**NEXT GENERATION EU – PNRR – M4C2 - Linea di Investimento 1.5: Creazione e Rafforzamento di “Ecosistemi dell’Innovazione per la sostenibilità”, costruzione di leader territoriali di R&S - PROGETTO:** **ECS\_00000041 “Innovation, digitalisation and sustainability for the diffused economy in Central Italy – VITALITY”**

**CUP:** **J97G22000170005**

Disclaimer: the following English version of the public selection notice D.D. 34/2024, is provided here with the solo purpose of helping foreign applicants to participate to the call. For any interpretation issue, please refer to the Italian version D.D. 34/2024.

**PUBLIC SELECTION NOTICE FOR THE AWARDING OF A SCIENTIFIC CONSULTANCY ASSIGNMENT**

**SPOKE 9**

Deadline for submitting applications:

31/3/2024

**The Department Director**

**Having seen** the art. 7 paragraph bis and 6 of Legislative Decree 30 March 2001, n. 165, as amended by Legislative Decree 25 May 2017, n. 75, according to which public administrations, for specific needs which they cannot meet with staff in service, can exclusively confer individual assignments, of a temporary and highly qualified nature, with independent employment contract to experts with particular and proven specialization, including university ones, without prejudice the cases expressly provided for;

**Having seen** the aforementioned art. 7 co. 6, Legislative Decree 165/2001, provides that the object of the service must correspond to the skills attributed by the regulations of the conferring administration, to specific objectives and projects and must be consistent with the functional needs of the same;

**Given that** the art. 7 paragraphs 6 and 6-bis, Legislative Decree 165/2001, prescribes that the administrations, after verifying the objective impossibility of using the human resources available internally, make public comparative procedures for the assignment of tasks according to their own regulations of collaboration;

**Having seen** the circular prot. 147808 of 11 August 2017;

**Having seen** Legislative Decree 11.04.2006, n. 198 containing the “Code of equal opportunities between men and women”;

**Having regard** to EU Regulation 2020/2094 of the Council of 14.12.2020, which establishes an extraordinary support instrument of the European Union, to support the recovery of the economy after the COVID-19 crisis;

**Having regard** to Regulation (EU) 2021/241 of the European Parliament and of the Council of 12.02.2021, establishing the recovery and resilience mechanism;

**Having seen** Article 17 of EU Regulation 2020/852, which defines environmental objectives, including the principle of "Do no significant harm" (DNSH), and the related Communication from the European Commission C (2021) 1054 final of 12.02.2021, containing "Technical guidelines on the application of the "do not cause significant harm" principle pursuant to the regulation on the recovery and resilience mechanism";

Piano Nazionale di Ripresa e Resilienza (PNRR)

**Having seen** the National Recovery and Resilience Plan (PNRR) positively evaluated with the decision of the ECOFIN Council of 13.07.2021 notified to Italy by the General Secretariat of the Council with note LT161/21 of 14.07.2021;

**Having seen** Directorial Decree no. 1057 of 06.23.2022, with which the application for funding was admitted to financing, presented by the Ecosystem “Innovation, digitalisation and sustainability for the widespread economy in Central Italy”, marked by the identification code ECS\_00000041, for the implementation of the Research Program and Innovation entitled “Innovation, digitalisation and sustainability for the widespread economy in Central Italy – VITALITY”;

**Considering that** the Department of Physics and Geology is involved in the PNRR project “Innovation, digitalisation and sustainability for the widespread economy in Central Italy – VITALITY” – Spoke 9 (Nanostructured materials and devices) – Mission 4 Education and research – Component 2 From research to business – Investment 1.5: Creation and Strengthening of “Innovation Ecosystems for Sustainability”, construction of territorial R&D leaders - PROJECT CODE: ECS\_00000041 - CUP: J97G22000170005 –- PI: Prof. Luca Gammaitoni, financed by the European Union – NextGenerationEU;

**Considering that** in the context of the aforementioned Project, the need has emerged to acquire a temporary and highly qualified independent work service from an expert with a particular and proven specialization, including university ones, having as its object what is indicated in this notice;

**Considering that** the involvement of highly qualified personnel responds to the objective of the research structure and contributes to its development with a view to achieving the set objectives of the project;

**Having seen** the resolution of the Department Council adopted on 13 February which, having highlighted the aforementioned need, approved the selection procedure in question;

Financial coverage has been ascertained for the PNRR Project “Innovation, digitalisation and sustainability for the widespread economy in Central Italy – VITALITY” SPOKE 9 - PROJECT CODE: ECS\_00000041 - CUP: J97G22000170005 – PJ: Vitality\_Spoke9 Macroitem: Consultancy Item COAN: CA.04.09. 08.07.01 - PI: Prof. Luca Gammaitoni - funded by the European Union – NextGenerationEU.

**DECLARES**

**Art. 1 – Purpose of the selection**

The consultancy will be assigned to experts with particular and proven specialisation, including university ones, and will have as its object the services referred to in the art. 2 of this notice. Both employees with an employment relationship and external parties can participate in the selection. The task will be assigned to an external party through the stipulation of an independent employment contract.

External candidates will be selected only if there are no suitable employees.

**Art. 2 – Object of the contract**

The purpose of the assignment is to offer scientific consultancy to the research activities developed by Spoke 9 (Nanostructured materials and devices) on the relevant topics, both through the proposal of new experimental methodologies and the introduction of new theoretical approaches. Specifically, consultancy is required on the following topics:

**Activity line M71** Design, production, and Characterization of nanomaterials

**Task 1.1** Design of innovative nanomaterials

**Task 1.2** Production of innovative nanomaterials

**Task 1.3** Characterization of innovative nanomaterials

**Activity line M72** Innovative devices and systems based on nanomaterials for industrial applications

**Task 2.1** NEMS/MEMS devices and systems

**Task 2.2** Energy aimed applications

**Task 2.3** Information and Communication devices for classical and quantum computing

**Activity line M73** Graphene & Carbon-based nanomaterials

**Task 3.1** Graphene and material with low dimensionality

**Task 3.2** Carbon-based materials

**Task 3.3** Micronization processes

**Art. 3 – Duration and amount of the contract**

The consultancy service must be performed in the period between 15.04.2024 and 30.06.2025. Each assignment will last between a minimum of 1 and a maximum of 5 working days (Saturdays and Sundays excluded), excluding travel, to be spent at the premises of the University of Perugia. Each assignment includes a compensation of €800.00 per day (plus VAT if requested), in addition to a reimbursement of travel expenses, upon presentation of supporting documentation, up to a maximum of €400.00 for trips originating in Italy and €1,000.00 for trips originating outside Italy, as per the resolution of the Department of Physics and Geology of 13 February 2024.

The service is carried out in full autonomy also in terms of the organization of the activity and without subordination. This announcement makes available a total amount of €60,000 (sixty thousand/00) for consultancies to be awarded by Spoke 9.

**Art. 4 – Legal, fiscal, social security**

The relationship referred to in this contract is a self-employment contract regulated by art. 2222 and following of the Codice Civile.

If the service covered by the assignment is carried out by the winner in the exercise of his profession, the relevant tax and social security regime will apply.

Otherwise, upon disbursement of the compensation, the Client will make a withholding tax on the self-employed worker as an IRPEF advance according to the progressive brackets on the compensation itself, as provided for in the art. 24, Presidential Decree 29 September 1973 n. 600.

In this case, the compensation will be subject to the INPS contribution according to law no. 335/1995. It remains understood that any tax, social security, or other charges resulting from this deed will be borne by the self-employed worker and the client according to the terms and methods established by law.

Where due, the cost of the “imposta di bollo” to be applied on the receipt or invoice remains the responsibility of the self-employed worker.

**Art. 5 – Objectives of the consultancy**

The purpose of the scientific consultancy service for the research activities developed by Spoke 9, is to encourage the development of highly innovative solutions regarding the topics of the research concerned, as defined in the Art. 2, both through the proposal of new experimental methodologies and through the introduction of new theoretical approaches. The activities carried out must be documented by a specific technical report, to be completed no later than 30 days from the completion of the consultancy, which will be subject to evaluation by the scientific manager of the project.

**Art. 6 – Who may apply**

Under penalty of exclusion from the selection, only those who, at the date of submission of the application, meet the admission requirements referred to in art. 7 of this notice, may apply.

**Art. 7 – Necessary admission requirements**

Are eligible to participate the candidates who, at the deadline of the present tender, meet the following requirements:

- Have a University Master's/Specialist degree or an equivalent qualification regarding topics related to Spoke 9 activities.

- Have proven and documented high professional experience and scientific competence, on the topics defined in the Art. 2.

**Art. 8 – Application form and submission deadline**

The application for participation, drawn up according to the template attached to this notice (Annex 1) and accompanied by the required documentation, must be received no later than 1.00 pm on 31/3/2024, under penalty of exclusion, sent via certified email, at: dipartimento.fisgeo@cert.unipg.it. The email must have as its subject the following wording "name and surname - incarico di consulenza scientifica progetto Vitality: Bando D.D. n.34/2024 del 20.02.2024”.

Applications to participate in the competition are eligible if:

- received within the deadline;

- drawn up on a specific form attached to this notice, completed in all its parts and signed;

- presented by the eligible subject as per art. 7 of this notice;

- consistent with the methods and topics indicated by the art. 2 of this notice.

**Art. 9 – Documentation to be submitted**

The application, drawn up on plain paper using the application form attached to this notice (Annex A), must be signed and accompanied by the following documents:

• Curriculum vitae of the applicant;

• Photocopy of a valid identification document.

The presentation of incomplete documentation or the lack of the required requirements will result in automatic exclusion from the competition.

**Art. 10 – Judging commission**

The Commission, appointed by Decree of the Director of the Department of Physics and Geology, is composed by three members, one of which acts as President, experts in the subjects relating to the professionalism required.

**Art. 11 – Selection criteria**

The judging commission will proceed to draw up a list of appointees on the basis of the evaluation, which will take into account the degree of excellence in the specific competence of the candidates, as can be deduced from the scientific curriculum vitae. The list will contain the name of the candidate and the number of days assigned for the consultancy, as well as the overall approved expense, so that the total expense does not exceed the amount provided for by the art. 1 of this notice. Being excluded from the list does not give the right to scroll if some of the candidates proposed for the position renounces.

**Art. 12 - Contract**

The winning candidates will be invited to sign the contract for the provision of intellectual work, in compliance with current regulations. The amount for the consultancy service is indicated in the contract, gross of the charges required by the law, borne by the University and the provider. The liquidated sum is paid in a single instalment, at the end of the consultancy service, upon presentation of the documentation certifying the fulfillment of the task itself and the required tax documentation.

**Art. 13 – Publicity of the selection results**

The results will be made public through publication on the University website www.unipg.it, on the Department of Physics and Geology www.fisica.unipg.it and on the Unipg Vitality Ecosystem website vitality.unipg.it by 15/ 04/2024.

**Art. 14 – Final provisions**

The data that the University comes into possession of, during this procedure, will be processed in compliance with Legislative Decree 196/2003 and subsequent amendments.

Perugia, 20 February 2024

**The Director of the Department**

**of Physics and Geology**

**F.to** **Prof. Diego Perugini**

**Allegato 1**

**APPLICATION FORM**

SUBSTITUTE DECLARATION OF CERTIFICATION

(ART. 46 DPR 28.12.2000 N. 445)

SUBSTITUTE DECLARATION OF NOTATORY DEED

(ART. 47 DPR 28.12.2000 N. 445)

To the Director

of the Department of Physics and Geology

Università degli Studi di Perugia

Prof. Diego Perugini

object: **public selection notice for the assignment of a scientific consultancy role - Notice referred to in the D.D. 34/2024 of 02.20.2024.**

The undersigned ................................................................................................................................................

Born in ……..……............................................................................... on (date) …………………….…………

Codice Fiscale (if available).……………………………………………………………………….

Place of residence: Country: .............................. City .......…………………………………………………………………………

Street…………………………………………………………………………n.…… ZIP Code..........................

Certified email (if available) …………………………………………………………………………………………………..………………………….

e-mail ............................................................................... tel.....................................................................;

Scientific contact within the Vitality project (if existing): ……………………………………….………………………………………..

Asks

to be admitted to participate in the call for the award of n. 1 scientific consultancy assignment for a total of n. ……… days (indicate how many days). The journey originates in Italy |\_| outside Italy |\_| (indicate which one).

The consultancy service will be exercised on the themes of Spoke 9 and specifically on the theme (indicate the reference Task (see vitality.unipg.it/organizzazione-della-ricerca) and an exemplary title of the proposed theme).

Task: ……………… Title ………………………………………………………………………………………………………… ……………………….

Indicate a short abstract of max 400 characters, in Italian or English:

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DECLARE under his/her own responsibility

* to have the academic degree .........................................................................................................................

Issued by the following institution ................................................................................. on (date) …………..….

The processing of personal data required by this announcement is aimed exclusively at all activities related to the selection. The information, provided pursuant to art.13 of EU Regulation 2016/679 – General Data Protection Regulation, is available at the following address: https://www.unipg.it/protezione-dati-personali/informative;

- to have seen and accepted all the rules contained in this notice;

- to have not suffered any convictions against the public administration with sentences passed in court.

The undersigned attaches:

- Curriculum Vitae;

- Photocopy of an identification document;

The undersigned, aware of the criminal sanctions provided for in case of false declaration, as established by the art. 76 of the Presidential Decree. 28.12.2000 n. 445 declares, under its own responsibility, that the above statements are true. Without prejudice to the provisions of art. 76 of the Presidential Decree. 28.12.2000 n. 445, if the above checks reveal the untruthfulness of the content of the declaration, the declarant will lose any benefits obtained as a result of the provision issued on the basis of the untruthful declaration.

Place and date ………………………………………………………

(Signature)

……………………………………………………………………..