility, which will be provided to Greece (Law 4738/2021 No. 271).

Information regarding the Recovery and Resilience Facility is available on the website of the National Recovery and Resilience Plan https://greece20.gov.gr/.

Information regarding the Action is available on H.F.R.I.'s website www.elidek.gr, which has been qualified as Agency for the Implementation of the Action.

2. OBJECTIVE AND GENERAL INFORMATION OF THE ACTION

Component 4.5 "Promote Research and Innovation", which includes the present Action, aims to increase public and private investments for research and development (R&D), strengthen connections between science and businesses and develop innovative infrastructures for R&D. This will be achieved through a series of projects, as well as reforms, aiming to motivate innovative businesses to invest in the R&D sector. This specific Component will contribute to the strengthening of the connections between the academia and the production sectors, increasing the competitiveness of the Greek industry. Furthermore, it will increase the utilisation of copyrights, revert the "brain drain" phenomenon, strengthen the Greek innovation ecosystem of start-ups and motivate R&D expenses by businesses.

The objective of this Action is to fund original research projects of high scientific quality and excellence under the following two distinct Sub-actions:

Sub-action 1: Funding New Researchers

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Sub-action 1 aims to finance projects with Principal Investigators (PI) who are newly appointed or are currently undergoing an appointment procedure for a non-permanent position (on a term basis) offered to Faculty Members, Researchers and Staff Research Scientists (ELE) in an Academic or Research Institution in Greece. Through this Sub-action, the beneficiaries shall have the opportunity to fund and implement their research ideas in all sciences, without any thematic or geographical restrictions, including in their team, for example, PhD candidates and/or postdoctoral researchers.

Sub-action 2: Funding Projects in Leading-Edge Sectors

Sub-action 2 aims to finance basic research projects, with an emphasis on interdisciplinarity, in leading-edge sectors falling within five (5) Thematic Areas. It is also possible to finance projects that will be implemented by more than one laboratory or research groups of the same or different beneficiary institutions in Greece.

Host Institutions (HI) of the Research Projects may be Higher Educational Institutions, Research Centres - Institutes (RC-I), University Research Institutes (U.R.I.), University Research Centres (U.R.C.), Higher Military Educational Institutions in Greece, as well as the Hellenic Foundation for European & Foreign Policy (ELIAMEP).

The research projects to be funded will be selected through an evaluation process. The research Proposals will be assessed by Evaluation Committees (EC), which will consist of renowned scientists, specialised in the Scientific/Thematic Areas (SA/TA) of the research covered by the Call, as well as of independent experts, if deemed necessary, and in line with the provisions of article 5 par. 6 of Law 4429/2016, as amended and in force. The whole process is governed by strict rules of confidentiality, which are binding for all participating parties.

The following terms and conditions of the Call concern the Action in total, unless it is explicitly defined that they concern a specific Sub-action.

3. SCIENTIFIC AND THEMATIC AREAS

Sub-action 1

Each Proposal under Sub-action 1 may be submitted in one (1) scientific field/sub-field of one (1) of the following broad Scientific Areas (SA):

SA.1. Physical Sciences

SA.2. Engineering Sciences and Technology

SA.3. Life Sciences

SA.4. Agricultural Sciences – Food Science & Technology

SA.5. Mathematics & Information Sciences

SA.6. Social Sciences

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SA.7. Humanities & Arts

SA.8. Environment & Energy

SA.9. Management & Economics of Innovation

Annex I lists the individual scientific fields and sub-fields of Scientific Areas in which it is possible to submit a Proposal in the context of Sub-action 1.

Sub-action 2

Each Proposal under Sub-action 2 may be submitted in one (1) of the following Thematic Areas (TA):

TA1. Physical Sciences, Engineering Sciences & Technology, Environment & Energy

TA2. Life Sciences

TA3. Agricultural Sciences – Food Science & Technology

TA4. Mathematics & Information Sciences

TA5. Social Sciences, Humanities & Arts, Management & Economics of Innovation

Annex II lists the individual scientific fields of Thematic Areas in which it is possible to submit a Proposal in the context of Sub-action 2.

4. TOTAL ACTION BUDGET AND PROJECT FUNDING LIMITS PER SUB-ACTION

The total budget of this Action amounts to **58,226,253.03€** and is allocated to the above mentioned two Sub-actions as follows: the budget of Sub-action 1 amounts to **14,477,475.03€** and of Sub-action 2 amounts to **43,748,778.00€**.

It is possible to transfer unclaimed amounts between the two Sub-actions, in order to achieve maximum use of the total Action budget.

The maximum funding limit for each research project is determined according to the Sub-action and the Scientific/Thematic Area to which it is submitted.

Tables 1 and 2 below summarize the maximum funding limits in Sub-action 1 and 2, respectively, per Scientific/Thematic Area and project.

Table 1**. Maximum funding limits under **Sub-action 1

Scientific Area	Project maximum funding limit	Available budget
SA.1 Physical Sciences	200,000.00 €	2,123,431.00 €
SA.2 Engineering Sciences & Technology	190,000.00 €	3,418,134.00 €

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SA.3 Life Sciences	207,000.00 €	2,441,946.00 €
SA.4 Agricultural Sciences – Food Science & Technology	170,000.00 €	1,353,687.03 €
SA.5 Mathematics & Information Sciences	170,000.00 €	1,128,073.00 €
SA.6 Social Sciences	140,000.00 €	1,761,662.00 €
SA.7 Humanities & Arts	170,000.00 €	979,924.00 €
SA.8 Environment & Energy	165,000.00 €	924,577.00 €
SA.9 Management & Economics of Innovation	160,000.00 €	346,041.00 €
	Total	**14,477,475.03 €**

Table 2**. Maximum funding limits under **Sub-action 2

Thematic area	Scientific field	Maximum funding limit per project	Available budget
TA1. Physical Sciences, Engineering Sciences & Technology, Environment & Energy	-	400,000.00 €	15,087,667.00 €
TA2. Life Sciences	-	400,000.00 €	9,767,783.00 €
TA3. Agricultural Sciences – Food Science & Technology	-	170,000.00 €	3,158,604.00 €
TA4. Mathematics & Information Sciences	-	170,000.00 €	3,384,218.00 €
TA5. Social Sciences, Humanities & Arts, Management & Economics of Innovation	5.1	140,000.00 €	2,947,714.00 €
	5.2	140,000.00 €	1,379,714.00 €
	5.3	300,000.00 €	5,271,882.00 €
	5.4	160,000.00 €	987,714.00 €
	5.5	300,000.00 €	1,763,482.00 €
		Total	**43,748,778.00 €**

5. PROJECT DURATION

- The duration of the proposed research Projects under both Sub-actions may vary from **18 to 24** months.

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- The start date for the implementation of research Projects is determined by the corresponding Host Institutions and cannot exceed 45 calendar days from the date their management was accepted by these Institutions and the projects were included in their budget.
- Expenses for each Research Project may be incurred from its start date.
- The projects funded under this Action must be completed by 30/06/2025.

6. PREVENTION OF DOUBLE FUNDING

A necessary condition for a project to be funded is that it shall not have received or be receiving funding by any means from any other institution for its full scope or part thereof. Synergies with other research projects shall only be permitted on the basis of complementarity and given that there is a clearly defined and separate role with regard to the scope of the respective projects, in order to fully ensure the prevention of double funding.

7. ENSURING RESEARCH INTEGRITY

In all stages of the evaluation process pertaining to the research proposal as well as during the funding and implementation of the Project, PIs and RT members should behave in line with rules of ethics and deontology and with respect for the scientific truth, the academic freedom, the human dignity, the environment, as well as the intellectual and industrial property. Any case of unethical scientific conduct shall be examined and may lead to exclusion from the evaluation process or to the revocation of the Funding Award Decision. In particular, the appropriation, falsification, plagiarism and misleading presentation of third-party scientific data and achievements is prohibited.

8. PUBLIC FUNDING OF NON-FINANCIAL ACTIVITIES OF RESEARCH ORGANISATIONS

Public funding from "Greece 2.0" in the context of this Action does not constitute state aid and amounts to a percentage of 100% when the projects' HIs are "Research Organisations" and carry out activities of a non-financial nature as specifically mentioned below:

According to the definition of Article 1.3 of the Communication of the European Commission titled "Framework on state aid for research and development and innovation" (2014/C 198/01), point (ee), a "research and knowledge dissemination organisation" or "research organisation" is an entity (such as universities or research institutes, technology transfer agencies, innovation intermediaries, research-oriented physical or virtual collaborative entities) irrespective of its legal status (organised under public or private law) or way of financing, whose primary goal is to independently conduct fundamental research, industrial research or experimental development, or to widely disseminate the results of such activities by way of teaching, publication or knowledge transfer.

Additionally, according to article 2.1.1 point 19 of the above Communication of the European Commission, a Research Organisation carries out activities of a non-economic character under the following conditions:

Its main activities are one or more of the following:

- education for more and better skilled human resources,
- independent R&D for more knowledge and better understanding,
- wide dissemination of research results on a non-exclusive and non-discriminatory basis, for example through teaching, open-access databases, open publications or open software.

and/or

knowledge transfer activities, where they are conducted either by the research organisation or research infra-structure (including their departments or subsidiaries) or jointly with, or on behalf of other such entities, and where all profits from those activities are reinvested in the primary activities of the research organisation or research infrastructure. The non-economic nature of those activities is not prejudiced by contracting the provision of corresponding services to third parties by way of open tenders.

Furthermore, where a research organisation is used for both economic and non-economic activities, public funding falls under State aid rules only insofar as it covers costs linked to the economic activi-ties. In this case, in order for the public funding of non-economic activities not to be considered state aid, both types of activities as well as the expenses, the funding and their revenues from the provision of services or the sale of goods must be clearly separated and monitored by an accountant, so that the subsidisation of the economic activity can be avoided, i.e. covered by the subsidisation of the non-financial activity (cross-subsidisation).

Finally, where the research organisation is used almost exclusively for a non-economic activity, its funding may fall outside State aid rules in its entirety, provided that the economic use remains purely ancillary, that is to say corresponds to an activity which is directly related to and necessary for the operation of the research organisation or research infrastructure or intrinsically linked to its main non-economic use, and which is limited in scope. For the purposes of this framework, the Commission will consider this to be the case where the economic activities consume exactly the same inputs (such as material, equipment, labour and fixed capital) as the non-economic activities and the capacity allocated each year to such economic activi-ties does not exceed 20% of the relevant entity's overall annual capacity (point 20 of the Communication of the European Commission, 2014/C 198/01).

9. CONDITIONS OF PARTICIPATION

The terms and conditions of participation in this Call are as follows:

9.1. Principal investigator (PI)

Sub-action 1

Each proposal is submitted by one (1) Principal Investigator (PI), who is either a term Faculty Member (pursuant to par. 2 of article 16 of Law 4009/2011) or a term Researcher or Staff Research Scientist (ELE) pursuant to article 18 of Law 4310/2014), provided that on the Proposal submission start date, no more than three (3) years have elapsed since the date of assuming duties.

Sub-action 2

Each proposal is submitted by one (1) Principal Investigator (PI), who is either a Faculty Member (article 140 par. 1 of Law 4957/2022) of a Higher Educational Institution (AEI) or Higher Military Educational Institution (ASEI) of Greece, or a Researcher or a Staff Research Scientist (ELE) of a Research Centre - Institute (RC-I, article 18 of Law 4310/2014), or of a University Research Institute (URI) in Greece.

Eligible to participate as PIs in both (2) Actions are also those who have been elected in the respective position until the proposal's submission date, regardless of whether they have assumed their duties or not. In that case, by submitting the proposal, they are required to submit the minutes or the decision of their election and then they must present the act of assumption of duties or a relevant act/contract etc., in order for the Funding Award Decision to be issued. Failure to meet this condition will result in the proposal being incomplete and therefore ineligible for funding.

Faculty members who carry out a research project in an RC-I or in a URI as collaborating research staff can designate the RC-I or URI as a HI with which they collaborate.

The PI may submit only one (1) Proposal under the Action.

The PI may participate as a RT member in one (1) more Proposal under the Action.

Failure to meet the above conditions will result in the Proposals being rejected as ineligible.

9.2. Composition of the Research Team (RT)

Academic and Research staff of the HI and/or Collaborating Organisations (CO), postdoctoral researchers, PhD candidates, postgraduate students, other staff working for the HI or the CO-Beneficiaries (where applicable) under a public law employment contract or an open-term private law employment contract (e.g. Special Educational Staff, Lab Teaching Staff, Technical Scientists, specialized scientific associates, technicians, auxiliary staff etc.) or other temporary staff who shall be contracted with the HI and/or the CO-Beneficiaries (where applicable) exclusively for project implementation purposes may participate in the **Research Team (RT)**, apart from the PI.

Professors Emeriti or retired professors and Researchers may participate in this Call only as members of the Research Team.

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Each RT member (except for the PI) may participate (as a member) in two proposals maximum under the action.

There is no limitation regarding the maximum number of members that constitute the Research Team of a proposal.

It is not necessary to name all RT members when submitting the Proposal. If the RT member has not been named for a position, the required qualifications for the position should be defined when submitting the Proposal. These positions shall be filled based on these qualifications and following a call for the expression of interest issued by the HI and/or the CO-Beneficiaries (where applicable), in line with provisions of Law 4957/2022 and the rest of the relevant legislation.

Academic and Research staff employed in Academic and Research foreign Institutions under any employment relationship may only participate in the RT as non-remunerated staff.

9.3. Host Institution (HI) – Beneficiary of funding

In the context **of both (2) Sub-actions**, the following are designated as Host Institutions for Research Projects:

- Higher Educational Institutions (AEI) of Greece as specified under article 3 of Law 4957/2022 (OGG A' 141), as in force.
- Research Centres – Institutes (RC-I) of article 13a of Law 4310/2014 (OGG A' 258), as in force.
- University Research Institutes (URI), i.e. private law legal persons established by virtue of the provisions of Laws 2083/1992 (OGG A' 159) and 3685/2008 (OGG A' 148).
- Higher Military Educational Institutions (ASEI) of Law 3187/2003 (OGG A' 233).
- The Hellenic Foundation for European & Foreign Policy (ELIAMEP).

Under Sub-action 2, the aforementioned Institutions will also act as Coordinating Institutions in the case of Collaborative Projects.

When submitting the Proposal, the PI must declare the details of the HI.

All potential HIs shall be available for selection on the online submission platform, in the form of a drop-down menu allowing only one selection.

In case of funding, the PI must submit a Project acceptance certificate by the HI (Letter of Commitment).

Failure to submit the Project acceptance certificate by the HI renders the Proposal non-eligible for funding.

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9.4. Collaborating Organisations (COs)

For the implementation of the research Projects **of both Sub-actions**, it is possible to collaborate with educational and research institutes, as well as public or private institutions of any kind, domestic or foreign. The collaboration with these institutions concerns the support/assistance to the project's implementation and, depending on the Scientific/Thematic area and the specific elements of the research Project, it can concern (for example) the conduction of experiments, access to files, collections and libraries, training on using the equipment etc. and requires (in order to be evaluated) a **letter of intent** from the Collaborating Organisation. In the letter of intent to collaborate, the legal representative of the CO confirms their intention to collaborate with the PI in the context of the proposed research project and adequately describes the type of collaboration, i.e. the staff involved, the equipment, the infrastructures or the specific resources to be used, as well as the estimated duration of the collaboration.

In the Collaborative projects of Sub-action 2, the CO is entitled to receive a stand-alone part of the total budget, if it belongs to the institutions mentioned in Section 9.3 and fulfils the conditions of Section 8 hereof.

According to par. 28 of the RDI framework, Where collaboration projects are carried out jointly by undertakings and research organisations or research infrastructures, the Commission considers that no indirect State aid is awarded to the participating undertakings through those entities due to favourable conditions of the collaboration if one of the following conditions is fulfilled:(a) the participating undertakings bear the full cost of the project, or(b) the results of the collaboration which do not give rise to IPR may be widely disseminated and any IPR resulting from the activities of research organisations or research infrastructures are fully allocated to those entities, or(c) any IPR resulting from the project, as well as related access rights are allocated to the different collabora-tion partners in a manner which adequately reflects their work packages, contributions and respective inter-ests, or (d) the research organisations or research infrastructures receive compensation equivalent to the market price for the IPR which result from their activities and are assigned to the participating undertakings, or to which participating undertakings are allocated access rights. The absolute amount of the value of any contribution, both financial and non-financial, of the participating undertakings to the costs of the research organisations or research infrastructures' activities that resulted in the IPR concerned, may be deducted from that compensation.

For the purpose of point (d), the Commission will consider that the compensation received is equiva-lent to the market price if it enables the research organisations or research infrastructures concerned to enjoy the full economic benefit of those rights, where one of the conditions described in point 29 of the RDI Framework is fulfilled.

The PI must document in the Proposal the selection of the specific CO based on objective evidence, such as (indicatively) the existence of high-level expertise in methods related to the implementation of the proposed research project, the existence and extensive experience in the use of special research equipment or other resources (libraries, archives, collections, etc.), the

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international acceptance and recognition of the Organisation, as documented by the achievements of the scientific staff with whom the collaboration will take place.

10. BUDGET AND CATEGORIES OF ELIGIBLE COSTS

The budget of the research Projects **and the two Sub-Actions** is analysed into the following direct and indirect costs.

In order to be considered eligible, each cost should fall under the terms described in the present Section and be provisioned in the Proposal. The incurrence of the eligible costs for each funded Proposal starts from the start date of the Project.

The research project budget per cost category and the percentage restrictions per cost are presented in Table 3 below:

***Table 3**. Financing rates per cost category*

Cost categories	Percentage restrictions
DIRECT COSTS	
Personnel costs (PI and Research Team)	≥ 50% of the total budget
Costs for consumables	-
Travel allowances and dissemination costs	-
Equipment depreciation costs	-
Costs for third party services	≤ 10% of the total budget
Other costs	-
INDIRECT COSTS	**≤15%** of personnel costs

10.1. Direct costs

The direct costs of the research Project include the fees of the PI and RT members, the costs for consumables, dissemination and mobility, depreciation of equipment, as well as costs for third party services and other costs.

10.1.1. Personnel remuneration costs

This category includes remunerations for the PI and the Research Team (RT) members.

Remuneration for the Principal Investigator

The PI's remuneration may not exceed the amount of €1,000.00 per month and is subject to the maximum limit of earnings and additional fees provisioned in article 2 of Law 3833/2010

combined with the provisions of Laws 4354/2015 (articles 13 and 28) and 4472/2017 (articles 130-135 and 156).

Research Team members' remuneration

The remunerated RT members may be Faculty Members and Researchers, Postdoctoral Researchers, PhD Candidates, Postgraduate Students as well as other scientific, technical or auxiliary staff.

The total monthly remuneration for Research Team members shall be arranged as follows:

α. The salary of **Faculty Members, Researchers and Staff Research Scientists** that are part of the RT may not exceed the amount of €1,000.00 per month and is subject to the maximum limit of earnings and additional fees provisioned in Article 2 of Law 3833/2010 combined with the provisions of Laws 4354/2015 (articles 13 and 28) and 4472/2017 (articles 130-135 and 156).

β. For **Postdoctoral Researchers (PR)** participating in the project, gross monthly remuneration is calculated as follows:

1. In case of a fixed-term private law employment contract, gross monthly remuneration is configured according to the provisions of Chapter B of Law 4354/2015, as in force and is to a minimum equal to the thresholds set in article 18 par. 12 indent a) of Law 4310/2014.

2. In case of a project lease contract, monthly earnings can amount to up to €2,000.00 (including all contributions), plus VAT and must be to a minimum equal to the lowest thresholds set in article 18 par. 12 indent a) of Law 4310/2014.

γ. For **PhD Candidates, Postgraduate Students and other scientific, technical and auxiliary staff of the RT**, gross monthly earnings are calculated as follows:

1. In case of a fixed-term private law employment contract, gross monthly remuneration is configured according to the provisions of Chapter B of Law 4354/2015, as in force.

2. In case of a project lease contract, monthly remuneration may amount to €1,500.00 (including all contributions) plus VAT.

RT members who belong to the staff of the HI and/or the CO- Beneficiaries in the case of Sub-action 2 (holding a public law or an open-term private law employment contract) can receive extra fees up to 500.00 € monthly for providing additional work, beyond their working schedule, in accordance with the legislation in force.

In case the Project is funded, remunerated RT members cannot receive salaries from another H.F.R.I. action for full-time employment status and for the duration of their remunerated employment in the Project funded under this action.

Table 4 below summarizes the above terms and payment limits.

Table 4. *RT members remuneration*

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Remunerated RT member categories	Determination of monthly salary
1. Faculty Members, Researchers and Staff Research Scientists	The salary of Faculty Members and Researchers may not exceed the amount of €1,000.00 per month and is subject to the maximum limit of earnings and additional fees provisioned in Article 2 of Law 3833/2010 combined with the provisions of Laws 4354/2015 (articles 13 and 28) and 4472/2017 (articles 130-135 and 156).
2. Postdoctoral Researcher	Gross monthly earnings: a) Fixed-term private law employment contract: in line with the provisions of Chapter B of Law 4354/2015, as in force and to a minimum equal to the thresholds set in article 18 par. 12 indent a) of Law 4310/2014. b) Project lease contract: up to €2,000.00 plus VAT per month and to a minimum equal to the lower thresholds set in article 18 par. 12 indent a) of Law 4310/2014.
3. Scientific staff (PhD Candidates, Postgraduate Students), Technical and Auxiliary staff	Gross monthly earnings: a) Fixed-term private law employment contract: in line with the provisions of Chapter B of Law 4354/2015, as in force. b) Project lease contract: up to €1,500.00 plus VAT per month.
4. Staff that works in the HI, in a CO-Beneficiary or other Institution of the public sector (art. 14 par. 1 point a of Law 4270/2014) under a public law employment contract or an open-term private law employment contract.	Extra remuneration for additional work up to €500 per month, according to the relevant legislation in force.

The above are gross amounts, upon which all legal deductions and employee contributions are calculated, as in force and per case. In order to calculate the total amount of staff remuneration charged to the project, legal employer's contributions are added to the above amounts and constitute eligible project costs. Regarding project lease contracts, if provided for under law, Value Added Tax (VAT) shall be also added to above amounts, which is an eligible project cost.

The salary of Research Team members working abroad under any employment contract is not an eligible cost.

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All non-remunerated Research Team members may receive travel allowances for the project's needs (e.g. commuting costs, overnight lodging and daily allowance) for transit which took place in the context of project implementation.

The remuneration costs for the PI and the other members of the Research Team should amount to at least 50% of the Project's total budget.

10.1.2. Costs for consumables

Costs for consumables are eligible when pertaining exclusively to the implementation of the project and are recorded separately in the Proposal. Indicatively, they involve the purchase of direct consumption materials (e.g. lab consumables, reagents, etc.) that are necessary for the implementation of the project. This category does not include general office supply costs, such as paper, stationery, PC consumables, etc., as these are commonly included in the overhead and may be eligible only when the project particularities require an unusual amount of relevant costs for its implementation. In this case, special and sufficient documentation is required in the project budget.

10.1.3. Travel allowances and dissemination costs

These are expenses incurred in the context of disseminating the results of the Project and complying with the rules of publicity. Indicatively, these include publication costs in scientific journals, registration costs in conferences relating to speeches / communication or posters, costs for organising and conducting workshops and/or conferences, costs for publishing monographs and books, costs for producing audio-visual material, costs for website development and publicity in social media. For all of the above to be considered eligible, they have to be connected to the implementation of the Research Project.

Furthermore, this category also includes costs pertaining to the PI's and RT members' travelling in Greece or abroad for participating in conferences with the purpose to present Research Project outcomes or for conducting field research or collaborative research with RT members belonging to other Institutions in Greece or abroad. In case collaborative research is performed, a necessary condition for cost eligibility is to submit a pertinent letter of intent from the Collaborating Organisation.

This category also includes eligible costs for covering travel allowances of non-remunerated RT members belonging to COs. This category is included in collaborative research and a necessary condition for cost eligibility is the submission of the relevant letter of intent by the CO.

10.1.4. Equipment depreciation costs

Only depreciation costs that correspond to the duration of the project and are calculated based on generally accepted accounting principles are considered eligible.

10.1.5. Costs for third party services

This category includes costs that must be paid in order to use or access research laboratory equipment, research infrastructure or other resources that are necessary for the implementation

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of the research project. Indicatively, apart from the costs for using or accessing lab research equipment or infrastructure, this category may include eligible costs for accessing resources deemed necessary for the implementation of the Research Project, such as: access to databases, subscriptions to libraries, archives and collections of domestic and foreign Institutions, procurement of software for specialized research purposes, costs for software updates, digitisation of printed and audio-visual files and further use of them, costs for acquiring satellite data etc. Finally, this category includes eligible costs related to the provision of services by domestic or foreign Academic or Research Institutions and/or private companies which are necessary for the implementation of the Project. The costs of this category can amount to a percentage up to 10% of the total project budget.

10.1.6. Other Costs

This category includes costs that cannot be included in other categories. Indicative costs included in this category are: special telecommunications costs (such as the use of satellite communication), repair costs for important equipment, etc.

These costs are considered eligible, provided they are specifically mentioned in the Proposal and there is special relevant justification of such need for the successful implementation of the Project.

Especially for costs related to servicing and repairing research equipment, in addition to the above, the provision should also be substantiated by a simple cost-benefit analysis and refer to equipment deemed important for the implementation of the research Project. Eligible are costs for necessary accessories and replacement parts, labour costs and possible shipping costs.

10.2. Indirect costs

This category includes costs that are not directly connected to the implementation of the Project. These costs are paid to the SARFs or the respective HI's department. **Indirect Costs are eligible without presentation of the corresponding receipts/invoices and can amount up to 15% of the total eligible personnel costs.**

11. PROPOSAL SUBMISSION

When submitting Proposals, the following shall be filled in:

- General information (Section A)
- Research Proposal (Section B1 and Section B2)
- Additional documents (Letter of Intent from the CO/COs and other documents)

11.1. Section A: General information

Section A includes the PI's details and information about the Proposal, including the title, acronym, duration of the project and the (short) abstract of the Proposal. The abstract should clearly present

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the objectives of the Proposal and the way these should be accomplished. In case the Project is funded, this abstract may possibly be published (something that the PI and the other RT members shall explicitly and unreservedly accept by submitting the Proposal) and therefore must be brief and precise, not including confidential information. In addition, in this section, the PI of the Proposal selects the Sub-Action and the Scientific/Thematic Area (SA/TA)[1] that corresponds, according to his/her opinion, to the Proposal. More specifically, in Section A, the following information shall be filled in:

- **General information of the Proposal**
  - Sub-action
  - Scientific/Thematic Area (SA/TA), scientific field and sub-field (where applicable)
    Proposal title (in Greek and English)
  - Proposal acronym
  - Proposal summary (up to 2,000 characters, in Greek and English)
  - Keywords (up to 10)
  - Project duration (in months)
  - Detailed project budget (in €)
  - Work Packages
  - Deliverables
  - Milestones
- **PI details** (Full name, contact details, Tax ID., etc.)
- **Host Institution** (School, Department, Institute, etc.)
- **Collaborating Organisations** (School, Department, Institute, Country etc.) *[if applicable]*

The table of ethics is also completed in this Section and serves to identify possible ethical aspects of the Project. This table should be filled in even if there are no deontology issues.

The PI may also specify up to two (2) names of scientists he/she wishes for them to be excluded from the evaluation of the submitted Proposal.

Information in Section A is submitted in **English** (apart from the Proposal title and abstract, which are also submitted in Greek).

11.2. Section B: Research Proposal

Section B consists of two (2) sub-sections, Section B1 and Section B2, which shall be submitted in **English**.

Templates for these two separate Sections with the parts and fields that must be included respectively in Sections B1 and B2 of the Proposal are available in Annexes III and IV hereto and

[1] The Scientific or Thematic Area (SA/TA) that corresponds to the Project is selected by the PI and it cannot be altered after the final submission date of the Proposal to the electronic platform.

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on the H.F.R.I. website https://www.elidek.gr/call/11138/. Each proposal page should include a header presenting with the PI's name and surname, the acronym and the respective Section of the Proposal (Section B1, Section B2, Section B2.1 etc.), as well as a footer with reference to the respective Scientific/Thematic Area (S.A.1, S.A.2, T.A.1, T.A.2 etc.) and to the total number of pages.

Table 5 lists the suggested technical specifications to be followed in all submitted documents. The page limits for each part should be strictly applied. Information and texts outside these limits will not be evaluated.

Table 5. *Technical specifications for texts*

Page Size	Font	Font Size	Line Spacing	Page Margins
A4	Times New Roman, Arial, Calibri, Cambria or similar	11 pt (at least)	Single (at least)	Top-Bottom: 1.5 cm Left-Right: 2 cm

11.2.1. Section B1: Curriculum vitae of the PI and Head on behalf of each CO-Beneficiary

Section B1 consists of the following Sub-sections:

Section B1.1.: PI's CV and Scientific Achievements (maximum: 10 pages)

Section B1.1. includes the PI's curriculum vitae, which among other things mentions their scientific achievements that relate to the proposed Project.

Section B.1.1. is submitted in **English** as a PDF ("Portable Document Format") file and can be up to ten (10) pages long. Any text outside these limits will not be taken into consideration during evaluation.

Section B.1.2.: CVs of the Heads participating on behalf of CO-Beneficiaries (3 pages per head) *[where applicable]*

Section B.1.2. is submitted **only** in the case of Collaborative Projects (Sub-action 2) and includes the CVs of the Heads participating on behalf of the CO-Beneficiaries.

Section B.1.2. is submitted in **English** as a PDF ("Portable Document Format") file and can be up to three (3) pages long per Head. Any text outside these limits will not be taken into consideration during evaluation.

11.2.2. Section B2: Detailed presentation of the research Proposal

Section B2 should describe the scientific, technical and/or academic aspects of the research Project as well as the methodology and work plan. This section should describe the role of the PI and all members of the Research Team in the implementation of the Project and include a full assessment of the real Project cost.

Section B2 consists of the following two (2) sub-sections (Section B2.1. Research Proposal, Section B2.2. CVs of the Research Team members).

Section B2.1. Research Proposal (maximum: 16 pages)

The detailed presentation of the research Proposal should describe the following:

- **Excellence, State of the art and Objectives**

This section shall clearly define the Proposal objectives in relation to the current scientific state of the art. When describing the proposed research Project, it should be mentioned how and why the research Project is important for the scientific field to which it applies. Also, it should be mentioned how and why it is relevant to the Scientific/Thematic Area in which it is submitted. It should also describe its wider impact on science and/or technology and/or arts/culture and/or society. This section will identify (if any) the particularly innovative or unconventional aspects of the proposed research Project.

Indicative units that may be included in this section are:

- Relevance with the Scientific/Thematic Area
- Proposal objectives and necessity/challenges
- State-of-the-art & Innovation
- Scientific and/or social impact

- **Methodology and Implementation**

This section provides a detailed description of the suggested methodology, including, as per case, basic interim targets. The proposed methodology should be described and justified in terms of the scientific state of the art, including any particularly innovative or unconventional aspects concerning the "high risk/high gain" balance. In addition, any intermediate stages where results may require adjustments to project planning should be reported.

The involvement of all Research Team members, as well as the Collaborating Organizations, has to be fully justified, with emphasis on the scientific added value they bring to the Project.

Indicative data that may be included in this section are:

- Research Methodology
- Work plan: Work Packages, Gantt Chart, Deliverables and Milestones Table, Table of Risks and Contingency plan
- Structure of the project Research Team: Roles and responsibilities of the PI, the RT members and the COs involved **(especially in case of CO-Beneficiaries)** *[where applicable].*

- **Budget**

This section should present an analysis of the budget in the cost categories mentioned in Section 10 of this Call, along with supporting documentation for them. In case of Collaborative Projects, the budget analysis corresponding to the CO-Beneficiaries should be submitted separately.

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The initial page (cover page) of the research Proposal (Section B2.1) should include: i) the Sub-action, ii) the PI's full name, iii) the title, iv) the acronym, v) the Scientific/Thematic Area (SA/TA), the scientific field and the sub-field of the Proposal (where applicable), vi) the Project duration (in months), vii) the Project budget (in €), viii) the proposed Host Institution of the Project and ix) the Collaborating Organisations (if any).

Section B2.1 is submitted in **English** and may be up to sixteen (16) pages long, cover page and bibliographic references included. Any text outside these limits will not be taken into consideration during evaluation. Section B2.1 is submitted exclusively as a single PDF ("Portable Document Format") file.

Section B2.2. Research Team Members (1 page per member)

In Section B2.2, brief CVs of all named members of the Research Team are submitted, which may also include selected scientific publications in scientific journals related to the scope of the Research Project.

The skills required for every unnamed position of the Research Team are listed.

This specific Section is submitted in **English** and can be up to one (1) page long per RT member. Section B2.2 is submitted exclusively as a single PDF ("Portable Document Format") file.

The Proposal is submitted by the PI

exclusively online via the H.F.R.I.'s web portal (https://portal.hfri.gr/).

Submission start date: Thursday 1st of September 2022, 12:00 (Greece time)

Submission end date: Wednesday 12th of October 2022, 17:00 (Greece time)

The PI is exclusively responsible for the accuracy of data submitted on the online submission platform.

12. CHECK AND EVALUATION

The evaluation will be conducted by Evaluation Committees in line with the provisions of article 5 par. 5 to 8 of Law 4429/2016, as in force.

12.1. Admissibility and eligibility check for the Proposal

Proposals are checked as to the inclusiveness of all necessary data and documents required, the observance of participation terms and limitations as well as other terms of this Call, as described

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in detail in Section 9. Irrespective of the fact that all proposals are checked as to their admissibility and eligibility prior to the evaluation of their content, if, at any stage of the check and evaluation process, it is ascertained that a Proposal fails to meet any of the relevant criteria, it shall be excluded from the evaluation process.

12.2. Evaluation

The evaluation of the Proposals shall be performed by Evaluation Committees (EC), consisting of five (5) to twenty (20) members. If deemed necessary due to the specialised scope of the Proposals, a non-binding evaluation of one or more Proposals may be requested from one or more independent experts, at the discretion of each EC. The final decision for the evaluation of each Proposal shall be made by the Committee. Said experts and members of Evaluation Committees are pulled from the Register of Certified Evaluators of paragraph 11, article 5 of Law 4429/2016 and, until the latter is created, from the Register of Certified Evaluators of article 27 of Law 4310/2014 (OGG A' 258). Experts and EC members shall have the qualifications related to the subject matter of the project to be evaluated. The Evaluation Committees and independent experts are determined by the Scientific Council in line with the provisions of article 5 of Law 4429/2016. 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.

12.3. Confidentiality

The whole process is governed by rule of confidentiality. The Evaluation Committee members and independent experts sign a declaration of confidentiality and non-conflict of interest. All Evaluation Committee members and independent experts owe full confidentiality before, during and after the evaluation, as to the entire evaluation process.

12.4. Evaluation Process and Criteria

The process of evaluating the Proposals will be completed in one (1) Phase, during which the Proposal will be evaluated for each one of its two main evaluation criteria.

In particular, the full research Proposal (Section B1 and Section B2) will be evaluated in terms of the scientific profile of the PI and the Head(s) of the CO(s)-Beneficiary(ies) (*where applicable*) and their capacity for successful implementation of the Project as well as in terms of the scientific excellence of the research Proposal [originality, appeal and possibility of implementation of the Project by the participating Institutions (*where applicable*) and the members of the Research Team].

The evaluation criteria and their weighting factors are listed in detail in Table 6.

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Table 6: *Evaluation Criteria*

Criteria	Weighting factor
Criterion 1. Principal Investigator and Head of CO-Beneficiaries	**0.4**
A. Scientific Achievements ▪ Scientific work (scientific publications, participation in conferences, distinctions, awards, participation in international and national research programs, etc.) ▪ Degree of scientific scope and resonance abroad **The CVs of the Heads of CO-Beneficiaries are evaluated only in the case of Collaborative Projects under Sub-Action 2 (Section B.1.2.)*	0.2
B. Ability and role for the implementation of the project ▪ Degree of scientific autonomy ▪ To what extent the PI and the Heads of the CO-Beneficiaries (*where applicable*) have the necessary scientific expertise/experience and ability for the successful implementation of the research proposal ▪ The role of the PI and the Heads of the CO-Beneficiaries (*where applicable*) in the implementation of the project **The CVs of the Heads of CO-Beneficiaries are evaluated only in the case of Collaborative Projects under Sub-Action 2 (Section B.1.2.)*	0.2
Criterion 2. Research Proposal	**0.6**
A. Objectives, originality and potential impact of the project ▪ Relevance of the research proposal to the Scientific/Thematic Area ▪ Clarity 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 research proposal is of "high risk/high gain" nature (*where applicable*) ▪ Degree to which the research proposal is characterised by interdisciplinarity *(where applicable)* ▪ Innovative nature and potential impact of the research proposal	0.3

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B. Methodology and Implementation ▪ 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, expertise degree and complementarity of the participating Institutions and RT members as a whole for achieving the proposal's objectives.	0.3

The Evaluation Committee initially grades the evaluation criteria on a scale of 0 to 5 (per 0.5 points), as follows:

- **0 – Insufficient**: The proposal either fails to meet the criterion or cannot assess the criterion due to insufficient or incomplete information.
- **(0.5 – 1) – Weak**: The proposal does not sufficiently meet the criterion and/or there are inherent weaknesses.
- **(1.5 – 2) – Moderate**: The proposal meets the criterion in general but there are significant and substantial weaknesses.
- **(2.5 – 3) – Good**: The proposal meets the criterion at a good level but there is a number of shortcomings.
- **(3.5 – 4) – 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.
- **(4.5 – 5) – Excellent:** The proposal meets all relevant aspects and dimensions of the criterion successfully. Any shortcomings shall be classified as minor.

In case two or more Proposals receive the same overall grade, priority is given to the Proposal that has received the highest grade in the criterion "2. Research Proposal".

In order for a Proposal to be eligible for funding it should receive a minimum score (threshold) of **3.5** in each of the two Criteria separately but also in total.

Based on the above grading combined with the minimum grade (**3.5**), the proposals are ranked based on a - B scale, as described in Table 7 below.

Table 7. *Grading of Proposals*

Grade	Description
A	The Proposal sufficiently meets all evaluation criteria and is recommended for funding if there is sufficient budget.
B	The Proposal does not sufficiently meet the evaluation criteria and is not recommended for funding.

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12.5. Possibility of partial budget approval possibility

The Evaluation Committee, upon justified decision, may partially approve or amend the proposed Project budget, taking into account the terms and restrictions of this Call.

12.6. Verification of copies

In order to verify the accuracy of data and supporting documents submitted electronically through the Online Portal (either at the submission stage or at the implementation stage), the H.F.R.I. conducts a sample check on at least five percent (5%) of the copies submitted by the beneficiaries during the immediately following quarter, requesting the assistance of the agencies or bodies that issued the original documents in line with paragraph 2 of article 11 of Law 2690/1999 , as in force.

13. EVALUATION RESULTS

After the evaluation of the Proposal is completed, the results are communicated to the Project's PI along with a personalised report, which includes the Proposal's evaluation (A or B) and the evaluation report of the Evaluation Committee.

PIs are entitled to submit a **substantiated objection solely on decision legality grounds** within a deadline of ten (10) days from the notification of the evaluation results. Objections are judged by three-member Objection Committees, which shall decide within an exclusive deadline of ten (10) days (Article 5, par. 8 of Law 4429/2016). The Objection Committee's decision is announced to the H.F.R.I. Director and communicated to the person who lodged the objection.

Following the evaluation of Proposals, the H.F.R.I. Director issues the funding award decision (list of research projects to be funded), in line with the available budget. This decision is an enforceable administrative act and is subject to petition for annulment before the Administrative Court of Appeal.

Following the publication of the Research Projects to be funded, the potential beneficiary PIs receive a letter via email, whereby they are invited to submit the necessary supporting documents to the H.F.R.I., so that the Funding Award Decision may be issued.

The Project's PI accepts that messages sent via email, and especially those sent to the email address he/she declared during the online submission of the Proposal, are considered notifications and signal the commencement of all legal processes and deadlines.

14. IMPLEMENTATION PROCESS - PROJECT MONITORING

The Projects that will be included in "Greece 2.0" under this Action will follow the implementation terms and procedures provisioned in the Regulation as well as the Management and Control System (MCS) for Actions and Projects of the Recovery and Resilience Facility under the Regulation (EU) 2021/241 and H.F.R.I.'s Internal Rules of Operation (Joint Ministerial Decision

195245/15.11.2018, OGG B' 5252, as in force). Such terms and procedures will be further specified in the Management - Implementation Guide of the Action, which will be published and remain available in H.F.R.I.'s website (https://www.elidek.gr/).

Decision No. 119126 ΕΞ 2021/28.09.2021 (OGG B' 4498) of the Alternate Minister of Finance determines the Management and Control System (henceforth "MCS") for Actions and Projects of the Recovery and Resilience Facility under the Regulation (EU) 2021/241.

The MCS aims to actively monitor Projects, make sure agreed milestones and goals are achieved on time and ensure an effective use of funds. The System is governed by the principle of sound financial management and ensures compliance with the applicable national and EU law, in particular with provisions pertaining to the prevention, detection and fight against fraud, corruption and conflict of interest as well as provisions regarding the avoidance of double funding.

More specifically, the MCS includes procedures (preventive controls, administrative verifications, on-site inspections) that cover all Project implementation stages until the latter's completion and ensures a sufficient audit trail and a timely detection of irregularities or indications of fraud, which will be reported to the bodies in charge of the application of any measures provisioned.

The MCS Procedures Guidelines for Actions and Projects of the Recovery and Resilience Facility (henceforth "Procedures Guidelines") include documents that have been published by the Recovery and Resilience Facility Agency (RRFA) regarding the execution processes for works as well as original documents which are adapted to the particular characteristics of RRF Actions and Projects. Such documents ensure the effective implementation of the NRRP, a sufficient audit trail as well as a sound financial management of RRF resources. The Procedures Guidelines include detailed Instructions on the Implementation of Aid Actions (D1_In.2).

The Procedures Guidelines may be revised or completed on a regular basis, depending on the needs identified by RRFA.

The Procedures Guidelines and each revision made on the documents included therein shall be approved by the Governor of RRFA and shall be published on the latter's website: www.greece20.gov.gr.

All stakeholders who are involved in the management and audit of RRF actions and projects as well as in their implementation at an appropriate level are obliged to apply the MCS and the Procedures Guidelines.

15. OBSERVANCE OF EU AND NATIONAL RULES

Project beneficiaries under this Action should observe the below obligations:

(i) Observe EU and National Legislation when implementing the project, and especially with regard to the law on public contracts, sustainable development, state subsidies, gender equality, non-discrimination of and accessibility for People with Disabilities.

(ii) Observe the commitments of the Regulation (EU) 2021/240, including the achievement of green and digital goals in the transmission process, the principle of "do no significant harm", the sound financial management, the effective prevention of fraud and conflict of interest as well as the avoidance of double funding.

16. PERSONAL DATA

The H.F.R.I. as well as any national and EU auditing bodies may process personal data, when deemed necessary, in order to evaluate Proposals, ensure the correct implementation of Projects and conduct accounting and other kinds of checks with regard to the use of funds under the Recovery and Resilience Plan. Personal data is processed in accordance with the Regulation (EU) 2016/679 of the European Parliament and of the Council as well as in accordance with Law 4624/2019. For transparency reasons, the list of Projects to be funded along with the Funding Award Decision, which shall inter alia include the Proposal title, the Principal Investigator, the HI and the approved budget for each Project, will be published to the websites of the H.F.R.I., the General Secretariat for Research and Innovation, the Recovery and Resilience Facility and the web portal DIAVGEIA.

17. PUBLICITY

The H.F.R.I., in its role as the Implementing Institution of the Action, and funding beneficiaries under this Action must apply and comply with the Communication and Publicity Strategy as well as the Communication Guide of the National Recovery and Resilience Plan that was prepared by RRFA and is available in the following link: https://greece20.gov.gr/epikoinwnia-dimosiotita/.

18. COMMUNICATION - INFORMATION

Detailed information and briefing on this Call will be provided by H.F.R.I.'s Department of Research Projects via email: researchdepartment@elidek.gr and by calling +30 210-6412410, +30 210-6412420.

The Call and its Management-Implementation Guide will be published in the H.F.R.I. website www.elidek.gras well as in www.gsrt.gr and https://greece20.gov.gr.

The H.F.R.I. Director

Dr. Aikaterini Kouravelou

ANNEX I: SCIENTIFIC AREAS, SCIENTIFIC FIELDS [2]

SA1. 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
- 1.1.12. Nanotechnology

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 Nanotechnology
- 1.2.9 Molecular architecture
- 1.2.10 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
- 1.3.8. Nanotechnology

1.4. Universe Sciences

- 1.4.1 Astronomy
- 1.4.2 Astro-physics/chemistry/biolog
- 1.4.3 Solar system
- 1.4.4 Stellar
- 1.4.5 Galactic and extragalactic astronomy

[2] The scientific fields and sub-fields are only provided as an example and they may be differentiated in the electronic submission platform.

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1.4.6 Planetary systems
1.4.7 Cosmology
1.4.8 Space science
1.4.9 Instrumentation

1.5. Other physical sciences

SA2. 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

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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

SA3. Life 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

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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 Inflection
- 3.7.1 The immune system and related disorders
- 3.7.2 Biology of infectious agents and infection
- 3.7.3 Biological basis 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

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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 Applied biotechnology
3.10.3 Environmental and marine biotechnology
3.10.4 Genetic engineering
3.10.5 Synthetic and chemical biology
3.10.6 Applied Bioengineering

3.11 Other Life Sciences

SA4. 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 Biodiversity

4.4 Agricultural biotechnology
4.4.1 Agricultural biotechnology
4.4.2 Food biotechnology
4.4.3 Molecular and genomic plant breeding, market assisted selection
4.4.4 Biomass feedstock production technologies
4.4.5 Agricultural biotechnology and food biotechnology related ethics

4.5 Ecology – Synthetic Biology

4.6 Food sciences and Technology
4.6.1 Dairy science and technology
4.6.2 Food chemistry
4.6.3 Food engineering
4.6.4 Food microbiology
4.6.5 Food packaging

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4.6.6 Food processing
4.6.7 Food technology
4.6.8 Molecular gastronomy
4.6.9 New product development
4.6.10 Quality control

4.7 Computational biology, systems biology, Genetics, "omics" and Bionformatics

4.8 Applied Technologies, Diagnostics, Public Health

4.8.1 Rapid methods/Diagnostic tools

4.9 Epidemiology public health

4.10 AI and Data Science in Agriculture & Food Science

4.11 Other Agricultural Sciences and Food sciences and Technology

SA5. 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, 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

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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

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/education policies
6.3.5. Sociology of education/history of education
6.3.6. Special education
6.3.7. Teaching and learning art and humanities
6.3.8. Teaching and learning natural sciences / mathematics

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/Counseling 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

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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 & 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 & 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 Earth and related environmental sciences

8.5.1. Climatology
8.5.2. Geochemistry and geophysics
8.5.3. Geology
8.5.4. Hydrology
8.5.5. Atmospheric sciences
8.5.6. Mineralogy
8.5.7. Marine sciences
8.5.8. Paleontology
8.5.9. Physical geography
8.5.10. Water resources

8.6 Energy resources

8.6.1. Fossil and nuclear energy
8.6.2. Energy grids

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8.6.3. End use efficiency
8.6.4. Policies and economics

8.7 Renewable energy resources and systems

8.7.1. Bioenergy
8.7.2. Geothermal energy
8.7.3. Hydraulic energy
8.7.4. Solar energy
8.7.5. Wind energy
8.7.6. Hydrogen and fuel cells
8.7.7. Wave and tidal energy
8.7.8. Hybrid systems
8.7.9. Energy storage
8.7.10. Emerging technologies

8.8 Energy and the built environment

8.8.1. Sustainable building design
8.8.2. Sustainable urban living
8.8.3. Energy technologies for buildings
8.8.4. Smart innovative materials
8.8.5. Smart buildings in smart cities

8.9 Sustainable mobility and logistics

8.9.1. Sustainable urban mobility
8.9.2. Freight transport and logistics

8.10 Circular economy

8.10.1. Bioeconomy
8.10.2. Sustainable industry and manufacturing systems
8.10.3. Waste and resource management
8.10.4. Water in the circular economy

SA9. Management & Economics of Innovations

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

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ANNEX II: THEMATIC AREAS AND SCIENTIFIC FIELDS OF SUB-ACTION 2[3]

TA1. Physical Sciences, Engineering Sciences & Technology, Environment & Energy
The actions in the fields of Physical Sciences, Engineering Sciences and Technology and Energy and Environment focus on leading-edge matters of the European Green Deal and concern climate change and environmental degradation, thus seeking new scientific and technological knowledge. The main objectives are to understand the complex technological and environmental processes in order to develop a modern background that will ensure environmentally friendly and sustainable development without geographical or social exclusions. These objectives will be achieved through the implementation of three axes: zero greenhouse gas emissions, economic development based on circular economy and development of sustainable constructions and smart cities that will serve social and individual needs, thus seeking to improve the well-being of citizens and future generations. Based on the above, the following interdisciplinary fields are suggested indicatively for the submission of scientific research proposals with the aim of producing new scientific and technological knowledge which will have a significant impact on solving the aforementioned problems. The suggested fields below are not restrictive and all proposals will be evaluated regarding matters that will investigate or propose solutions for a sustainable and environmentally friendly development under the European Green Deal. 1.1 Removal and regeneration of plastic waste in soil and/or sea 1.2 Composite materials recycling; recovery and reuse of reinforcements, such as fibres 1.3 CO2 Capture and transformation into fuels and chemical materials 1.4 Green hydrogen production for industrial, chemical and energy applications 1.5 Advanced hydrogen storage materials 1.6 Green materials for special applications (e.g. domestic, construction, transport etc.) 1.7 Lightweight materials development for reducing energy consumption 1.8 Development of non PGM (Platinum Group Metals) catalystsfor all fuel cell and water electrolysis technologies 1.9 Science and Technology development for high energy storage systems 1.10 Novel approaches/technologies for the development of solar electricity production stations with concentrating mirrors (CSP technologies) 1.11 3D/4D printing for new material and/or component manufacturing 1.12 Data mining and optimization of algorithms based on engineering principles 1.13 Development of high resolution system models for global and regional climate change projection 1.14 Novel material development for new solid-state batteries 1.15 The contribution of forest and aquatic ecosystems management to the climate action: pathways, trade-offs and co-benefits 1.16 Smart cities 1.17 Other (Fields that meet the objectives of the European Green Deal and are not covered by the above)

[3] The scientific fields and sub-fields are only provided as an example and they may be differentiated in the electronic submission platform.

TA2. Life Sciences

2.1 Biomedical Sciences
2.2 Marine biology

TA3. Agricultural Sciences – Food Science & Technology

The suggested fields are not restrictive and all proposals will be evaluated regarding matters that will investigate or propose solutions for one health initiative[4] as well as for a sustainable and environmentally friendly development under the European Green Deal. According to "one health initiative", One Health is a global strategy with the aim of spreading interdisciplinary cooperation and communication, in all areas of human, animal and environmental health.

3.1 Antimicrobial resistance of microorganisms (AMR) in food and feed

- determination of minimum concentrations that induce the selection of antibiotic-resistant microorganisms and biological strategies to deal with the associated risk, e.g. CRISPR-Cas, 'hunter' microorganisms, use of bacteriophages to combat the survival and spread of microbial multi-resistance to antibiotics,
- clarification of their role in the emergence and persistence of antibiotic-resistant microorganisms in the food preparation environment, the phenotypic and genetic characteristics, related to resistance in general to stress conditions (e.g. resistance to conditions of low humidity and high or low temperatures - cooling), the ability to form biofilms, the response to stress, the virulence, the compensation of the lack of competitiveness due to a reduced growth rate of antibiotic-resistant microorganisms, the coexistence on a common (mobile) genetic basis (e.g. plasmids, auxiliary genome, etc.) of antibiotic resistance genes, and/or genes that provide tolerance to heavy metals or biocidal substances,
- new generation antimicrobials, e.g. related to inter-cellular communication (quorum sensing)

3.2 Systematic use of "omic" technologies in the quantitative assessment of the risk of food/feed of plant or animal origin starting from primary production

- capturing the interaction between pathogens and the host (e.g. gut microbiome, the role of adaptability and rapid response of risk factors in the colonization and penetration of the intestinal epithelium), to increase the profundity of mathematical dose-response models,
- mapping the adaptive mechanisms employed by pathogenic microorganisms to establish themselves in the food processing environment (starting from primary production) and/or to develop resistance to mild processes. For example, increased colonization potential on biotic and abiotic surfaces, stress response mechanisms, biofilm formation and uptake of exogenous (e.g. via conjugation and horizontal transfer) mobile genetic elements or point mutation of virulence-related genes and their expression in environmental eco-sites,
- identification of genetic markers (e.g. through whole genome sequencing, genome-wide associations and nucleotide polymorphism – allele analysis) to assess the establishment capacity (e.g. in the form of prolonged persistence and regular reappearance in the food processing environment) of foodborne pathogens, as well as

[4] https://www.onehealthcommission.org/en/why_one_health/what_is_one_health/

confirmation of the functional role of the above genes at the level of individual cells, through mutants and gene labelling with fluorescent markers in the promoters of said genes, using fluorescence microscopy and related techniques,
- study and selection of genetic traits related to genetic resistance to harmful biotic agents and possibilities for better utilization of animal feed

3.3 Using large-scale data (biological and non-biological) as well as Information and Communication Technology Tools (ICT) for the adequacy, sustainability and safety of agri-food products[5]

3.4 Systems Biology: from primary production to the consumer's plate

Understanding and mapping biomarkers related to the ability to cope and adapt to stressors in animals and plants

3.5 Microbial ecology and primary production

- Microbial communities/consortia (natural, artificial, synthetic or semi-synthetic) in the environment and interactions with plant and animal species and with each other
- Bioremediation, biodegradation, waste management & product synthesis
- Dietary upgrading and utilization of agri-food by-products and co-products (e.g. animal feed)

3.6 Introduction of nanotechnology for the evaluation (and improvement) of quality and safety in the food and animal feed sector

- Agrochemical nano-formulations for pesticide and fertilizer application for crop improvement
- Application of nano sensors in crop protection to detect diseases and agrochemical residues
- Nanodevices

3.7 Climate change[6]: impact on primary production and the supply chain (farm to fork) – circular economy, development of sustainable systems for food adequacy and safety

3.8 Risk based food processing design

- Tools/methods for translating scientific risk assessment information into stakeholder- and consumer-friendly format(s), so as to strengthen confidence in food safety (including actions such as adulteration, fraud, e.g. food crime, etc.)
- Development of tools for mass, laboratory and on-site, early and accurate diagnosis of subclinical infectious and metabolic diseases

3.9 Impact of the consumer behaviour on food sustainability, adequacy and safety

- Developing methods to study consumer behaviour in public health policies, food waste, environmental protection and food resource sustainability and adequacy
- Developing methods from primary production and throughout the supply chain that strengthen consumer confidence and belief that food is of high quality, authentic, safe and produced and used in the most sustainable way possible
- Developing tools to help consumers reduce food waste

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5 *(i) https://pubmed.ncbi.nlm.nih.gov/34539683/ (ii) https://pubmed.ncbi.nlm.nih.gov/34925418/ (iii) https://pubmed.ncbi.nlm.nih.gov/34367194/ (iv) https://pubmed.ncbi.nlm.nih.gov/35406950/ (Machine learning for plant stress) (v) https://pubmed.ncbi.nlm.nih.gov/35072100/ (animal science) (vi) https://genomebiology.biomedcentral.com/articles/10.1186/s13059-022-02650-w (breeding)*

6 (i)https://pubmed.ncbi.nlm.nih.gov/35251130/ (epigenetic) (ii) https://www.nature.com/articles/srep24328 (mycotoxin) (iii) https://link.springer.com/article/10.1007/s10584-014-1277-y (food security) (iv) https://www.fao.org/3/ca2079en/CA2079EN.pdf (security - sustainability - food system)

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3.10	**Emerging risks (natural, biological, chemical) from primary production to the consumer, in the context of one health** - Development, recognition or optimization of appropriate, reliable, sensitive, and easy-to-use methods and techniques for detecting significant and emerging risks (environmental or non-environmental) - Use of mathematical models to predict the occurrence of new biological/chemical pollutants
3.11	**Plastics as emerging pollutants of soil and agri-food in general**[7] Level of risk, source and routes of spread. Measures to deal with the problem
3.12	**Methods to assess food allergy**[8] - Methods for the assessment & evaluation of allergenic substances and allergenic foods in general, [minimum knowledge about this cycle of substances through animal feed and how they affect allergenicity], - Processing (from the primary sector) of food affects the allergenicity of the food or one of its ingredients
3.13	Other (Fields that meet the objectives of the European Green Deal and One Health and are not covered by the above)

TA4. Mathematics and Information Sciences	
4.1	Artificial intelligence and robotics
4.2	Next generation networks and the internet of things
4.3	High performance computing and large-scale data
4.4	Security and privacy
4.5	Quantum computing
4.6	Large-scale infrastructure
4.7	Cyber physical systems
4.8	Differential Equations and Geometric Analysis
4.9	Number Theory, Algebra and Geometry
4.10	Mathematical Analysis and Applications
4.11	Computational Mathematics and Optimization
4.12	Probability, Statistics and Applications

[7] *(i) https://www.sciencedirect.com/science/article/pii/S0048969721028862?via%3Dihub (II) https://doi.org/10.1016/j.jhazmat.2021.126084 (iii) https://link.springer.com/article/10.1007/s00128-019-02623-z* **(iv)** *https://www.frontiersin.org/articles/10.3389/fenvs.2017.00012/full*

[8] *(i) https://www.efsa.europa.eu/en/efsajournal/pub/1700* **(ii)** *https://www.efsa.europa.eu/sites/default/files/consultation/140523.pdf* **(iii)** *https://www.efsa.europa.eu/sites/default/files/2021-07/allergenicity-assessment.pdf* **(iv)** *https://www.efsa.europa.eu/sites/default/files/2021-07/D.Lozano-Ojalvo_In-vitro-approaches-allergenicity.pdf*

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TA5. Social Sciences, Humanities & Arts, Management & Economics of Innovation

5.1 Study of Inclusive Societies

Studying the promotion of societies with no exclusions, inclusive societies and societies with social cohesion by investigating more specific issues, such as migration and its effects on individuals and societies, precarious employment and its impact on various dimensions of life, poverty and the economic dimensions of these societies in general, the development of ideologies (e.g. populism) and their impact on democracy and intergroup relations, rights and respect of gender, race, sexuality and religion diversity etc.

5.2 Communication, Mass Media and social influence

Communication, mass media and social influence, including trust issues towards institutions, experts etc., the development and impact of fake news, the communication of expert and non-expert opinions and the effects of these phenomena etc.

5.3 Digital Humanities and Social Sciences in the following fields:

5.3.1 Digital classics
5.3.2 Computational linguistics
5.3.3 Digital applications in the study and teaching of ancient and modern languages
5.3.4 Digital applications in Archaeology and Cultural Heritage
5.3.5 Digital applications in historical research
5.3.6 Digital applications in the history of religions
5.3.7 Digital art forms / Digital applications in the arts
5.3.8 Understanding the potential worlds and communities as well as the services they provide
5.3.9 Use and effects of social media
5.3.10 Tele-education and teleworking: applications and effects etc.
5.3.11 Critical approach of the digital world

5.4 Development of innovative applications and sustainable business models

Development of innovative applications and sustainable business models that can be implemented either in existing organisations (businesses, industries, industrial fields) or aiming at developing new small and medium-sized enterprises (including spin-off companies), with an emphasis on sustainable solutions having a technological, financial and environmental dimension and with the purpose to support Research and Development. These may also include actions relating to the utilisation of Information and Communication Technologies as well as the process of digitalisation through knowledge dissemination and feedback platforms and through the connection of natural systems and computer models in the context of developing innovative applications for industries/businesses.

5.5 Development of innovative governance policies and models

Developing policies and governance models of innovation and improving methodological contexts related to the encouragement and evaluation of innovative actions, as well as studying the impact and the dissemination mechanisms of innovative applications/technologies in a large scale. Actions involving the dissemination/promotion of research projects/actions/applications related to either the circular or social economy

Greece 2.0 NATIONAL RECOVERY AND RESILIENCE PLAN
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in the wider society or 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 are included.

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ANNEX III: TEMPLATES OF SUB-ACTION 1

INSTRUCTIONS FOR COMPLETING PART B

Please use the following templates to write your proposal. The templates are mandatory. However, you can modify them according to the needs of your research proposal e.g., you may omit sections if not applicable, change the order of the different sections etc. You may also remove the guidelines in italics. Please include the indicative fields in your proposal.

Save each section (i.e. B1, B2.1 etc.) as a separate pdf document and upload it on the platform in the respective field. It is likely the formatting is affected when you download the document. Please ensure that the document still complies with the formatting specifications defined in the Call (link) and make the appropriate corrections.

It is important to note that any information presented beyond the page limits as defined in the Call (link) will not be taken into consideration during the evaluation process.

- Part B must be written in **English**.
- Upload documents as separate **PDF** files.
- Please follow the template below (it may be amended if necessary).
- Please comply with the formatting specifications of Table A.

Part B1 PI CV and achievements

- Page limit: max. **ten (10) pages,** including cover page.
- Document size: max. **3MB**.

Part B2.1 Research proposal

- Page limit: max. **sixteen (16) pages** including cover page and references.
- Document size: max. **5MB**.

Part B2.2 Research Team Members' CVs

- Part B2.2 has to be submitted as **a single file.**
- The document must include the CVs of all the Research Team Members.
- Page limit: max. **one (1) page per team member**.
- Document size**:** max. **3MB**.

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FORMATTING SPECIFICATIONS

Each page should contain a header presenting the PI's name, the acronym and a reference to the respective part of the proposal (Part B1, Part B2, etc.) and a footer with reference to the respective Scientific Area (SA1, SA2, etc.) and the page number.

The following Table (Table A) lists the Formatting Specifications that should be followed for the layout.

Please follow the page limits strictly. Only information presented within the page limits will be evaluated.

Table A. Formatting Specifications

Page Size	Fonts	Font Size	Line Spacing	Margins
A4	Times New Roman, Arial, Calibri, Cambria	11 pt (at least)	Single (at least)	Top-Bottom: 1,5 cm Left-Right: 2 cm

Greece 2.0 NATIONAL RECOVERY AND RESILIENCE PLAN
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Greece 2.0
Basic Research Financing Action
(Horizontal support of all Sciences)
Sub-action 1
Funding New Researchers
PART B1

PART B1 PI CURRICULUM VITAE & SCIENTIFIC ACHIEVEMENTS

(max. 10 pages including the cover page)

Proposal Title
Proposal Acronym

- **Principal Investigator** (Name/Surname):
- Scientific Area:
- Scientific Field:
- Scientific Subfield:
- Project Duration (in months):
- Total Budget (€):
- Host Institution:
- Collaborating Organization(s): (*if applicable*)

CURRICULUM VITAE

PERSONAL INFORMATION	
SURNAME	
NAME	
e-mail	
TEL.	

CURRENT POSITION(S)

yyyy - yyyy	**Current position** Name of Faculty/Department, Name of University/Institution/Company, Country

PREVIOUS POSITION(S)

Please add previous research position(s)/experience starting with the most recent.

yyyy - yyyy	**Position** Name of Faculty/Department, Name of University/Institution/Company, Country
yyyy - yyyy	**Position** Name of Faculty/Department, Name of University/Institution/Company, Country

EDUCATION

Please add separate sections for each degree starting with the most recent.

yyyy - yyyy	Name of Faculty/Department, Name of University/Institution, Country, Thesis title, Degree
yyyy - yyyy	Name of Faculty/Department, Name of University/Institution, Country, Thesis title, Degree

PUBLICATIONS

Please add the most important publications and highlight those related to the subject of the proposed research project (if any).

- Title, Author(s), Journal, Volume, Pages, Year, DOI (Number and Link)
- *Insert row below to add information*

CONFERENCES/WORKSHOPS/etc.

National, international scientific conferences, workshops, summer schools, educational seminars, etc. in chronological order, starting with the most recent.

- Conference Name, Title, Date, Location
- *Insert row below to add information*
- ..

MEMBERSHIPS & REVIEWING ACTIVITIES *(if applicable)*

yyyy - yyyy	Evaluator, Name of University/Institution/Country
yyyy - yyyy	Member, Name of Research Network, etc.
yyyy - yyyy	*Insert row below to add information*

TEACHING ACTIVITIES (*if applicable*)

yyyy - yyyy	Teaching position – Topic, Name of University/Institution/Country
yyyy - yyyy	*Insert row below to add information*

SUPERVISION OF GRADUATE STUDENTS & POSTODOCTORAL FELLOWS *(if applicable)*

yyyy - yyyy	Number of Postdocs/PhD/Master Students Name of University/Institution/Country
yyyy - yyyy	*Insert row below to add information*

FELLOWSHIPS and AWARDS *(If applicable)*

yyyy - yyyy	Scholarship, Name of Faculty/Department/Centre, Name of University/Institution/Country
yyyy - yyyy	Award, Name of Institution/Country
	Insert row below to add information

RESEARCH GRANTS *(If applicable)*

Please add indicative research projects (international or national) in which you have participated (in any role).

Project Title	Funding source	Period	Role of the PI

GRANT APPLICATIONS OF RELATED PROJECTS *(if applicable)*

*Please add other Research Proposals/Projects **related to the proposed research project** in which you are involved in any role.*

Project Title	Funding source	Submission date	Role of the PI

SCIENTIFIC ACHIEVEMENTS

The PI should list his/her activity regarding (if applicable):

1. *Up to ten (10) representative publications, from the last ten (10) years, as main author*
2. *Research monographs*
3. *Granted patents*
4. *Invited presentations to international conferences and/or advanced schools*
5. *Organization of international conferences*
6. *Prizes/Awards/Academy memberships*
7. *Major contributions to the early careers of excellent researchers*

Please write your text here

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Basic Research Financing Action
(Horizontal support of all Sciences)
Sub-action 1
Funding New Researchers
PART B2.1

PART B2.1 RESEARCH PROPOSAL

(max. 16 pages including cover page and references)

Proposal Title
Proposal Acronym

- **Principal Investigator** (Name/Surname):
- Scientific Area:
- Scientific Field:
- Scientific Subfield:
- Project Duration (in months):
- Total Budget (€):
- Host Institution:
- Cooperating Organization(s): (*if applicable*)

1 EXCELLENCE, STATE-OF-THE-ART AND OBJECTIVES

Indicative fields should include:

- *Relevance with the selected Scientific Area*
- *Proposal objectives and necessity/challenges*
- *State-of-the-art & Innovation*
- *Scientific and/or social impact*

Please write your text here

2 METHODOLOGY AND IMPLEMENTATION

Indicative fields should include:

- *Research Methodology*
- *Work Plan*
- *Research Team*

2.1 Research Methodology

Please write you text here

2.2 Work Plan {Work Packages, Gantt Chart, Deliverables and Milestones Table, Table of Risks and Contingency Plan}

Please include the following:
- Brief outline of the overall work plan
- Description of each Work Package (WPs)
- Tables of Deliverables and Milestones
- Table of Risks and Contingency Plan
- Timeline/timetable of the different work packages and their components (Gantt Chart)

2.2.1 Brief outline of the overall work plan

Please write your text here

2.2.2 Description of each Work Package (WPs)

Indicative Table for the description of each Work Package.
*[**Important:** Please include a Project Management and a Dissemination and Communication Management Work Package]*

WP Number:	**WP Title:**	
Starting Month:	**Ending Month:**	**Person Months (PMs):**
Objectives Description of Work Tasks Deliverables Milestones		

Copy table below to add information

2.2.3 Deliverables

Indicative deliverables: technical reports, research results, databases, new studies, interactive tools, e-learning tools, dissemination reports [peer-reviewed journals, publications in conference proceedings, books/chapters in books, lectures/conferences/workshops presentations, posters, patents etc.]

Deliverable Number	**Deliverable Name**	**Related WP**	**Type[9]**	**Dissemination Level[10]**	**Due Date (in months)[11]**

Copy table below to add information

2.2.4 Milestones

Milestone Number	**Milestone Name**	**Related WP**	**Due Date (in months)**	**Means of Verification**

Copy table below to add information

[9] Please add one of the following types:
R = Report (document, including interim and final report)
DEM = Demonstrator (prototype, plan, etc.)
DEC = Publications, patents, etc.
Other
[10] Please add one of the following types:
PU = PUBLIC (public available)
CO = CONFIDENTIAL (available only to the research team and H.F.R.I.)
[11] *Please add the respective Project's delivery month.*

2.2.5 Risks and Contingency Plan

Description of risk (indicate level of likelihood: Low/Medium/High)	WPs involved	Proposed risk – Mitigation measures
	Insert row below to add information	

2.2.6 Timeline/timetable of the different work packages and their components (Gantt Chart).

Insert Gantt Chart here

2.3 Research Team

Describe the specific roles of the Research Team members in the implementation of the project. The involvement of all members of the Research Team, as well as the involvement of the Collaborating Organizations (if applicable) has to be fully justified, with emphasis on the scientific added value they bring to the project.

3 BUDGET

Please complete/modify the following table to include all costs of the proposed project.

Table 3.1. Project Budget and justification

Cost Category	Restrictions
DIRECT COSTS	
Personnel costs[1] (PI and Research Team members)	**≥ 50% of the total budget**
Consumables	-
Dissemination and Travel	-
Equipment (Depreciation value)	-
Subcontracting costs	**≤ 10% of the total budget**
Other costs	-
INDIRECT COSTS	**≤15% of personnel costs**
Total HI Budget	**€**

[1]*For personnel costs please refer to the terms described in Table4 of the call.*

Budget justification

Please justify the proposed costs per category here

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Sub-action 1
Funding New Researchers
PART B2.2

PART B2.2 RESEARCH TEAM MEMBERS' CVS

(max: 1 page/member)

Proposal Title
Proposal Acronym

- **Principal Investigator** (*Name/Surname*):
- Scientific Area:
- Scientific Field:
- Scientific Subfield:
- Project Duration (in months):
- Total Budget (€):
- Host Institution:
- Collaborating Organization(s): (*if applicable*)

Number	Name	Affiliation (Host Institution or Collaborating organization)	Brief Role in the Project

Member Name:
It is completed for each Research Team Member (1 page per TM)

Copy table below to add more Research Team Member

COLLABORATING ORGANIZATION "LETTER OF INTENT" INSTRUCTIONS

Letters of intent are submitted only if relevant collaborations are described in the proposed research project. A "letter of Intent" must be submitted for each one of the Collaborating Organizations.

In order for the "Letter of Intent" to be considered as valid, the official info of the organization should be included (i.e. logo, address) and should bear the signature and stamp (if applicable) of the **Legal Representative** of the Organization.

Additionally, in the text the following information must be included:

- The intention of the organization to collaborate with the Principal Investigator and the Host Institution for the implementation **of the specific project** (if funded) (reference to the title and the acronym of the Proposal, the PI and the Host Institution) under the framework of the "Basic Research Financing Action (Horizontal support of all Sciences)".
- Description of the type and the nature of the collaboration, including the persons of the Collaborating Organization involved.
- Reference of the equipment, infrastructures and/or other resources that will be used for the implementation of the project.

ANNEX IV: TEMPLATES OF SUB-ACTION 2

INSTRUCTIONS FOR COMPLETING PART B

Please use the following templates to write your proposal. The templates are mandatory. However, you can modify them according to the needs of your research proposal e.g., you may omit sections if not applicable, change the order of the different sections etc. You may also remove the guidelines in italics. Please include the indicative fields in your proposal.

Save each section (i.e. B1, B2.1 etc.) as a separate pdf document and upload it on the platform in the respective field. It is likely the formatting is affected when you download the document. Please ensure that the document still complies with the formatting specifications defined in the Call (link) and make the appropriate corrections.

It is important to note that any information presented beyond the page limits as defined in the Call (link) will not be taken into consideration during the evaluation process.

- Part B must be written in **English**.
- Upload documents as separate **PDF** files.
- Please follow the template below (it may be amended if necessary).
- Please comply with the formatting specifications of Table A.

Part B1.1 PI CV and achievements

- Page limit: max. **ten (10) pages,** including cover page.
- Document size: max. **3MB**.

Part B1.2 Leaders' CV's and achievements

- Page limit: max. **three (3) pages** per Collaborating Organization leader, including cover page.
- Document size: max. **3MB**.

Part B2.1 – Research proposal

- Page limit: max. **sixteen (16) pages** including cover page and references.
- Document size: max. **5MB**.

Part B2.2. Research Team Members' CVs

- Part B2.2 has to be submitted as **a single file.**
- The document must include the CVs of all the Research Team Members.
- Page limit: max. **one (1) page per team member**.

- Document size**:** max. **3MB**.

FORMATTING SPECIFICATIONS

Each page should contain a header presenting the PI's name, the acronym and a reference to the respective part of the proposal (Part B1, Part B2, etc.) and a footer with reference to the respective Thematic Area (ThA1, ThA2, etc.) and the page number.

The following Table (Table A) lists the Formatting Specifications that should be followed for the layout.

Please follow the page limits strictly. Only information presented within the page limits will be evaluated!

Table A. Formatting Specifications

Page Size	Fonts	Font Size	Line Spacing	Margins
A4	Times New Roman, Arial, Calibri, Cambria	11 pt (at least)	Single (at least)	Top-Bottom: 1,5 cm Left-Right: 2 cm

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Sub-action 2
Funding Projects in Leading-Edge Sectors
PART B1.1

PART B1.1 PI CURRICULUM VITAE & SCIENTIFIC ACHIEVEMENTS

(max. 10 pages including the cover page)

Proposal Title
Proposal Acronym

- **Principal Investigator** (Name/Surname):
- Thematic Area:
- Topic of scientific, technological and social/financial interest (*please see Call Appendix*):
- Subfield (*if applicable*):
- Project Duration (in months):
- Total Budget (€):
- Host Institution:
- Co-operating Organization(s): (*if applicable*)

PI CURRICULUM VITAE

PERSONAL INFORMATION	
SURNAME	
NAME	
e-mail	
TEL.	

CURRENT POSITION(S)

yyyy - yyyy	**Current position** Name of Faculty/Department, Name of University/Institution/Company, Country

PREVIOUS POSITION(S)

Please add previous research position(s)/experience starting with the most recent.

yyyy - yyyy	**Position**

	Name of Faculty/Department, Name of University/Institution/Company, Country
yyyy - yyyy	**Position** Name of Faculty/Department, Name of University/Institution/Company, Country

EDUCATION

Please add separate sections for each degree starting with the most recent.

yyyy - yyyy	Name of Faculty/Department, Name of University/Institution, Country, Thesis title, Degree
yyyy -yyyy	Name of Faculty/Department, Name of University/Institution, Country, Thesis title, Degree

PUBLICATIONS

Please add the most important publications and highlight those related to the subject of the proposed research project (if any).

- Title, Author(s), Journal, Volume, Pages, Year, DOI (Number and Link)
- *Insert row below to add information*

CONFERENCES/WORKSHOPS/etc.

National, international scientific conferences, workshops, summer schools, educational seminars, etc. in chronological order, starting with the most recent.

- Conference Name, Title, Date, Location
- *Insert row below to add information*
- ..

MEMBERSHIPS & REVIEWING ACTIVITIES *(if applicable)*

yyyy - yyyy	Evaluator, Name of University/Institution/Country
yyyy - yyyy	Member, Name of Research Network, etc.
yyyy - yyyy	*Insert row below to add information*

TEACHING ACTIVITIES (*if applicable*)

yyyy - yyyy	Teaching position – Topic, Name of University/Institution/Country
yyyy - yyyy	*Insert row below to add information*

SUPERVISION OF GRADUATE STUDENTS & POSTODOCTORAL FELLOWS *(if applicable)*

yyyy - yyyy	Number of Postdocs/PhD/Master Students Name of University/Institution/Country
yyyy - yyyy	*Insert row below to add information*

FELLOWSHIPS and AWARDS *(If applicable)*

yyyy - yyyy	Scholarship, Name of Faculty/Department/Centre, Name of University/Institution/Country
yyyy - yyyy	Award, Name of Institution/Country
	Insert row below to add information

RESEARCH GRANTS *(If applicable)*

Please add indicative research projects (international or national) in which you have participated or participated (in any role).

Project Title	Funding source	Period	Role of the PI

GRANT APPLICATIONS OF RELATED PROJECTS *(if applicable)*

*Please add other Research Proposals/Projects **related to the proposed research project** in which you are involved in any role.*

Project Title	Funding source	Submission date	Role of the PI

PI SCIENTIFIC ACHIEVEMENTS

The PI should list his/her activity regarding (if applicable):

1. *Up to ten (10) representative publications, from the last ten (10) years, as main author*
2. *Research monographs*
3. *Granted patents*
4. *Invited presentations to international conferences and/or advanced schools*
5. *Organization of international conferences*
6. *Prizes/Awards/Academy memberships*
7. *Major contributions to the early careers of excellent researchers*

Please write your text here

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Sub-action 2
Funding Projects in Leading-Edge Sectors
PART B1.2

IMPORTANT! This part is only completed for collaborative projects (see paragraph 9.4 of the Call)

PART B1.2 LEADER CURRICULUM VITAE

(max. 3 pages per leader including the cover page)

Proposal Title
Proposal Acronym

- **Principal Investigator** (Name/Surname):
- Thematic Area:
- Topic of scientific, technological and social/financial interest (*please see Call Appendix*):
- Subfield (*if applicable*):
- Project Duration (in months):
- Total Budget (€):
- Host Institution:
- Cooperating Organization(s): (*if applicable*)

LEADER 1 CURRICULUM VITAE

Please add up to 3 pages for each project leader. Feel free to add or delete sections.

PERSONAL INFORMATION	
SURNAME	
NAME	
e-mail	
TEL.	

CURRENT POSITION(S)

yyyy - yyyy	**Current position** Name of Faculty/Department, Name of University/Institution/Company, Country

PUBLICATIONS
Please add the most important publications and highlight those related to the subject of the proposed research project (if any).
▪ Title, Author(s), Journal, Volume, Pages, Year, DOI (Number and Link)
▪ *Insert row below to add information*

CONFERENCES/WORKSHOPS/etc.
National, international scientific conferences, workshops, summer schools, educational seminars, etc. in chronological order, starting with the most recent.
▪ Conference Name, Title, Date, Location
▪ *Insert row below to add information*
▪ ..

MEMBERSHIPS & REVIEWING ACTIVITIES (*if applicable*)

yyyy - yyyy	*Evaluator, Name of University/Institution/Country*
yyyy - yyyy	*Member, Name of Research Network, etc.*
yyyy - yyyy	*Insert row below to add information*

RESEARCH GRANTS *(if applicable)*

Please add indicative research projects (international or national) in which Leader 1 has participated or participated (in any role).

Project Title	***Funding source***	***Period***	***Role of the PI***

OTHER *(if applicable)*

Please provide any additional information you consider relevant and are not included above

Please write your text here

LEADER 2 CURRICULUM VITAE

Please add information by coping the tables above for each Collaborating Organization leader (if applicable)

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(Horizontal support of all Sciences)
Sub-action 2
Funding Projects in Leading-Edge Sectors
PART B2.1

PART B2.1 RESEARCH PROPOSAL

(max. 16 pages including cover page and references)

Proposal Title
Proposal Acronym

- **Principal Investigator** (Name/Surname):
- Thematic Area:
- Topic of scientific, technological and social/financial interest (*please see Call Appendix*):
- Subfield (*if applicable*):
-
- Project Duration (in months):
- Total Budget (€):
- Host Institution:
- Cooperating Organization(s): (*if applicable*)

1. EXCELLENCE, STATE-OF-THE-ART AND OBJECTIVES

Indicative fields should include:
- *Relevance with the Thematic Area*
- *Proposal objectives and necessity/challenges*
- *State-of-the-art & Innovation*
- *Scientific and/or social impact*

Please write your text here

2. METHODOLOGY AND IMPLEMENTATION

Indicative fields should include:
- *Research Methodology*
- *Work Plan*
- *Research Team*

2.1 Research Methodology

Please write you text here…

2.2 Work Plan (Work Packages, Gantt Chart, Deliverables and Milestones Table, Table of Risks and Contingency Plan}

Please include the following:
- Brief outline of the overall work plan.

- Description of each Work Package (WPs).
- Tables of Deliverables and Milestones.
- Table of Risks and Contingency Plan.
- Timeline/timetable of the different work packages and their components (Gantt Chart).

2.2.1 Brief outline of the overall work plan

Please write your text here…

2.2.2 Description of each Work Package (WPs)

Indicative Table for the description of each Work Package.
*[**Important:** Please include a Project Management and a Dissemination and Communication Management Work Package]*

WP Number:	**WP Title:**	
Starting Month:	**Ending Month:**	**Person Months (PMs):**
Objectives Description of Work Tasks Deliverables Milestones		

Copy table below to add information

2.2.3 Deliverables

Indicative deliverables: technical reports, research results, databases, new studies, interactive tools, e-learning tools, dissemination reports [peer-reviewed journals, publications in conference proceedings, books/chapters in books, lectures/conferences/workshops presentations, posters, patents etc.]

Deliverable Number	**Deliverable Name**	**Related WP**	**Type[12]**	**Dissemination Level[13]**	**Due Date (in months)[14]**

Copy table below to add information

[12] Please add one of the following types:
R = Report (document, including interim and final report)
DEM = Demonstrator (prototype, plan, etc.)
DEC = Publications, patents, etc.
Other
[13] Please add one of the following types:
PU = PUBLIC (public available)
CO = CONFIDENTIAL (available only to the research team and H.F.R.I.)
[14] *Please add the respective Project's delivery month.*

2.2.4 Milestones

Milestone Number	Milestone Name	Related WP	Due Date (in months)	Means of Verification

Copy table below to add information

2.2.5 Risks and Contingency Plan

Description of risk (indicate level of likelihood: Low/Medium/High)	WPs involved	Proposed risk – Mitigation measures
	Insert row below to add information	

2.2.6 Timeline/timetable of the different work packages and their components (Gantt Chart)

Insert Gantt Chart here

2.3 Research Team

Describe the specific roles of the Research Team members in the implementation of the project. The involvement of all members of the Research Team, as well as the involvement of the Collaborating Organizations (if applicable) has to be fully justified, with emphasis on the scientific added value they bring to the project.

3. BUDGET

3.1 Host Institution budget and justification

Please complete/modify the following table(s) to include all costs of the proposed project for the Host Institution and for each Collaborating Organization – H.F.R.I. Beneficiary (if applicable). In addition, justify the proposed costs per category.

Cost Category	Restrictions
DIRECT COSTS	
Personnel costs[1] (PI and Research Team members)	**≥ 50% of HI budget**
Consumables	-
Dissemination and Travel	-
Equipment (Depreciation value)	-
Subcontracting costs	**≤ 10% of HI budget**
Other costs	-
INDIRECT COSTS	**≤15% of personnel costs**
Total HI Budget	**€**

[1]*For personnel costs please refer to the terms described in Table 4 of the call.*

Budget justification

Please justify the proposed costs per category here

3.2 Collaborating Organization budget and justification

Add a table followed by a budget justification section for each Collaborating Organization – H.F.R.I. Beneficiary

Collaborating Organization [Name] Budget

Cost Category	Restrictions
DIRECT COSTS	
Personnel costs[1] (Leader and Research Team members)	**≥ 50% of Organization budget**
Consumables	-
Dissemination and Travel	-
Equipment (Depreciation value)	-
Subcontracting costs	**≤ 10% of Organization budget**
Other costs	-
INDIRECT COSTS	**≤15% of personnel costs**
(please write the name of the Collaborating Organization here) Total Budget	**€**

[1]*For personnel costs please refer to the terms described in Table 4 of the call*

Budget justification

Please justify the proposed costs per category

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PART B2.2

PART B2.2 RESEARCH TEAM MEMBERS' CVS

(max: 1 page/member)

Proposal Title
Proposal Acronym

- **Principal Investigator** (Name/Surname):
- Thematic Area:
- Scientific Field (*please see Call Appendix*):
- Subfield:
- Project Duration (in months):
- Total Budget (€):
- Host Institution:
- Cooperating Organization(s): (*if applicable*)

Number	Name	Affiliation (Host Institution or Collaborating organization)	Brief Role in the Project

Member Name:
It is completed for each Research Team Member (1 page per TM)

Copy table below to add more Research Team Memb

COLLABORATING ORGANIZATION "LETTER OF INTENT" INSTRUCTIONS

Letters of Intent are submitted only if relevant collaborations are described in the proposed research project. A "Letter of Intent" must be submitted for each one of the Collaborating Organizations.

In order for the "Letter of Intent" to be considered as valid, the official info of the organization should be included (i.e. logo, address) and also it should bear the signature and stamp (if applicable) of the **Legal Representative** of the Organization.

Additionally, in the text the following information must be included:

- The intention of the organization to collaborate with the Principal Investigator and the Host Institution for the implementation **of the specific project** (if funded) (reference to the title and the acronym of the Proposal, the PI and the Host Institution) under the framework of the "Basic Research Financing Action (Horizontal support of all Sciences)".
- Description of the type and the nature of the collaboration, including the persons of the Collaborating Organization involved.
- Reference of the equipment, infrastructures and/or other resources that will be used for the implementation of the project.