



FUNDING SCHEME

«RESTART 2016-2020» Programmes for Research, Technological Development and Innovation of the Research and Innovation Foundation

PROGRAMME

«Bilateral Collaborations»

CALL FOR PROPOSALS

BILATERAL/GREECE/1124



Co-funded by
the European Union



Republic of Cyprus



RESEARCH
& INNOVATION
FOUNDATION

INTRODUCTION

The Research and Innovation Foundation (RIF) announces the **“Bilateral collaboration Cyprus – Greece” Call for Proposals**, under the **“Bilateral Collaborations” Programme**, within the framework of the **“RESTART 2016-2020” Programmes for Research, Technological Development and Innovation** and invites potential beneficiaries to submit relevant Project Proposals (Proposals).

The present Call will be co-financed by the Republic of Cyprus and the European Regional Development Fund (ERDF), in the frame of the Operational Programme «ΘΑΛΕΙΑ» 2021-2027 under Priority 1: “Competitive, Smart and Digital Economy” and the Specific Objective (1i): “Developing and enhancing research and innovation capacities and the uptake of advanced technologies”.

GENERAL CALL INFORMATION

Pillar	I. SMART GROWTH
Programme	Bilateral Collaborations
Call Identifier	BILATERAL/GREECE/1124
Source of Funding	Operational Programme «ΘΑΛΕΙΑ» 2021-2027 European Regional Development Fund (ERDF)
Call Budget	2.000.000 Euro
Maximum Funding Per Project	100.000 Euro
Publication Date	20 November 2024
Submission Deadline	27 February 2025, 13:00 pm.

The English version of the Call, even though an official translation endorsed by the Research and Innovation Foundation, is provided for information purposes only. Only the Greek version of the Call is legally binding and shall prevail in case of any divergence in interpretation.

OBJECTIVES

The “Bilateral Collaborations” Programme aims at developing collaborations and networking of Cypriot organisations with organisations of a specific collaboration country through the implementation of joint research Projects in selected thematic areas of interest to both parts.

Specific targets and objectives:

- The development of collaborations between Cypriot organisations and leading European and/or international organisations.
- Expansion of the role and upgrade of existing bilateral agreements.
- The development of new bilateral agreements with countries of specific interest.

- Activation of general agreements - cooperation frameworks in matters of research and technological development through the promotion of joint programmes.
- Promotion of the participation of Cypriot organisations in international RTDI programmes.

The Cyprus – Greece joint Call for Proposals aims to promote and support collaboration between Greek and Cypriot scientists. The Funding Agency on the Greek side is the General Secretariat for Research and Innovation.

DESCRIPTION

The starting point for the “Bilateral Collaborations” Programme is the Bilateral Agreements or Cooperation Protocols signed by the Cypriot Government and the Government of another country. Usually, one of their fundamental provisions is the launch of a Joint Collaboration Programme in the areas of Research and Innovation which allows interested organisations from the two countries to submit proposals for the implementation of joint projects in selected thematic areas that reflect the common interests of the two parts.

The Research and Innovation Foundation for Cyprus, and another organisation/agency from the other country undertake the responsibility for implementing the provisions set by each Agreement or Cooperation Protocol.

In the frame of the Programme, it is expected that the supported projects apart from networking activities will also include research activities that serve the Priority Sectors of the S3Cy, including the H. Therefore, although it is possible to specify Thematic Areas within a Call for Proposals according to the provisions of the Agreement between the two countries, it should be in the frame that has emerged through the S3Cy.

Usually, in each Call for Proposals in the frame of the “Bilateral Collaborations” Programme, different evaluation, selection, funding and monitoring procedures may apply, depending on the provisions of the Agreement between the two countries.

The aim of the Cyprus – Greece joint Call for Proposals is to support the development of scientific and technological cooperation between Cypriot and Greek research organisations and enterprises, that employ highly skilled scientific personnel.

As the Programme is part of Pillar I - “Smart Growth”, proposed projects are expected to include activities in one of the following S3Cy Priority Sectors:

1	Digital Technologies
1.5.1	Development of innovative solutions based on software, IoT, big data analytics, AI and blockchain technologies to addresses social and economic needs in an urban environment in areas such as mobility, energy saving, safety, community, the 15-minutes city, citizens participation etc. Funding of this area explores synergies with the participation in DUT, which offers the opportunity to research

	teams to tap on high-quality research results and practices and apply them to the Cypriot urban environment.
3	Agrifood
3.1.1	<p>Develop products and services for farming, based on digital and data technologies. The local market for digital applications in farming is small due to the sector's low absorptive capacity, the small size of the farms, and the fragmentation of the cultivated land. However, despite its small size, the Cypriot market offers opportunities to local producers to test and improve their products before entering the vast and growing international market.</p> <p>The research will focus on developing applications integrating earth observation technologies, big data, IoT, sensors, IA and blockchain technologies for developing applications and services (TRL 5 to 8):</p> <ul style="list-style-type: none"> • for monitoring, protection and management of farms and aquafarms • for farm-to-fork applications such as tracing production origin and labelling of products, development of innovative, cost-effective and resource-efficient blockchain-based approaches to increase the traceability of agricultural products • for smart irrigation systems, precision agriculture and water management applications
3.3.1	Effects of climate change on the agrifood ecosystem and quantification of impacts on resource availability for sufficient production, food quality and safety.
3.3.2	Develop mitigation strategies.
4	Maritime and Shipping Ecosystems
4.2.1	Development of decarbonisation of ships services such as optimisation of energy sources..
5	Renewable energy
5.3.2	Innovations for energy efficiency in existing urban structures and exploitation of synergies with the DUT partnership.
7	Health
7.2.1	Use AI and big data, IoT, innovative diagnostic imaging approaches, VR/AR, HPC and blockchain technologies to develop products and services for health management, telemedicine, tele-examination, simulations and digitally assisted independent living.
7.3.1	Molecular diagnosis and development of specialised pharmaceuticals.
7.3.2	Development of innovative materials, cosmeceuticals και nutraceuticals.
7.3.3	Development of medical equipment and devices.

BENEFICIARIES

Research Organisations, Enterprises, Other Organisations

SPECIFIC RESTRICTIONS AND CONDITIONS FOR PARTICIPATION

The Cyprus Consortium should include at least one Enterprise (B1, B1.2, B3) **and** one Research Organisation (A.1, A.2) or other organisations (C1 - **Private Universities ONLY**).

The Host Organisation (HO) for the Cyprus Consortium can be a Research Organisation (Cat. A.1, A.2) or an Enterprise (Cat. B1, B.2, B.3) or Other Organisations (Cat. C.1, C.2).

Research Organisations (A.1, A.2), Enterprises (B.1, B.2, B.3) or Other Organisations (C.1, C.2) may participate as additional Partner Organisations in the Cypriot Consortium.

At least 40% of the project budget of the Cypriot Consortium must be allocated to Enterprises (Type B) that participate in the Consortium.

The Bilateral Consortium, in addition to the Cypriot participants, must include at least one Research Organisation/academic institution and one enterprise from Greece. It is noted that the Bilateral Consortium, which will be composed of Greek and Cypriot entities, it must consist of legal entities, independent of one another, none of them being under the direct or indirect control of the other or under the same direct or indirect control.

Participation of Large Enterprises (including Private Universities) is only permitted when an SME is also participating in the Cypriot Consortium, in accordance with EU Regulation 2021/1058 of the European Parliament and of the Council on the ERDF and the Cohesion Fund.

PROJECT ACTIVITIES

The Projects must include Industrial Research and/or Experimental Development.

Projects must fall within Technology Readiness Levels (TRL) 4-8 in compliance with the relevant definitions adopted by the EU¹.

Please note that dissemination activities are only eligible for Organizations of the Category A (Research Organisations) and C2 (Public Sector Organisations).

DURATION OF PROJECT IMPLEMENTATION

24 Months

BUDGET

€ 2.000.000

¹ The Technology Readiness Levels adopted by the EU are the following:

TRL 1 - basic principles observed,

TRL 2 - technology concept formulated,

TRL 3 - experimental proof of concept,

TRL 4 - technology validated in lab,

TRL 5 - technology validated in relevant environment,

TRL 6 - technology demonstrated in relevant environment,

TRL 7 - system prototype demonstration in operational environment,

TRL 8 - system complete and qualified,

TRL 9 - actual system proven in operational environment (competitive manufacturing in the case of key enabling technologies)

MAXIMUM FUNDING PER PROJECT

€100,000

ELIGIBLE COSTS

Personnel costs, Instruments and Equipment Costs, Costs for External Services, Costs for Travelling Abroad, Consumables, Other Specific Costs, Overheads.

It is noted that dissemination activities are only eligible for Organizations of the Category A (Research Organisations) and C2 (Public Sector Organisations).

The calculation of the Proposal Budget will be based on the simplified cost method “Personnel costs plus 40% on Personnel Costs for covering the rest of the Project costs”.

It is noted that, all beneficiaries that have not previously participated in the RESTART 2016-2020 Programmes, should make use of the simplified cost Method “Standard Scales of Unit Costs” for the calculation of personnel costs.

MANAGEMENT & EXPLOITATION OF INTELLECTUAL PROPERTY

Ownership of background and foreground Intellectual Property (IP), as well as relevant conditions for the use of IP, shall be settled accordingly through bilateral or other agreements among Consortium Partners. In the context of the implementation of the Project, the cooperating enterprises should be given the right to first refusal regarding the possibility of exploiting intellectual property rights.

RESTART 2016-2020 WORK PROGRAMME

All general rules and procedures for the participation of organisations and individuals, the eligible activities and costs, as well as the specific information regarding the “Cyprus Greece - Bilateral Collaboration” Programme, as well as the other RESTART 2016-2020 Programmes, are included in the **RIF’s Work Programme for the “RESTART 2016-2020” Programmes for Research, Technological Development and Innovation – Programmes for the Period 05/2022 – 12/2024**, which is the main reference document and an important information source for interested parties and can be found on the Research and Innovation Foundation’s **IRIS (Innovation Research Information System) Portal** (<https://iris.research.org.cy/#/documentlibrary>).

SPECIFIC CONDITIONS

- Each enterprise may participate in up to two (2) proposals cumulatively either as a Host Organisation or as a Partner.
- Once the Joint Committee’s selection decision is announced, Project Coordinators will have the right to submit a request for redress to RIF, regarding the procedure followed, within 10 calendar days via email (not through IRIS), as described in **Annex - Proposal Evaluation and Selection Process in the “Bilateral Collaborations” Programme**.
- In exceptional cases, a time extension of up to 6 months may be granted for the duration of the projects.
- All private law entities (Host Organisation and Partner Organisations) should submit to Competent National Registries updated data regarding their ultimate beneficial owners as per «The prevention and suppression of money laundering and terrorist financing Law of 2007 (188(I)/2007)». RIF reserves the right to carry out checks in the competent Registers and to request an official proof for the registration. Furthermore, during contract preparation, all private law entities are obliged to submit the Declaration of Beneficial Owners accompanied by the official proof of registration. In addition, all Private Law Entities applying for funding exceeding EUR 150.000 must also submit in the Declaration of Beneficiaries the details of their actual beneficiaries (Name, Identity Card/Passport Number and Date of Birth).
- Funded Projects should comply with the “Do No Significant Harm” principle, according to which they must not include or support activities that could cause significant harm to any of the six environmental objectives, as per Article 17 of Regulation (EU) No 2020/852, on the establishment of a framework to facilitate sustainable investment.

SUBMISSION

Participants must submit Project Proposals at national level, according to their country’s regulations, in order to secure funding from their respective national funding organisation.

Proposals for the Cypriot participants are submitted through the Research and Innovation Foundation’s **IRIS Portal** (<https://iris.research.org.cy>).

The Project Coordinator and all the local organisations participating in the Cypriot Project Consortium, should register in advance on the IRIS Portal.

Potential applicants are advised to read the “**Guide for Applicants**”, which contains guidelines and clarifications regarding the Submission procedure and the “**IRIS Portal User Manual**” which can be found on the IRIS Portal (<https://iris.research.org.cy/#/documentlibrary>).

The Research and Innovation Foundation encourages in all its Calls for Proposals:

- *the participation of women as Project Coordinators, and*
- *a gender-balanced participation in Projects.*

The Project Proposal consists of the following parts:

1. Part A – General Information & Budget (electronic form (fields) to be completed online through the IRIS Portal).
2. Part B – Technical Annex (document to be uploaded as an Annex on the IRIS Portal in PDF format). **Note:** *The template provided for this Call must be submitted **without any alterations**. The Part B template for this Call can be found on the IRIS Portal, under the relevant Call for Proposals (Call Documents).*
3. Annex I – Curricula Vitae (document to be uploaded as an Annex on the IRIS Portal in PDF format and includes the CVs of the Coordinator and the key personnel of the project team – **Optional Submission**). **Note:** *It is recommended that CVs are created according to the EUROPASS format and do not exceed 5 pages per person.*

Please note that if the requested documents are not submitted at the proposal submission stage, the proposal will not be forwarded for scientific evaluation.

PROJECT SELECTION

Evaluation Procedure

For the evaluation of Proposals to be submitted under this specific Call for Proposals, each country follows an independent and separate procedure.

A Proposal Eligibility Check and a remote scientific evaluation procedure by one (1) independent evaluator, as described in the RESTART 2016-2020 Work Programme, will be performed by the RIF. **It is noted that, in case the requested documents are not submitted at the Proposal submission stage, then the proposal will not be forwarded for scientific evaluation.**

Before scoring each proposal according to the evaluation criteria, the following will be considered:

- (a) the Objectives of the Programme, and the Call for Proposals, and
- (b) the selected S3Cy priority sector/sub-sector, and
- (c) the “Do No Significant Harm” principle, and

the compatibility of the proposed type(s) of research with the proposed Technology Readiness Levels (TRLs) and those allowed by the Call for Proposals.

The evaluator will not proceed with the assessment of the evaluation criteria should the Proposal fail the compatibility assessment.

Evaluation Criteria

1. Excellence – Weight 40%

- 🟡 Quality of Project Objectives.
- 🟡 Degree of Project Innovation and Originality in relation to the existing knowledge (state-of-the-art) at international level.

- ⬡ Soundness, credibility and feasibility of the proposed concept.
- ⬡ Justification for the selection of the involved research teams, particularly the Collaboration Country Organisation(s) (CCO).
- ⬡ Degree of collaboration between partners from the two countries.
- ⬡ Relevance of the proposed research activities (industrial research, experimental development) with the Project's and Call's objectives.

2. Added Value and Benefit – Weight 30%

- ⬡ Scientific and/or technological and/or social and/or economic impact at national and international level and measures to maximize it.
- ⬡ Effectiveness of the proposed measures for the exploitation and dissemination of results for achieving maximum Project visibility (including the management of intellectual property rights)..
- ⬡ Added value generated through this cooperation and prospects for further collaboration between the participating research teams.

3. Implementation – Weight 30%

- ⬡ Completeness and appropriateness of the proposed work, the allocation of the various activities, the timetable and the budget.
- ⬡ Effectiveness of the proposed methodology for the implementation of the deliverables.
- ⬡ Completeness, quality and capacity of the Consortium and the CCO(s) (qualifications / expertise / experience / available resources and infrastructures) for the joint qualitative implementation of the Project (at the level of Organisations and/or individuals) and achievement of the proposed objectives.
- ⬡ Suitability and adequacy of the proposed coordination and management activities, including identification and handling of potential risks.

Selection

The final selection of the Proposals to be funded will be made by the Joint Cyprus – Greece Committee, based on the evaluation results of both countries as following:

- the first ranked eligible proposal, out of the proposals belonging to the same Thematic Sector (Health, Renewable Energy and Smart Cities, Agri-Food and Digital Technologies) as shown in Annex I.

- the remaining eligible proposals, in order of score, until the total available Budget of the Call is exhausted.

Only proposals with an average score above-threshold 12.00/15.00 will be considered for selection by the Joint Cyprus – Greece Committee.

It is noted that from the Greek side, the final selection will also be made according to the regional distribution of public expenditure.

INFORMATION – CONTACT DETAILS

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The Research and Innovation Foundation may at its discretion, proceed to the extension or revocation of the present Call by applying the same publication procedure.

Annex I

ΕΛΛΑΔΑ Περιοχή Παρέμβασης / Προτεραιότητα S3 GREECE Area of Intervention / Priority S3	ΚΥΠΡΟΣ Υπό-τομέας Προτεραιότητας / Περιοχή Εστίασης S3 CYPRUS Priority sub-sector / Focus area S3
Θεματικός Τομέας: ΥΓΕΙΑ Thematic Sector: HEALTH	
<p>05.01 Ανάπτυξη υπεργενόσημων προϊόντων, φαρμακευτικών προϊόντων υψηλής προστιθέμενης αξίας (added value medicines – χημικά μόρια, βιομοειδή, ραδιοφάρμακα, φαρμακευτικά προϊόντα φυσικής προέλευσης) και βελτιστοποίηση υφιστάμενων προϊόντων</p> <p>- 05.01.03 Νέα φάρμακα (μικρά μόρια και πεπτίδια, συνθετικής, φυτικής ή βιοτεχνολογικής – μικροβιακής προέλευσης, βιομοειδή), αξιοποίηση πειραματικών/υπολογιστικών προσεγγίσεων για την ταχεία διαλογή έναντι συγκεκριμένου μακρομοριακού στόχου, και προσδιορισμός σχέσεων δομής-λειτουργίας</p> <p>- 05.01.04 Φάρμακα προηγμένων θεραπειών (ATMPs) που βασίζονται σε mRNA, γονίδια, ιστούς ή κύτταρα</p>	<p>7.3 Καινοτόμα προϊόντα στους τομείς της διάγνωσης, των εξειδικευμένων φαρμακευτικών προϊόντων, των καλλυντικών και διατροφικών προϊόντων (nutraceuticals), του ιατρικού εξοπλισμού και των συσκευών</p> <p>- 7.3.1 Μοριακή διάγνωση και ανάπτυξη εξειδικευμένων φαρμακευτικών προϊόντων.</p>
<p>05.02 Ανάπτυξη συνδυαστικών προϊόντων (drug - device combination products), τεχνολογιών χορήγησης φαρμάκων και συνδυασμός τεχνολογιών σε στοχευμένες θεραπευτικές λύσεις</p> <p>- 05.02.02 Ανάπτυξη τεχνολογιών και συσκευών χορήγησης φαρμάκων</p> <p>- 05.02.03 Ανάπτυξη συνδυαστικών προϊόντων φαρμάκου-συσκευής με στόχο την παρακολούθηση της θεραπείας σε πραγματικό χρόνο, την ενίσχυση της φαρμακευτικής φροντίδας, και την ενίσχυση της συμμόρφωσης του ασθενούς</p>	<p>7.3 Καινοτόμα προϊόντα στους τομείς της διάγνωσης, των εξειδικευμένων φαρμακευτικών προϊόντων, των καλλυντικών και διατροφικών προϊόντων (nutraceuticals), του ιατρικού εξοπλισμού και των συσκευών</p> <p>- 7.3.3 Ανάπτυξη ιατρικού εξοπλισμού και συσκευών.</p>

<p>05.04 Φαρμακευτικά προϊόντα, λειτουργικά τρόφιμα, συμπληρώματα διατροφής & καλλυντικά βασισμένα σε πρώτες ύλες από ελληνικά φυτά (χερσαία & θαλάσσια), θαλάσσιους οργανισμούς και μικροοργανισμούς. Αξιοποίηση της ελληνικής βιοποικιλότητας. - 05.04.05 Μετατροπές-βιομετατροπές φυσικών προϊόντων για την βελτιστοποίηση των ιδιοτήτων τους (βιοδραστικότητα, φυσικοχημικές ή οργανοληπτικές ιδιότητες κλπ) για την ανάπτυξη νέων προϊόντων φαρμακευτικού, κοσμητολογικού ή διατροφικού ενδιαφέροντος - 05.04.06 Αξιοποίηση των Ελληνικών αρωματικών φυτών και φυσικών προϊόντων για την ανάπτυξη νέων καλλυντικοτεχνικών προϊόντων</p>	<p>7.3 Καινοτόμα προϊόντα στους τομείς της διάγνωσης, των εξειδικευμένων φαρμακευτικών προϊόντων, των καλλυντικών και διατροφικών προϊόντων (nutraceuticals), του ιατρικού εξοπλισμού και των συσκευών - 7.3.2 Ανάπτυξη καινοτόμων υλικών, καλλυντικών και διατροφικών προϊόντων (nutraceuticals).</p>
<p>05.05 Ηλεκτρονική Υγεία: Υπηρεσίες και Συστήματα για Ασθενείς / Πολίτες και Επαγγελματίες Υγείας - 05.05.03 Υπηρεσίες και συστήματα για την αποτίμηση και την υποστήριξη της υγιούς, ενεργού και ανεξάρτητης διαβίωσης ηλικιωμένων - 05.05.07 Συστήματα τηλεϊατρικής και υπηρεσίες διασυνδεδεμένης υγείας</p>	<p>7.2 Ψηφιακή υγεία, συμπεριλαμβανομένων τεχνολογιών τεχνητής νοημοσύνης, μεγάλων δεδομένων, μηχανικής μάθησης, διαδικτύου των πραγμάτων και blockchain για τη βελτίωση των υπηρεσιών υγείας, τη χρήση δεδομένων υγείας και τη λήψη αποφάσεων - 7.2.1 Χρήση τεχνολογιών τεχνητής νοημοσύνης και μεγάλων δεδομένων, του διαδικτύου των πραγμάτων, καινοτόμων προσεγγίσεων διαγνωστικής απεικόνισης, τεχνολογιών VR/AR, HPC και blockchain για την ανάπτυξη προϊόντων και υπηρεσιών διαχείρισης της υγείας, τηλεϊατρικής, τηλεξέτασης, προσομοιώσεων και ψηφιακά υποβοηθούμενης ανεξάρτητης διαβίωσης.</p>
<p>Θεματικός Τομέας: ΑΝΑΝΕΩΣΙΜΕΣ ΠΗΓΕΣ ΕΝΕΡΓΕΙΑΣ & ΕΞΥΠΝΕΣ ΠΟΛΕΙΣ Thematic Sector: RENEWABLE ENERGY SOURCES & SMART CITIES</p>	

<p>07.07 Έξυπνες κοινότητες/ πόλεις χαμηλής ενεργειακής κατανάλωσης και σχεδόν μηδενικών εκπομπών - 07.07.02 Τεχνολογίες και συστήματα εξοικονόμησης ενέργειας και πόρων καθώς και μείωσης εκπομπών σε επίπεδο κοινότητας ή/και πόλης</p>	<p>5.3 Ενεργειακή απόδοση σε αστικά περιβάλλοντα - 5.3.2 Καινοτομίες για την ενεργειακή απόδοση σε υφιστάμενες αστικές δομές και αξιοποίηση συνεργειών με την Ευρωπαϊκή Σύμπραξη “Driving Urban Transitions” (DUT).</p>
<p>07.08 Ενέργεια και Μεταφορές - 07.08.01 Ενέργεια και Ναυτιλία: Χρήση καυσίμων χαμηλού αποτυπώματος άνθρακα (συμπεριλαμβανομένης της πράσινης ηλεκτρικής ενέργειας) στη ναυτιλία και αντίστοιχες υποδομές σε λιμάνια και πλοία</p>	<p>4.2 Απαλλαγή των πλοίων από τις εκπομπές διοξειδίου του άνθρακα - 4.2.1 Ανάπτυξη της απαλλαγής των πλοίων από τις εκπομπές διοξειδίου του άνθρακα, όπως η βελτιστοποίηση των πηγών ενέργειας.</p>
<p>Θεματικός Τομέας: ΑΓΡΟΔΙΑΤΡΟΦΗ Thematic Sector: AGRIFOOD</p>	
<p>03.01 Βελτίωση προϊόντων πρωτογενούς παραγωγής - 03.01.05 Ολιστική διαχείριση (αντιμετώπιση των προκλήσεων της κλιματικής αλλαγής, βιολογική παραγωγή, βιο-δυναμικά και βιο-κυκλικά συστήματα, αξιοποίηση υπο-χρησιμοποιούμενων και παραπροϊόντων ελληνικών πρώτων υλών, πιστοποιούμενα συστήματα παραγωγής)</p>	<p>3.3 Μετριασμός των επιπτώσεων της κλιματικής αλλαγής στο αγροδιατροφικό οικοσύστημα - 3.3.1 Επιπτώσεις της κλιματικής αλλαγής στο αγροδιατροφικό οικοσύστημα και ποσοτικοποίηση των επιπτώσεων στη διαθεσιμότητα πόρων για επαρκή παραγωγή, ποιότητα και ασφάλεια των τροφίμων. - 3.3.2 Ανάπτυξη στρατηγικών μετριασμού.</p>
<p>03.05 Βιομηχανία Τροφίμων 4.0 - Τεχνολογίες Μεταποίησης - 03.05.02 - Αξιοποίηση αναδυόμενων/ σύγχρονων τεχνολογιών (π.χ. IoT, Blockchain, A.I., Big data) σε όλη την αγροδιατροφική αλυσίδα (Συστήματα: πρωτογενούς παραγωγής, μεταποίησης, τυποποίησης, σήμανσης, συσκευασίας, πιστοποίησης, αποθήκευσης, διανομής, ιχνηλασιμότητας, ενημέρωσης</p>	<p>3.1 Διαφοροποίηση και βελτίωση της ανταγωνιστικότητας του αγροδιατροφικού οικοσυστήματος μέσω της υποστήριξης της ανάπτυξης νέων προϊόντων και υπηρεσιών για τον γεωργικό τομέα, την αύξηση της ποιότητας και της θρεπτικής αξίας των τοπικών προϊόντων και τροφίμων και τη διαφοροποίηση της τοπικής παραγωγής με την ανάπτυξη νέων προϊόντων που βασίζονται σε γηγενείς υπερτροφές</p>

καταναλωτών):

- Αξιοποίηση των σύγχρονων τεχνολογιών (Blockchain, Internet of Things, Augmented Reality, Big data analytics, Machine learning etc.) για την εφαρμογή σύγχρονων συστημάτων ιχνηλασιμότητας, πιστοποίησης, αποθήκευσης και διανομής τροφίμων αλλά και συστημάτων ενημέρωσης των καταναλωτών.
- Χρήση αισθητήρων και υπηρεσιών Internet of Things και Data Analytics για την παρακολούθηση αποθηκών και διανομής (logistics) τροφίμων.
- Υλοποίηση υπηρεσιών ιχνηλασιμότητας και ψηφιακής πιστοποίησης από το «χωράφι στο ράφι» με ενσωμάτωση blockchain

- 3.1.1

Ανάπτυξη προϊόντων και υπηρεσιών για τη γεωργία, με βάση ψηφιακές τεχνολογίες και τεχνολογίες δεδομένων. Η τοπική αγορά ψηφιακών εφαρμογών στη γεωργία είναι μικρή λόγω της χαμηλής απορροφητικής ικανότητας του τομέα, του μικρού μεγέθους των αγροκτημάτων και του κατακερματισμού της καλλιεργούμενης γης. Ωστόσο, παρά το μικρό της μέγεθος, η κυπριακή αγορά προσφέρει ευκαιρίες στους τοπικούς παραγωγούς να δοκιμάσουν και να βελτιώσουν τα προϊόντα τους πριν εισέλθουν στην τεράστια και αναπτυσσόμενη διεθνή αγορά. Η έρευνα θα επικεντρωθεί στην ανάπτυξη εφαρμογών που ενσωματώνουν τεχνολογίες παρατήρησης γης, μεγάλα δεδομένα, IoT, αισθητήρες, τεχνολογίες IA και blockchain για την ανάπτυξη εφαρμογών και υπηρεσιών (TRL 5 έως 8):

- για παρακολούθηση, προστασία και διαχείριση των αγροκτημάτων και των υδατοκαλλιεργειών
- για εφαρμογές «από το αγρόκτημα στο πιάτο», όπως ο εντοπισμός της προέλευσης της παραγωγής και η επισήμανση των προϊόντων, η ανάπτυξη καινοτόμων, οικονομικά αποδοτικών και αποδοτικών ως προς τη χρήση των πόρων προσεγγίσεων που βασίζονται στις αποκεντρωμένες τεχνολογίες (blockchain) για την αύξηση της ιχνηλασιμότητας των γεωργικών προϊόντων
- για έξυπνα συστήματα άρδευσης, γεωργία ακριβείας και εφαρμογές διαχείρισης νερού

Θεματικός Τομέας: ΨΗΦΙΑΚΕΣ ΤΕΧΝΟΛΟΓΙΕΣ
Thematic Sector: DIGITAL TECHNOLOGIES

06.02

Ανάπτυξη ευφυών υποδομών και συστημάτων και υπηρεσιών υποδομών

- 06.02.01

Χρήση νέων τεχνολογιών στις υποδομές για την αύξηση της οδικής ασφάλειας και της απόδοσης, με εφαρμογές ενσωματωμένων (embedded) συστημάτων στις κατασκευές οδικών στοιχείων π.χ. σημάτων και διαγραμμίσεων για αποτελεσματικότερη επικοινωνία με τους οδηγούς.

06.03

Πράσινες Μεταφορές - Αειφορία και βιωσιμότητα στις μεταφορές

- 06.03.04

Ανάπτυξη μοντέλων προσομοίωσης και μελέτης της δομής και λειτουργίας των αστικών δικτύων για την υλοποίηση συστημάτων και υποδομών έξυπνης κινητικότητας

1.5

Εφαρμογές έξυπνων πόλεων

- 1.5.1

Ανάπτυξη καινοτόμων λύσεων βασισμένων σε λογισμικό, IoT, ανάλυση μεγάλων δεδομένων, AI και αποκεντρωμένες τεχνολογίες (blockchain) για την αντιμετώπιση κοινωνικών και οικονομικών αναγκών σε ένα αστικό περιβάλλον σε τομείς όπως η κινητικότητα, η εξοικονόμηση ενέργειας, η ασφάλεια, η κοινότητα, η πόλη των 15 λεπτών, η συμμετοχή των πολιτών κ.λπ. Η χρηματοδότηση αυτού του τομέα διερευνά συνέργειες με τη συμμετοχή στην Ευρωπαϊκή Σύμπραξη “Driving Urban Transitions” (DUT), που προσφέρει την ευκαιρία σε ερευνητικές ομάδες να αξιοποιήσουν υψηλής ποιότητας ερευνητικά αποτελέσματα και πρακτικές και να τα εφαρμόσουν στο κυπριακό αστικό περιβάλλον.

Annex II

Proposal Evaluation and Selection Process in the “Bilateral Collaborations” Programme

1. After the deadline for submission of proposals, the two cooperating national funding agencies exchange tables containing the proposals submitted to each country for preliminary check purposes. Only proposals passing the preliminary check procedure by both national agencies are forwarded for scientific evaluation.
2. The national agencies carry out separate evaluation procedures, in accordance with each country's national regulations and the evaluation criteria published in the Call for Proposals. Only proposals submitted in both countries are evaluated.
3. Each national funding agency draws up its own proposals ranking list according to the scores received by each proposal during the evaluation.
4. The national agencies exchange their proposals ranking lists before the meeting of the Joint Committee of the two countries.
5. Only proposals deemed eligible under national regulations in both countries will be forwarded to the Joint Committee for final selection (this refers to proposals with an evaluation score of at least 12.00/15.00).
6. At the Joint Committee meeting, representatives of the cooperating national funding agencies will:
 - i. establish a joint proposal ranking list in accordance with the average score obtained by the proposals (*only the eligible ones*) in the separate evaluations of the two countries,
 - ii. select the proposals to be funded¹ according to:
 - the joint proposal ranking list, and
 - the available budget until its exhaustion, and
 - iii. summarise the rationale behind the selection of the Joint Committee.
7. In case of proposals with equal score, if there is no available budget to fund all of them, the selection of the Joint Committee will be taken according to the following tie criteria:
 - i. In order of the average score received in the “Excellence” criterion.
 - ii. If proposals are still tied, in order of the average score received in the “Added Value and Benefit” criterion.
8. The national agencies will:
 - i. announce the preliminary results (Joint Committee selection and joint proposals ranking list without score but with a funding decision), and
 - ii. send to the GSRI / RIF Project Coordinators² an email with an attached letter announcing the result, without the Evaluation Report.
9. PCs will have the right to submit a request for redress to their respective funding agency, regarding the procedure followed, within 10 calendar days to RIF³.
10. A Joint Redress Committee will be set up to examine only those requests for redress that have been submitted to both national funding agencies.
11. In case a breach of the foreseen evaluation process is substantiated, the two cooperating national funding agencies will take the necessary corrective actions.
12. The outcome of the Joint Redress Committee decision shall be communicated to the PIs / PCs by the national funding agencies, with the obligation to disseminate it to the rest of the partners of the proposal(s).

² Relevant information will also be sent to the Legal Representatives (LRs)

³ Redress requests will be submitted by email (not through the IRIS platform)

13. The final results will be announced.