# Synthesis template for a Research & Innovation Infrastructure proposal

## 1. PART A: Overall Description

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| 1.1. Τitle and summary information on the Research Infrastructure (RI) |
| Fields to be competed / revised1. 1. Full Title1.2. Acronym1.2. Type of Proposal - select from menu: a) new proposalb) re-submission of a revised proposal of the main or reserve list of National Roadmap (2014)1.3. RI Coordinator & Partners1.3.1. Name, affiliation & contact details of Lead Partner (coordinator) - *Attach PDF file of letter of endorsement from the legal representative of proposing institution & short CVs of key personnel – max ½ page each*1.3.2. Core Partners (table with names, affiliation & contact details of core partners) - *Attach PDF files of letters of endorsement from legal representatives of partner Institution & short CVs of key personnel – max ½ page each* 1.4. Thematic Priorities (select from menu)a) For new proposals (eligible thematic areas : Agrofood, Transport & Logistics, Tourism)b) For resubmission of revised proposals (proposals of primary and reserve lists of the current Roadmap) Eligible thematic area : the 8 RIS3 priorities.* ICT
* Agrofood
* Biosciences, Health & Pharmaceuticals
* Environment & Sustainable Development
* Materials & Construction
* Energy
* Transport & Logistics
* Cultural Heritage, Tourism & Creative Industries

1.5. Abstract (brief description of the concept and main aims, deliverables and services of the RI) *- Attach PDF file, max 2 pages* 1.6. RI type distributed - single sited - virtual1.7. Location (location of the main & other distributed nodes of the infrastructure ( *selection from menu of Regions)* 1.8. Links with ESFRI or other EU / International R&I infrastructure initiative (Yes/No) *- if Yes please complete Section 11*1.9 Existence of an MoU among partners (YES / No) –*please attach (in PDF)*1.10. Keywords  |
| 2. Partnership case - synthesis of the consortium – maturity of the RI (criteria II-A & II-B) |
| Please provide a short report on the core partnership of the RI with reference on the following items:* How the core partners have been selected
* International reputation and visibility of principal investigators and partners
* Impact on scientific community, critical mass issues including potential for increasing existing or for creating new research groups in the field of operation of RI
* Maturity of the proposal, based on proven ability to continuously follow state-of- the-art, experience of human resources and operational readiness

*(Max 2 pages)* |

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| 3. Science case of the RI (criteria ΙΙ-Α& II-B)  |
| Please provide brief description of the following: * Main objectives and thematic priorities addressed via the RI (including e-RI aspects). Is the project consistent with the National Research & Innovation Strategy for Smart Specialization (RIS3), its thematic priorities and objectives?
* State-of-the-art & added value of the RI within the existing and future landscape of Research and RI’s, at EU, Regional and World level
* Expected benefits for the Greek research system as location for conducting cutting edge research at an international level
* Effect of RI on strengthening interdisciplinary research in Greece
* Perspectives for scientific & technological breakthroughs in the field of operation of RI (incl. links to relevant documents, references, bibliographic outlook)

*(Max 4 pages)* |
| 4. Technical case (criteria ΙΙ-Α) |
| Please provide brief description of the following: * Major technical issues to be addressed by the proposed RI, relevant approaches & risks assessed
* Are preliminary studies necessary? If this is the case are these already completed or planned? Please mention status of implementation for upgrade or integration of research infrastructures
* Provide summary of results (technical specifications) of conceptual and/or technical design studies

*(Max 2 pages, incl. list of references/links)* |
| 5. Effective Νetworking & Synergies with the Knowledge Triangle (criteria ΙΙ-Β) |
| Please provide brief description of the following: * Detailed description of networking level and competence
* Allocation of roles allocation among the partners
* Synergies and networking capacity in relation to other Research and Innovation initiatives at the national and international level (with emphasis on ERA integration effects, e.g. ESFRI participation)
* Beneficiaries (direct and indirect beneficiaries, as well as the extent and types of the user community)
* Perspectives for combating the brain-drain of highly skilled human resources - research & technical staff
* Partnership with industries (large companies, SMEs)
* Education and training for students, researchers, technicians and engineers
* *Must be consistent with* ***Part B*** *for relevant cost estimates, time schedule & allocation of roles in terms of* ***Networking Activities***

*(Max 2 pages)* |

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| 6. Access policy & service activities (criteria II-C) |
| Please provide brief description of the following: * Description of services offered by the RI and access policy for researchers (incl. transnational access activities, conditions for provision of access, how remote access needs will be addressed in relation to availability of e-infrastructures and data management issues)
* Description of services offered and access policy for industry (addressing IP rights - if applicable - fees and confidentiality issues)
* Description of rules & procedures for provision of access
* *Must be consistent with* ***Part B*** *for relevant cost estimates, time schedule & allocation of roles in terms of* ***Service******Activities***

*(Max 3 pages)* |
| 7. Governance and Sustainability of the RI (criteria IID) |
| Please provide a brief description of the following: * Clear management structure & governance of the proposed research infrastructure (responsibilities, management rules, legal aspects, set of procedures etc)
* Involvement of private sector representatives in the governance structure of the Research Infrastructure (e.g. in advisory boards etc)
* Technical & financial feasibility, including human resource issues and needs expected to be covered by the present call (human resources, provision of access to the RI, travel expenses, consumables, equipment)
* A brief long-term sustainability plan of the investment (including funds from other sources - national and / or international)
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| 8. Innovation potential & Contribution to Private Sector Innovation (criteria ΙΙ-Ε) |
| Please describe innovation case of the proposal covering the following : * Contribution to increase the potential for innovation and technology transfer through the construction and operation of the RI, based on expected results and spill-over effects of the RI
* Devices, artifacts or products, patents and designs expected to result from the upgrading & operation of the RI in its first 3 years. New services that the RI will be able to supply to the national and global markets on ad hoc or regular basis
* Potential for creation of high growth SMEs, spin offs and start-ups
* Potential to support SMEs in organizational innovation

 *(Max 1 page, incl. references. Please attach as PDF files letters of expression of interest from industrial sector, if any)*  |
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| 9. Contribution to National and Regional Growth & Socioeconomic Benefits (criteria ΙΙ-F) |
| Please describe briefly the following aspects:* Contribution of the RI to increase of private sector RD&I investment
* Creation of jobs on knowledge intensive activities for highly skilled scientists and engineers
* Contribution of the RI to exports of products and services and generation of revenue from patents and commercialization
* Visibility of the RI as a location for conducting cutting edge research at national, regional and international level. Economic and social benefits for Greece.
* Expected impact of the RI on additional socioeconomic issues (e.g. environment, health, reduction of regional disparities) in the national and regional economy
* Return of investment

*(Max 2 pages, incl. bibliographic references – Please attach as PDF files letters of endorsement from Regional Authorities, if applicable)* |
| 10. Financial aspects and commitmentsThree Year Financial Plan

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| Eligible Costs | 2017 (€) | 2018 (€) | 2019 (€) | Σύνολο (€) |
| Personnel costsa. new personnelb. existing personnel |  |  |  |  |
| Upgrade of scientific equipment |  |  |  |  |
| Contracts to third parties |  |  |  |  |
| Other additional costs (for the provision of access, consumables, travel expenses & daily allowances, other operational costs) |  |  |  |  |
| Feasibility studies |  |  |  |  |

 [ANALYTICAL FINANCIAL PLAN] pdf |
| **What are the current budget projections for implementation of the RI project.** ***Please provide a three year financial plan (2017-2019) with relevant justification of the requested funding.******Please also specify other sources of funding already identified and financial commitments already decided (possible funders: EU, National & Regional funding, other national or organisations and private funding), as well as perspective ones such as applications for loans of the European Investment Bank etc****Please fill in multi-annual financial plan 2017-2019 with reference on funding sources* |

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| ***Explanatory text on the financial plan of the proposal****(Max ½ page)*Please note that eligible costs for funding are : personnel (with emphasis on new highly personnel at post-doctorate level), travel expenses and daily allowances for provision of access to the RI, consumables, scientific equipment with emphasis on necessary upgrades of existing equipment, overheads. Please provide estimates of : * operational costs for provision of access / year
* travel costs and allowances for visiting researchers / researcher &/ year
* costs for upgrade of scientific equipment/year
* personnel costs /year (please note that for junior researchers at post-doctoral level the requested monthly rate (before tax) should not exceed 90% of the salary of the assistant professor
* costs for consumables / year

The total requested cost should not exceed 3m€ (spread over 3 years) |
| 11. Section to be completed for ESFRI related RIs only:  |
| To which ESFRI *RI* is the proposed one related to? Please specify the name, research field and contact point at the central ESFRI Infrastructure *(Select from list / fill in table).* * Stage of life-cycle of the ESFRI-related RI (preparatory phase/construction phase). Stage of commitments and maturity of the RI *(Max ½ page)*
* Mode of partnership (Regional Partner Facility, Regional Research Infrastructure). Position of the Greek partners (leading position/taking over important work packages?). Have the interests of Greece been adequately taken into account within the concept of the ESFRI Infrastructure? Please explain *(Max 1 page)*
* Please specify the research Institutions participating in the Regional Partner Facility (RPF) and describe their respective roles *(Max 1 page/Institute)*
* Is there a **concrete access policy** in place? If this is the case, please specify the annual number of users from Greek Institutions, EU Member States and third countries *(Max ½ page)*
* **Funding** *(to be consistent with Part B)*
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| **Construction costs** | ***Participation in the construction phase of ESFRI:*** | ***Cost for extension or improvement of existing RI:*** |
| **Annual fees** for subscription to an ESFRI RI: |  |
| Annual **operating** costs: |  |
| Forecast for **total** budget *(presented in annual tranches)* for the period 2017-2019: |  |

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## 6.2. PART B: Description of Activities

**Networking Activities**

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| **Overall Strategy / main focus***(max ½ page)* |
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| **Roles of partners***(Description of roles per partner , please provide one paragraph – max. 10 lines - per partner)* |
|  |
| **Main components** |
| *See below* ***indicative titles*** *of activities****NA1****: Coordination / management & governance support (incl. business plan for pooling distributed resources)****NA2****: Built-up, coordination and training of user groups (incl. virtual research communities)****NA3****: Development of common standards / monitoring tools / methodologies / technology foresight studies for instrumentation**..…..* |
| ***Networking Activity*** | ***Partners Involved*** | ***Estimated budget*** |
| **NA1** |  |  |
| **NA2** |  |  |
| **NA3** |  |  |
| ….. |  |  |

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| **Networking Activities Budget[[1]](#footnote-1) *(****€)* |
|  | **2017** | **2018** | **2019** | **total** |
|  |  |  |  |  |

*For all Networking Activities, please state indicative costs of implementing the proposed Research Infrastructures for the Multi-Annual Plan 2017 – 2019*

**Service Activities**

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| **Overall Strategy / main focus***(max ½ page)* |
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| **Roles of partners***(Description of roles per partner , please provide one paragraph – max. 10 lines - per partner)* |
|  |
| **Main Components** |
| *See below* ***indicative titles*** *of activities***SA1:** *Baseline design and specifications of service activities, incl. setup of “hands-on” or remote access facilities, access policies, operational framework for access services, integration & simulation services***SA2:** *Procurement and upgrading of relevant infrastructures (incl. databases, repositories, communication, network operation and end-to-end services)* **SA3**: *Resource management and operation* ..….. |
| ***Service Activity*** | ***Partners Involved*** | ***Estimated budget*** |
| **SA1** |  |  |
| **SA2** |  |  |
| **SA3** |  |  |
| … |  |  |

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| **Service Activities Budget[[2]](#footnote-2)** *(€)*  |
|  | **2017** | **2018** | **2019** | **total** |
|  |  |  |  |  |

*For all Service Activities, please state indicative costs of implementing the proposed Research Infrastructures for the Multi-Annual Plan 2017 – 2019*

**Joint Research Activities**

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| **Overall Strategy / main focus***(max ½ page)* |
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| **Roles of partners***(Description of roles per partner , please provide one paragraph – max. 10 lines - per partner)* |
|  |
| **Main Components** |
| *See below* ***indicative titles*** *of activities***JRA1:** *Implementation of joint research for high performance instrumentation, material testing, software etc.***JRA2**: *Integration**of installations and infrastructures (e.g. into virtual facilities)***JRA3:** *Development of specific-purpose innovative solutions (incl. software solutions)* ..….. |
| ***Joint Research Activity*** | ***Partners Involved*** | ***Estimated budget*** |
| **JRA1** |  |  |
| **JRA2** |  |  |
| **JRA3** |  |  |
| ..…. |  |  |

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| **Joint Research Activities Budget[[3]](#footnote-3)** *(€)*  |
|  | **2017** | **2018** | **2019** | **total** |
|  |  |  |  |  |

*For all Joint Research Activities, please state indicative costs of implementing the proposed Research Infrastructures for the Multi-Annual Plan 2017 – 2019*

1. May include ***Operating costs*** *(*Personnel costs, Material costs, other noteworthy investments (replacement purchases) required for keeping the infrastructure and equipment on an adequate level, reflecting the state-of-the-art, at the level of the integral network) [↑](#footnote-ref-1)
2. May include ***Investment costs (*** Upgrade of special technical equipment, acquisition of small scale new scientific equipment, construction of devices and equipment), ***Operating costs*** *(*Personnel costs, Material costs, travel & daily allowances for provision of access and other noteworthy investments required for keeping the infrastructure and equipment on an adequate level, reflecting the state-of-the-art) [↑](#footnote-ref-2)
3. May include ***Investment costs (*** Upgrade of special technical equipment, acquisition of small scale new scientific equipment, construction of devices and equipment), ***Operating costs*** *(*Personnel costs, Material costs, travel costs and other noteworthy investments required for keeping the infrastructure and equipment on an adequate level, reflecting the state-of-the-art) [↑](#footnote-ref-3)