

Allegato B: modello di “*Scheda Tecnica*”

Ministero dell'Università e della Ricerca
Direzione generale dell'internazionalizzazione e della comunicazione

Avviso pubblico per la presentazione di proposte progettuali per “*Rafforzamento e creazione di Infrastrutture di Ricerca*” da finanziare nell'ambito del PNRR

Missione 4, “*Istruzione e Ricerca*” - Componente 2, “*Dalla ricerca all'impresa*” -
Linea di investimento 3.1, “*Fondo per la realizzazione di un sistema integrato di infrastrutture di ricerca e innovazione*”,
finanziato dall'Unione europea - NextGenerationEU

REFORMS AND INVESTMENTS UNDER THE RECOVERY AND RESILIENCE PLAN
NextGenerationEU

Call for proposals

Intervention field 6: Investment in digital capacities and deployment of advanced technologies
DESI dimension 4: Integration of digital technologies + ad hoc data collections
055 - Other types of ICT infrastructure (including large-scale computer resources/equipment, data centres, sensors and other wireless equipment)

Mission 4 – “Education and Research”
Component 2: from research to business

Investment 3.1: “Fund for the realisation of an integrated system of research and innovation infrastructures
Action 3.1.1 “Creation of new research infrastructures, strengthening of existing ones and their networking for Scientific Excellence under Horizon Europe

Annex B

Full Proposal template for 2022CALL_PNRR:M4/C2/L3.1.1 (technical annex), pursuant to Article 9 paragraph 10 of the call for proposals

(To be provided in English only)

Disclaimer

This document is aimed at informing potential applicants for Call1-PNRR funding. It serves only as an example. The actual Web forms and templates, provided in the online proposal submission system under the online proposal submission system, might differ from this example. Proposals must be prepared and submitted only via the online proposal submission system.

Annex B - Part 1

All information that are requested in this part of this document must be provided **ONLY** online
(Web address will be provided before the opening of the call)

a) APPLICANT

(The information provided in this section will be evaluated with reference to criteria A.3 and A.5)

1 Legal name; Tax code; VAT number, Legal address

(insert text in the webform fields)

2 Legal representative: personal data and contacts

(insert text in the webform fields)

3 Management and research structure

(insert text in the webform field - max 2000 characters)

4 Financial Management System

Provide evidence of the existence of an adequate management structure, which implements a sound financial management system that complies with the relevant European legislation (in particular, pursuant to the provisions set out in point 20 of the Communication from the Commission 2014/C198/01 and the provisions of Article 71 of Regulation (EU) no. 1303/2013, in compliance with the Interministerial Decree No. 18/2012 and Ministerial Decree 19/2014, pursuant to article 5 of Law 240/2010, the beneficiaries (“Soggetti Attuatori”) shall maintain a separate accounting system for all transactions relating to an operation, shall make all documents available for inspection, shall provide information on the onset and completion of operations and shall provide all data required for the purpose of monitoring activities); furthermore said management system shall also comply with the provisions of Regulation (EU, EURATOM) 2018/1046 and with the provisions of Regulation (EU) 2021/241, in particular with provisions set out in article 22, regarding the prevention, detection and correction of fraud, corruption and conflicts of interests; furthermore, said management system shall also guarantee the correct allocation of data relevant to the monitoring the procedural, physical and financial progress of the project.

(insert text in the webform fields - max 4000 characters)

5 Specific skills of the applicant with respect to this proposal

(insert text in the webform fields- max 2000 characters)

6 Operating Unit(s) (OU(s)) directly involved in the project

6.1 Name, location, and contact person

i.e. institute, department, centre, laboratory, address, etc.

(insert text in the webform fields – numbering is automatically assigned)

6.2 Scientific-technological expertise and experience

Related to the project, including elements for the evaluation of site suitability with respect to the foreseen investments to be set at the OU

(insert text in the webform fields - max 4000 characters)

7 National and international collaborations.

(insert text in the webform field - max 2000 characters);

a) APPLICANT

(The information provided in this section will be evaluated with reference to criteria A.3 and A.5)

8 Scientific Coordinator of the project:

8.1 Personal data and contacts

(insert text in the webform fields)

8.2 Digitally signed CV

Europass format, clearly stating the following: employing institution, contractual status, rank, experience in the industrial/manufacturing sector and in the scientific field(s) of the project proposal as well as in the general context of the targeted research infrastructure(s)

(upload pdf file)

8.3 Appointment letter as scientific coordinator of the project

Digitally signed by the Legal representative of the applicant and any other delegation of duty and signatory power

(upload pdf file)

9 Financial Officer in charge of the project:

9.1 Personal data and contacts

(insert text in the webform fields)

9.2 Digitally signed CV, in Europass format, clearly stating the following: employing institution, contractual status, rank

(upload a pdf file)

9.3 Appointment letter as financial officer for the project

Digitally signed by the Legal representative of the applicant and any other delegation of duty and signatory power

(upload pdf file)

10 Manager of the infrastructure as per Article 1 of the call for proposals, provide:

10.1 Duties, expected profile and specific requirements

(insert text in the webform field - max 2000 characters)

b) CO-APPLICANT(S)¹

(The information provided in this section will be evaluated with reference to criteria A.3 and A.5)

11 Legal name; Tax code; VAT number, Legal address

(insert text in the webform fields)

12 Legal representative: personal data and contacts

(insert text in the webform field)

13 Management and research structure

(insert text in the webform field - max 2000 characters)

14 Financial Management System

Provide evidence of the existence of an adequate management structure, which implements a sound financial management system that complies with the relevant European legislation (in particular, pursuant to the provisions set out in point 20 of the Communication from the Commission 2014/C198/01 and the provisions of Article 71 of Regulation (EU) no. 1303/2013, in compliance with the Interministerial Decree No. 18/2012 and Ministerial Decree 19/2014, pursuant to article 5 of Law 240/2010, the beneficiaries (“Soggetti Attuatori”) shall maintain a separate accounting system for all transactions relating to an operation, shall make all documents available for inspection, shall provide information on the onset and completion of operations and shall provide all data required for the purpose of monitoring activities); furthermore said management system shall also comply with the provisions of Regulation (EU, EURATOM) 2018/1046 and with the provisions of Regulation (EU) 2021/241, in particular with provisions set out in article 22, regarding the prevention, detection and correction of fraud, corruption and conflicts of interests; furthermore, said management system shall also guarantee the correct allocation of data relevant to the monitoring the procedural, physical and financial progress of the project.

(insert text in the webform fields - max 4000 characters)

15 Specific skills of the applicant with respect to this proposal

(insert text in the webform field - max 2000 characters)

16 Operating Unit(s) (OU(s)) directly involved in the project

16.1 Name, location and contact person

i.e. institute, department, centre, laboratory, etc.

(insert text in the webform fields)

16.2 Scientific-technological expertise and experience related to the project

Including elements for the evaluation of site suitability with respect to the foreseen investments to be set at the OU

(insert text in the webform field - max 4000 characters)

17 National and international collaborations.

(insert text in the webform field - max 2000 characters);

18 Principal Investigator for the co-applicant:

18.1 Personal data and contacts

(insert text in the webform fields)

18.2 Digitally signed CV

¹ In case of “iii” Proposals, as per article 5 paragraph 3 of the Call, the agreement among applicant and coapplicant(s) requested in article 4 paragraph 2 of the Call is due only if all the IR(s) proposed for the network do not share the same “capofila”.

b) CO-APPLICANT(S)¹

(The information provided in this section will be evaluated with reference to criteria A.3 and A.5)

Europass format, clearly stating the following: employing institution, contractual status, rank
(upload pdf file)

18.3 Appointment letter as Principal Investigator

For the co-applicant for the project, digitally signed by the Legal representative of the co-applicant and any other delegation of duty and signatory power
(upload pdf file)

19 Administrative contact for the co-applicant:

19.1 Personal data and contacts

(insert text in the webform fields)

19.2 Digitally signed CV

In Europass format, clearly stating the following: employing institution, contractual status, rank
(upload pdf file)

19.3 Appointment letter as administrative contact for the project

Digitally signed by the Legal representative of the applicant and any other delegation of duty and signatory power
(upload pdf file)

c) PROJECT DESCRIPTION

(The information provided in this section will be evaluated with reference to criteria A1, A2, A.4, B.1-B.4)

20 **Project title and acronym**

(insert text in the webform field);

21 **Duration of the project (in months)**

(insert number in the webform field);

22 **Project type**

Specify Project type (as per article 5, paragraph 3 of the call)

(multiple choice menu: (i) strengthening of an existing RI among those listed in NPRI with medium or high priority; (ii) creation of a new RI among those listed in NPRI with medium or high priority; (iii.) networking of existing RIs among those listed in NPRI with medium or high priority)

23 **Research Infrastructure(s) targeted by the project**

Each RI can participate only to one proposal type (i) or (ii) pursuant to article 5, paragraph 3, of the call and can and participate to only one proposal type (iii)

(insert text in the webform fields);

24 **ESFRI domain proposal** *(automatically assigned as per the National Program of Research Infrastructure - NPRI)*

25 **“iii” proposal**

25.1 **Leading IR:**

In case of several IRs with the same “capofila”

(menu for RIs)

25.2 **Prevalent ESFRI domain:**

At least one RI shall belong to the prevalent domain

(menu for RIs belonging to the same ESFRI domain, the prevalent field is automatically assigned as that ESFRI domain)

26 **Free Keyword(s)**

(insert text in the webform fields – minimum 5 keywords maximum 10 keywords)

27 **Publishable Project abstract**

(insert text in the webform field: max 2000 characters)

28 **Extended Abstract**

Provide an abstract for the project addressing the following points:

- context analysis and state of the art;
- pre-project scenario;
- most important changes and how these will impact on the existing RI, or on the reference domain for a new RI, or on each RI in case of a networking project;
- proposed actions, their implementation and possible critical issues (to be detailed in the work breakdown structure in part B of the present proposal);
- post-project scenario and description of the upgraded research infrastructure;
- expected results and their impact:
proposals will be selected based on their strong scientific/technological/innovation leadership, their innovation potential (both in terms of open innovation/open data and for proprietary developments), their translational and innovation plans, the support from industry as users, the

c) PROJECT DESCRIPTION

(The information provided in this section will be evaluated with reference to criteria A1, A2, A.4, B.1-B.4)

strength of the business development activities, IP generation, clear rules for distinguishing open and protected output and licensing plans, their ability to develop and host doctorates, links with the venture or other types of funds to facilitate the development of new startups, the strength of their plans to proactively apply for EU calls, with dedicated personnel to support the preparation, and management of EU grants;

- with specific reference to the prevailing effect on the applicant(s) capabilities in terms of efficiency, excellence or diversification into new application domains. Expected results shall demonstrate the technical / scientific feasibility of advancing knowledge towards enabling state of the art technologies. This section shall be presented as a narrative, complemented by a list of Work Packages and Activities, Intermediate Objectives and expected Deliverables.

Detailed description of Work Packages and Activities as well as Intermediate Objectives and Deliverable shall be provided later in this document.

(insert text in the webform field (memo field): max 16000 characters)

29 Objectives and ambition

Describe the General Objective of the project and its rationale, highlight expected results in terms of innovation, performances, and technological solutions. Outline the project structure, the Work Packages and Specific Objectives and Work Packages interconnection.

(insert text in the webform field - max 8000 characters)

30 Project framework and main expected impact

Briefly describe the expected wider scientific, economic, and societal effects of the project. This may include, for instance: (i) attraction of capital and investments in the territory, (ii) attraction to new researchers from other territories, (iii) impact on the competitiveness of enterprises, promotion of scientific excellence, (iv) creation of knowledge and innovation, (v) contribution to technological development, (v) impact of the project in terms of spin-off effect on the territory and more generally on the reference application.

(insert text in the webform field - max 8000 characters)

31 Compliance/consistency with NRRP rules and constrains

See Part 2 of this document of this document

32 Total budget for the proposal

32.1 Entire Project costs

(This budgetary data will be produced automatically by the submission system following compilation of the work breakdown structure of the present proposal, later in this document. The following table serves as template only)

COSTS (€)			
ENTIRE PROJECT			
	Costs included in the request for funding		
	To be located within the eight southern Regions	To be located outside the eight southern Regions	Total requested grant
a. Fixed term personnel specifically hired for the project	<i>autofill</i>	<i>autofill</i>	<i>autofill</i>

c) PROJECT DESCRIPTION

(The information provided in this section will be evaluated with reference to criteria A1, A2, A.4, B.1-B.4)

b. Scientific instrumentation and technological equipment, software licenses and patent	<i>autofill</i>	<i>autofill</i>	<i>autofill</i>
c. Open Access, Trans National Access, FAIR principle implementation	<i>autofill</i>	<i>autofill</i>	<i>autofill</i>
d. Civil infrastructures and related systems	<i>autofill</i>	<i>autofill</i>	<i>autofill</i>
e. Indirect costs, including running costs	<i>autofill</i>	<i>autofill</i>	<i>autofill</i>
f. Training activities	<i>autofill</i>	<i>autofill</i>	<i>autofill</i>
Total	<i>autofill</i>	<i>autofill</i>	<i>autofill</i>

32.2 For each Work Package (Specific Objective), as per the following table²

(This budgetary data will be produced automatically by the submission system following compilation of the work breakdown structure of the present proposal, later in this document. The following table serves as template only)

COSTS (€)			
Work Package #			
	Costs included in the request for funding		
	To be located within the eight southern Regions	To be located outside the eight southern Regions	Total requested grant
a. Fixed term personnel specifically hired for the project	<i>autofill</i>	<i>autofill</i>	<i>autofill</i>
b. Scientific instrumentation and technological equipment, software licenses and patent	<i>autofill</i>	<i>autofill</i>	<i>autofill</i>
c. Open Access, Trans National Access, FAIR principle implementation	<i>autofill</i>	<i>autofill</i>	<i>autofill</i>
d. Civil infrastructures and related systems	<i>autofill</i>	<i>autofill</i>	<i>autofill</i>
e. Indirect costs, including running costs	<i>autofill</i>	<i>autofill</i>	<i>autofill</i>
f. Training activities	<i>autofill</i>	<i>autofill</i>	<i>autofill</i>
Total	<i>autofill</i>	<i>autofill</i>	<i>autofill</i>

32.3 For each project participant (Applicant and co-Applicants), see Part 2 of this document of this document

² Single type of expenses (type a. and e.) for the total requested grant shall satisfy cost limits as follows:

a. Fixed term personnel specifically hired for the project: max 20% of the total requested grant.

e. Indirect costs: max 7% of the total requested grant.

The submission system will keep track of these values during compilation.

d) PROJECT WORK BREAKDOWN STRUCTURE

(The information provided in this section will be evaluated with reference to criteria C1-C5)

The work plan required to achieve the final objectives must be organized in Work Packages (WPs).

A WP is identified as a set of activities aimed at achieving a Specific Objective of the project.

Each WP is then composed of one or more activity(s).

An activity is the basic element of the project, is assigned to one OU. An OU belonging to only one applicant/co-applicant (by definition).

Each activity has a description, a timing, the estimation of the resources needed, and its related costs³ as described hereafter.

The number of Work Packages should be proportionate to the scale and complexity of the project; resources assigned to work packages should be in line with their objectives and deliverables.

Enough detail in each work package shall be provided. These shall be appropriate for the assessment of the proposed allocation of requested resources.

A distinct WP on management is required.

The progress of the project is monitored by mean of the measurement of achievement of Intermediate Objectives (IOs) and their foreseen accomplishment date.

IOs act as project milestones and control points in the project that help to monitor progress. IOs may correspond to the completion of one or more key deliverables, allowing the next phase of the work to begin.

The schedule of Intermediate Objectives is to be synchronised to the project bimestre, in correspondence to the scientific and technical reporting prescribed by article 4, paragraph 5, subparagraph d of the call.

Pursuant to article 13, paragraphs 2 and 4, financial reporting shall be submitted every two months, provided that the Intermediate Objectives set in the consolidated proposal have been achieved. Hence only IO accomplishment triggers the financial reporting of the cost incurred in achieving said IO. No financial report is due when no IO is scheduled in the bimestre.

33 **Timing of the different work packages:** See Part 2

34 **WP inter-relation with other WPs:** See Part 2

35 **Costs Scheduling according with the Intermediate Objectives:** See Part 2

Each Work Package shall be described as follow:

33 **WP title**

(insert text in the webform field)

34 **WP number**

(insert text in the webform field)

35 **Start month** (relative to kick-off of the project) and **duration** (in month, max 30)

(insert integer numbers in the webform field)

36 **OU(s) participating to the WP**

(Choose OU form menu - number and name is automatically displayed)

37 **WP leader**

³ During the negotiation phase, as per call for proposal, article 10, comma 4, the proposal will be discussed in detail and changes in WP's WP activity and related costs may be affected.

d) PROJECT WORK BREAKDOWN STRUCTURE

(The information provided in this section will be evaluated with reference to criteria C1-C5)

(insert text in the webform fields – name and rank of individual and name of employing beneficiary)

38 Summary of the activities envisaged in the WP

(insert text in the webform field - max 8000 characters)

39 WP inter-relation with other WWPP (i.e. autonomous WP or dependence relation)

(structured field)

40 Most relevant outcome: See Part 2 of this document

41 List of WP deliverables that will be available according with the timing set by the Intermediate Objectives: See Part 2 of this document

42 Objective, quantitative, and measurable indicators relevant to the monitoring and ex-post assessment of the expected results: See Part 2 of this document

43 WP Intermediate Objectives: description and timing (corresponding to economic reporting scheduling): See Part 2 of this document

47 WP budget⁴ (IRAP are not an eligible cost, costs shall be input net value plus VAT value and ex-IRAP)

47.1 a.w Cost of fixed term personnel specifically hired for the project to be located within the eight southern regions

(insert net cost and VAT cost -if applicable - in € in the webform field)

(insert text in the webform fields with and estimation of number of personnel divided by rank/profile and their person months consistent with cost to ease the assessment by the Panel)

47.2 a.o Cost of fixed term personnel specifically hired for the project to be located outside the eight southern regions

(insert net cost and VAT cost -if applicable - in € in the webform field)

(insert text in the webform fields with and estimation of number of personnel divided by rank/profile and their person months consistent with cost to ease the assessment by the Panel)

47.3 b.w Scientific instrumentation and technological equipment, software licenses and patent to be located within the eight southern regions

(insert net cost and VAT cost -if applicable - in € in the webform field)

(insert text in the webform fields with and estimation of major items to ease the assessment by the Panel)

47.4 b.o Scientific instrumentation and technological equipment, software licenses and patent to be located outside the eight southern regions

⁴ Single type of expenses (type a. and e.) for the total requested grant shall satisfy cost limits as follows:

a. Fixed term personnel specifically hired for the project: max 20% of the total requested grant.

e. Indirect costs: max 7% of the total requested grant.

The submission system will keep track of these values during compilation.

d) PROJECT WORK BREAKDOWN STRUCTURE

(The information provided in this section will be evaluated with reference to criteria C1-C5)

*(insert net cost and VAT cost -if applicable - in € in the webform field)
(insert text in the webform fields with and estimation of major items to ease the assessment by the Panel)*

- 47.5 c.w Open Access, Transnational Access, FAIR principle implementation to be located within the eight southern regions
*(insert net cost and VAT cost -if applicable - in € in the webform field)
(insert text in the webform fields with and estimation of major items to ease the assessment by the Panel)*
- 47.6 c.o Open Access, Transnational Access, FAIR principle implementation to be located outside the eight southern regions
*(insert net cost and VAT cost -if applicable - in € in the webform field)
(insert text in the webform fields with and estimation of major items to ease the assessment by the Panel)*
- 47.7 d.w Civil infrastructures and related systems to be located within the eight southern regions
*(insert net cost and VAT cost -if applicable - in € in the webform field)
(insert text in the webform fields with and estimation of major items to ease the assessment by the Panel)*
- 47.8 d.o Civil infrastructures and related systems to be located outside the eight southern regions
*(insert net cost and VAT cost -if applicable - in € in the webform field)
(insert text in the webform fields with and estimation of major items to ease the assessment by the Panel)*
- 47.9 e.w Indirect costs, including running costs to be located within the eight southern regions
(insert net cost and VAT cost -if applicable - in € in the webform field)
- 47.10 e.o Indirect costs, including running costs to be located outside the eight southern regions
(insert net cost and VAT cost -if applicable - in € in the webform field)
- 47.11 f.w Training activities to be located within the eight southern regions
(insert net cost and VAT cost -if applicable - in € in the webform field)
- 47.12 f.o Training activities to be located outside the eight southern regions
(insert net cost and VAT cost -if applicable - in € in the webform field)

Each **Activity** foreseen in each Work Package shall be described as follow: see Part 2 of this document

Annex B - Part 2

All information that are requested in this part of this document must be provided as pdf file, filling up this template
(Editable format of this template and Web address where to upload it will be provided before the opening of the
proposal submission system)

- a) APPLICANT: see Part 1
- b) CO-APPLICANT(S): see Part 1

c) PROJECT DESCRIPTION

(The information provided in this section will be evaluated with reference to criteria A2, A3, B1, B.2, B.3 and B.4)

- 20 **Project title and acronym:** see Part 1 of this document
- 21 **Duration of the project (in months):** see Part 1 of this document
- 22 **Project type:** see Part 1 of this document
- 23 **Research Infrastructure(s) targeted by the project:** see Part 1 of this document
- 24 **ESFRI domain proposal:** see Part 1 of this document
- 25 **“iii” proposal**
 - 25.1 **Leading IR:** see Part 1 of this document
 - 25.2 **Prevalent ESFRI domain:** see Part 1 of this document
- 26 **Free Keyword(s):** see Part 1 of this document
- 27 **Publishable Project abstract:** see Part 1 of this document
- 28 **Extended Abstract:** see Part 1 of this document
- 29 **Objectives and ambition:** see Part 1 of this document
- 30 **Project framework and main expected impact:** see Part 1 of this document

c) PROJECT DESCRIPTION

(The information provided in this section will be evaluated with reference to criteria A2, A3, B1, B.2, B.3 and B.4)

31 Compliance/consistency with NRRP rules and constrains

31.1 Sustainability of the initiative

31.1.1 Awareness of project timing

Risk management and implementation strategies to assure project robustness

(max 3000 characters)

31.1.2 List of critical risks⁵

Provide a list of critical risks, relating to project implementation, that the stated project's objectives may not be achieved. Detail any risk mitigation measures. You will be able to update the list of critical risks and mitigation measures as the project progresses Indicate level of (i) likelihood, and (ii) severity; describe any risk mitigation measures

(max 4000 characters)

31.1.3 Economic and financial plan for the operation of the infrastructure(s) as resulting from the project, for at least ten years starting from the final payment

(max 4000 characters)

31.1.3.1 Managements Costs

Relating to the infrastructure(s) in its ex-post configuration	Person months	Estimated total amount in € in the 10 years starting from the final payment
- Administrative personnel	<i>fill</i>	<i>fill</i>
- Technical personnel	<i>fill</i>	<i>fill</i>
- utilities, insurance, and any taxation routinely charged to the infrastructure(s) (internet access, electricity, gas, water, garbage and special waste disposal, local taxes, etc.)		<i>fill</i>
- ordinary maintenance		<i>fill</i>
- extra-ordinary maintenance		<i>fill</i>
- consumables		<i>fill</i>
Total Running Costs		<i>fill</i>

31.1.3.2 Revenues⁶

Relating to the infrastructure(s) in its post-project configuration	Estimated total amount in € in the 10 years starting from the final payment
- grants from competitive calls (national or European projects)	<i>fill</i>
- institutional endowments from public bodies	<i>fill</i>

⁵ Definition critical risk: A critical risk is a plausible event or issue that could have a high adverse impact on the ability of the project to achieve its objectives.

Level of likelihood to occur: Low/medium/high. The likelihood is the estimated probability that the risk will materialise even after taking account of the mitigating measures put in place.

Level of severity: Low/medium/high The relative seriousness of the risk and the significance of its effect.

⁶ Economic and financial plan containing an estimate of costs and revenues for the entire duration prescribed by the call. The research infrastructure(s) may be made available to enterprises and public and private research actors, to the maximum extent provided for in paragraph 2.1.1 of the Communication from the Commission 2014 / C 198/01.

c) PROJECT DESCRIPTION

(The information provided in this section will be evaluated with reference to criteria A2, A3, B1, B.2, B.3 and B.4)

- revenue from commercial contracts (for goods and R&D services)	<i>fill</i>
- revenue from commercial contracts (rent of space and facilities)	<i>fill</i>
Total Revenues	<i>fill</i>

31.2 Brief analysis related to DNSH principle

Provide an assessment of the project with respect to the guidelines; research and innovation infrastructures must in themselves be demonstrators of sustainable resources (plants, laboratories, computing centers and archives), dedicated to advanced research and innovation for the study of new and further green solutions and for circular economy; then, provide enough information to assess (if applicable):

- the international benchmarking of energy costs and CO2 footprint for the proposed new (or existing) infrastructure: for large accelerator based RI's a reference will be the CERN environmental report based on an ambitious plan to reduce by 28% its CO2 footprint by 2024 (adopting their best practices would ensure a reduced impact on the environment); for data infrastructures best practices suggested by scientific literature (e.g. Nature 561, pp. 163-166 (2018) will be used as a reference;
- cost analysis, needed to assess the long-term sustainability of the infrastructure, extended to considering the whole life cycle of the infrastructure, i.e.: i) operating and access costs by users (transport vs. remote access), ii) energy cost of the solutions adopted for the management of data, archives (memories) and calculations necessary for the infrastructure scientific and technological users, ii) forecast of the decommissioning costs at the end of life of the research infrastructure for the restoration of the territory to its initial conditions, impact of the decommissioning costs on the multi-year economic plan. Where financial support will be given, it will be required that DNSH guidance will be applied to avoid that RRF funds are used to finance environmentally harmful research;
- With particular reference to this criterion, the exclusion list shall include activities related to fossil fuels (including downstream use), except for natural gas-based heat/power compliant with the conditions set out in the annex III of the DNSH guidance. With particular reference to this criterion, the exclusion list shall be comprehensive of investments in facilities for the disposal of waste in landfill, in mechanical biological treatment (MBT) plants, and incinerators for the treatment of waste. Furthermore, all investments will be made in accordance with the DNSH principle, ensuring that no activity that is not sustainable, either now or in the long run, will be supported.

(max 8000 characters)

31.3 Brief analysis related to FAIR principle

Provide an assessment of the project with respect to the guidelines

(max 4000 characters)

31.4 Gender Equality Plan

Provide an assessment of the project with respect to equal opportunities, non-discrimination, equality and integration of gender perspective

(max 2000 characters)

c) PROJECT DESCRIPTION

(The information provided in this section will be evaluated with reference to criteria A2, A3, B1, B.2, B.3 and B.4)

31.5 Synergies with other proposals within the recovery and resilience plan

Discuss any synergies foreseen with other missions/components/investments/actions of the NextGen EU plan (e.g. proximity, co-location, coexistence with an innovative infrastructure site(s) either ongoing or at the proposal stage. Consider both positive and negative scenarios.

(max 4000 characters)

32 Total budget for the proposal

(IRAP are not an eligible cost, costs shall be input net value plus VAT value and ex-IRAP)

32.1 Entire Project costs, see Part 1 of this document

32.2 For each Work Package (Specific Objective), see Part 1 of this document.

32.3 For each project participant (Applicant and co-Applicants), as per the following table repeat the table for each Applicant and co-Applicant⁷.

COSTS (€)			
FOR EACH APPLICANT / CO-APPLICANT(S)			
	Costs included in the request for funding		
	To be located within the eight southern Regions	To be located outside the eight southern Regions	Total requested grant
a. Fixed term personnel specifically hired for the project	<i>fill</i>	<i>fill</i>	<i>fill</i>
b. Scientific instrumentation and technological equipment,	<i>fill</i>	<i>fill</i>	<i>fill</i>
c. Open Access, Trans National Access, FAIR principle implementation	<i>fill</i>	<i>fill</i>	<i>fill</i>
d. Civil infrastructures and related systems	<i>fill</i>	<i>fill</i>	<i>fill</i>
e. Indirect costs, including running costs	<i>fill</i>	<i>fill</i>	<i>fill</i>
f. Training activities	<i>fill</i>	<i>fill</i>	<i>fill</i>
Total	<i>fill</i>	<i>fill</i>	<i>fill</i>

⁷ Single type of expenses (type a. and e.) for the total requested grant shall satisfy cost limits as follows:

a. Fixed term personnel specifically hired for the project: max 20% of the total requested grant.

e. Indirect costs: max 7% of the total requested grant.

The submission system will keep track of these values during compilation.

d) PROJECT WORK BREAKDOWN STRUCTURE

(The information provided in this section will be evaluated with reference to criteria C1-C5)

33 **Timing of the different work packages** and their components (Gantt chart or similar)
(Provide a Gantt type chart)

34 **WP inter-relation with other WPs**
(If not included in the previous chart (33), provide the WP inter-relation with other WPs in graphical format)

35 **Costs Scheduling according with the Intermediate Objectives**
(Provide a table to show expected costs by bimestre)

Each **Work Package** shall be described as follow:

36 **WP title:** See Part 1

37 **WP number:** See Part 1

38 **Start month:** See Part 1

39 **OU(s) participating to the WP:** See Part 1

40 **WP leader:** See Part 1

41 **Summary of the activities envisaged in the WP:** See Part 1

42 **WP inter-relation with other WWPP:** See Part 1

43 **Most relevant outcome**

Provide a description and a motivation of the main assets to be acquired as well as for the other main investments
(insert text in the webform field - max 4000 characters)

44 **List of WP deliverables that will be available according with the timing set by the Intermediate Objectives.**

Provide a brief description for each
(max 8000 characters)

45 **Objective, quantitative, and measurable indicators relevant to the monitoring and ex-post assessment of the expected results.**

Define such indicators, describe methods and timing for the measurement of such indicators using technical criteria and relate them to the investment made throughout the project. Finally, refer them to the Intermediate Objectives listed in the following point.
(max 4000 characters)

d) PROJECT WORK BREAKDOWN STRUCTURE

(The information provided in this section will be evaluated with reference to criteria C1-C5)

46 **WP Intermediate Objectives: description and timing (corresponding to economic reporting scheduling)**

Provide a description of each Intermediate Objective with the expected deliverables and the project bimester at the end of which it will be accomplished

(text and integer number in the [1-15] range);

47 **WP budget:** See Part 1

Each **Activity** shall be described as follow⁸:

48 **Activity title**

(insert text)

49 **Reference WP**

(insert text)

50 **Activity number**

(insert number)

51 **Activity Start month and duration**

According to the timing set for the reference WP

(insert integer numbers)

52 **OU in charge of the Activity**

Only one OU for each activity

(insert text)

53 **Activity description**

(insert text max: 2000 characters)

54 **Activity budget⁹ (IRAP are not an eligible cost, costs shall be input net value plus VAT value and ex-IRAP)**

54.1 a. Cost of fixed term personnel specifically hired for the project

(insert net cost and VAT cost -if applicable - in € and a description with and estimation of number of personnel divided by rank/profile and their person months consistent with cost to ease the assessment of the Panel)

⁸ Each Work Package is organized in activities. Each activity must be assigned to one OU only, although it may concur with other activities to the same deliverables or same results that are foreseen within the same WP.

⁹ Single type of expenses (type a. and e.) for the total requested grant shall satisfy cost limits as follows:

a. Fixed term personnel specifically hired for the project: max 20% of the total requested grant.

e. Indirect costs: max 7% of the total requested grant.

The submission system will keep track of these values during compilation.

d) PROJECT WORK BREAKDOWN STRUCTURE

(The information provided in this section will be evaluated with reference to criteria C1-C5)

- 54.2 b. Scientific instrumentation and technological equipment, software licenses and patent
(insert net cost and VAT cost -if applicable - in € and a description with and estimation of major items to ease the assessment of the Panel)
- 54.3 c. Open Access, Transnational Access, FAIR principle implementation
(insert net cost and VAT cost -if applicable - in € and a description with and estimation of major items to ease the assessment of the Panel)
- 54.4 d. Civil infrastructures and related systems
(insert net cost and VAT cost -if applicable - in € and a description with and estimation of major items to ease the assessment of the Panel)
- 54.5 e. Indirect costs, including running costs
(insert net cost and VAT cost -if applicable - in € in the webform field)
- 54.6 f. Training activities
(insert net cost and VAT cost -if applicable - in € in the webform field)

After the negotiation phase the Proposal will assume its final approved form as per Article 10, Paragraph 3 of the Call.

The Applicants of the approved project will be requested to upload all information provided in this Part 2 through webforms, that will be available before the end of the negotiation phase.

ANY FURTHER ANNEXES

- Upload as a single PDF file any additional documentation deemed appropriate. This may include, for example, graphical representations, ERIC letter of alignment, etc. It is herein stressed that this documentation shall be supplementary and shall not substitute nor replicate the content in Annex B.

The Scientific Coordinator

(Digital signature)

The legal representative for the applicant

(Digital signature)