

Strategy Report on Research Infrastructures

ROADMAP 2021

Project Monitoring Questionnaire

25th September 2019

QUESTIONNAIRE CATALOGUE FOR MONITORING OF PROJECTS 2010 & 2016

This [QUESTIONNAIRE CATALOGUE FOR MONITORING OF PROJECTS](#) applies to the following six Projects 2010 – AnaEE (H&F), EU-SOLARIS (ENE), ISBE (H&F), MIRRI (H&F), MYRRHA (ENE), and WindScanner (ENE) – and six Projects 2016 – ACTRIS (ENV), DANUBIUS-RI (ENV), EMPHASIS (H&F), E-RIHS (SCI), EST (PSE), and KM3NeT 2.0 (PSE). The ten-years term will expire for the Projects 2010 and they will not appear as Projects in the Roadmap 2021. If they have successfully reached the *Implementation phase*, they may be evaluated as Landmark. If they have not yet reached implementation, they may decide to re-apply by submitting a proposal in competition with all other *New Proposals*.

The monitoring addresses both the [SCIENTIFIC CASE](#) as well as the the [IMPLEMENTATION CASE](#) following up on prior conclusions and recommendations. The decisions on the status of Projects will be based on specific conclusions and recommendations directed towards enabling (institutional) learning and improvement. Importantly, this [QUESTIONNAIRE CATALOGUE FOR MONITORING OF PROJECTS 2010 & 2016](#) concerns a generic questionnaire setting the framework to be used by panels from the SWG and IG to draft a customised questionnaire targeted at the specific case of a Project also following up on the conclusions and recommendations from prior monitoring. It thus constitutes a longlist of possible questions to be adjusted and further simplified.

Complementing the Roadmap 2021 Guide for Projects and Landmarks, the following instructions apply.

Any of the Projects 2010 and 2016 may choose not to be monitored and thus not to be included in the Roadmap 2021. In such case, it has to renounce in writing to the ESFRI Chair. A date will be communicated later in the process.

The questionnaire consists of three parts to be completed:

- [PART A: GENERAL INFORMATION](#) is used to verify information on political support, including the inclusion in national RI roadmaps, the financial commitment and the estimated costs as well as general information for public description in the Roadmap 2021.
- [PART B: SCIENTIFIC CASE](#) is used by the Strategic Working Groups (SWGs) to monitor the [SCIENTIFIC CASE](#) of the Project.
- [PART C: IMPLEMENTATION CASE](#) is used by the Implementation Group (IG) to monitor the [IMPLEMENTATION CASE](#) of the Project.

Some questions require to tick a bullet, to fill a text section with a strictly limited number of characters or to upload supporting documents in PDF.

Project Monitoring Questionnaire

If you believe a question does not apply to your proposal, you may enter 'not applicable', but you should explain why the question is not relevant in your case.

Only the electronic version of this Questionnaire through the ESFRI MoS+ may be used for the *Monitoring of Projects* for the Roadmap 2021.

ESFRI – with the ESFRI Delegations and the Council Chairs of the EIROforum Members – will validate all information on political support and financial commitment, including the inclusion in national RI roadmaps.

Deadline for *Submission of Projects Monitoring Questionnaire* is February 2020 for Project 2016 and June 2020 for Projects 2010. Specific date will be communicated at a later stage.

RESOURCE

- ROADMAP 2018 at <http://roadmap2018.esfri.eu>
- ROADMAP 2021 Guide at <https://www.esfri.eu/esfri-roadmap-2021>

SUPPORT

- General questions: national ESFRI Delegations – contact details available at <https://www.esfri.eu/people?qt-people=1#qt-people>
- Helpdesk for the *Submission process*: send your inquiries to roadmap@str-esfri.eu

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PART A: GENERAL INFORMATION

Fields marked with * are mandatory

SECTION 1: GENERAL DATA***/NAME**

Verify the name of your RI and adjust, if necessary

- FULL NAME (maximum 200 characters with spacing)
- ACRONYM* (maximum 20 characters with spacing)

/TYPE

Verify the type of your RI and adjust, if necessary

- SINGLE-SITED
- DISTRIBUTED

RI TYPE <DROPDOWN LIST FOR RI TYPE: SINGLE-SITED, DISTRIBUTED>

/CLASS

Verify the class of your RI and adjust, if necessary

- NEW RESEARCH INFRASTRUCTURE
- MAJOR UPGRADE OF EXISTING RI
- GLOBAL RESEARCH INFRASTRUCTURE

RI CLASS <DROPDOWN LIST FOR RI CLASS: NEW RESEARCH INFRASTRUCTURE, MAJOR UPGRADE OF EXISTING RI, GLOBAL RESEARCH INFRASTRUCTURE>

/TIMELINE

Verify the timeline of the lifecycle of your RI and adjust, if necessary

| PHASE | FROM YEAR | TO YEAR | COMMENT |
|-----------------------------------|-----------|---------|---------|
| DESIGN* | | | |
| PREPARATION* | | | |
| IMPLEMENTATION (CONSTRUCTION)* | | | |
| OPERATION* | | | |

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| | | | |
|--------------|--|--|--|
| TERMINATION* | | | |
|--------------|--|--|--|

/ESTIMATED COSTS

Verify the summary of real and estimated costs and adjust, if necessary

| COST | EURO (€) | EURO (€) | COMMENT |
|---------------------------|----------|----------|---------|
| TOTAL INVESTMENT* | | | |
| DESIGN* | | | |
| PREPARATION* | | | |
| IMPLEMENTATION* | | | |
| TERMINATION* | | | |
| AVERAGE ANNUAL OPERATION* | | | |

/HEADQUARTERS

Verify the hosting institution of the Headquarters and adjust, if necessary

- INSTITUTION NAME (maximum 200 characters with spacing)
- INSTITUTION ADDRESS

/WEBSITE

Verify the the Internet address for your RI and adjust, if necessary

- URL: (maximum 200 characters with spacing)

/LOGO

Verify the logo of your RI or upload a new one

- UPLOAD (upload with limit 1 MB)

/IMAGE

Verify the image representing your RI or upload another one

- UPLOAD (upload with limit 1 MB)

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/DESCRIPTION

Verify the summary of the general characteristics and aim of your RI, including the impact on the quality and quantity of European research in the main field of action and the interdisciplinary aspects; adjust, if necessary

- TEXT (maximum 1000 characters with spacing)

/BACKGROUND

Verify the summary of the science background of your RI, the reference scientific community (-ies) and the current landscape; adjust, if necessary

- TEXT (maximum 2000 characters with spacing)

/STEPS TO IMPLEMENTATION

Verify the summary of actions that led to the presentation to ESFRI, your plans for implementation in terms of schedules and milestones, including Preparatory Phase or other pre-implementation actions, acquisition of legal status; adjust, if necessary

- TEXT (maximum 1000 characters with spacing)

/SCIENTIFIC DOMAIN

Verify which Strategy Working Group you believe to be the most suitable to monitor the scientific case of your RI

- DIGIT

- ENE

- ENV

- H&F

- PSE

- SCI

SWG NAME <DROPDOWN LIST FOR SWG ENTRY: DIGIT, ENERGY, ENVIRONMENT, HEALTH & FOOD, PHYSICAL SCIENCES & ENGINEERING, SOCIAL & CULTURAL INNOVATION>

/OTHER RELEVANT DOMAIN

In case you believe that the scientific case of your RI should also be monitored by one or more additional SWG, indicate which

SWG NAME <DROPDOWN LIST FOR SWG ENTRY: DIGIT, ENERGY, ENVIRONMENT, HEALTH & FOOD, PHYSICAL SCIENCES & ENGINEERING, SOCIAL & CULTURAL INNOVATION>

SECTION 2: POLITICAL SUPPORT*

/LEGAL STATUS

Verify legal status your RI and adjust, if necessary

- none
- in preparation (specify status: i.e. Step 1, 2 etc.)
- established (ERIC, AISBL, GmbH, others)

Upload the relevant updated legal entity statutes/agreement of your RI

- UPLOAD (upload with limit 1 MB)

/POLITICAL SUPPORT – LEAD COUNTRY/ENTITY

Verify the Member State (MS), Associated Country (AC) or EIROforum Member which leads the Preparation Phase or Implementation/Operation Phase of your RI.

In the presence of a legal status, verify the Member State (MS), Associated Country (AC) or EIROforum which leads the legal entity by any formal agreement among members (ERIC, ERIC Step2 or other international legal form). Adjust, if necessary

- LEAD COUNTRY/ENTITY NAME <DROPDOWN LIST FOR MS/AC OR EIROforum>

Identify the National Ministry responsible for the RI from the LEAD MS/AC, or other entity – such as EIROforum Member – that has signed Expression of Support (EoS)¹ or provided a Council resolution.

In the presence of a legal status, verify the MS/AC or EIROforum Member who signed the legal entity statutes/agreement (ERIC, ERIC Step2 or other international legal form).

- NATIONAL MINISTRY RESPONSIBLE FOR RI / COUNCIL OF THE ENTITY (e.g. EIROforum MEMBER)

Verify the Expression of political Support (EoS) of the Member State (MS) and Associated Country (AC); in the case of a EIROforum member, please verify the Council resolution.

In the presence of a legal status, verify the legal entity statutes/agreement (ERIC, ERIC Step2 or other international legal form) of the Member State (MS), Associated Country (AC), and EIROforum Member.

If not yet provided, please assure the relevant upload

- UPLOAD EoS/Council Resolution or legal entity statutes/agreement (ERIC, ERIC Step2 or other international legal form) (upload with limit 1 MB)

¹ The ESFRI Delegation will validate such EoS.

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| LEAD COUNTRY/ENTITY | NATIONAL MINISTRY RESPONSIBLE FOR RI / COUNCIL OF THE ENTITY (e.g. EIROforum MEMBER) | EoS/Council Resolution/Legal Statutes |
|---|--|---------------------------------------|
| DROPDOWN LIST FOR MS/AC OR EIROFORUM MEMBER | NAME | UPLOAD* |
| (allow for multiple entries) | | |

/POLITICAL SUPPORT – PROSPECTIVE MEMBER COUNTRY/ENTITY

Verify the MS and AC – and any additional THIRD COUNTRY – which have submitted Expressions of political Support (EoS) signed by the National Ministries responsible for RI, or other entities – such as EIROforum Member – whose mandated authorities have expressed interest to join the RI through a Council resolution.

- PROSPECTIVE MEMBER COUNTRY/ENTITY NAME <DROPDOWN LIST FOR MS/AC, THIRD COUNTRIES, EIROFORUM OR OTHER ENTITY>

Identify the National Ministry responsible for the RI from the PROSPECTIVE MEMBER MS/AC or other entity – such as EIROforum Member – that has signed Expression of Support (EoS)² or provided a Council resolution.

- NATIONAL MINISTRY RESPONSIBLE FOR RI / COUNCIL OF THE ENTITY (e.g. EIROforum MEMBER)

Verify the Expression of political Support (EoS) of the Member State (MS) and Associated Country (AC); in the case of any other entity – such as EIROforum Member – verify the Council resolution.

If not yet provided, please assure the relevant upload

- UPLOAD EoS/Council Resolution (upload with limit 1 MB)

| PROSPECTIVE MEMBER COUNTRY/ENTITY | NATIONAL MINISTRY RESPONSIBLE FOR RI / COUNCIL OF THE ENTITY (e.g. EIROforum MEMBER) | EoS/Council Resolution |
|--|--|------------------------|
| DROPDOWN LIST FOR MS/AC, THIRD COUNTRIES, OR EIROFORUM OR OTHER ENTITY | NAME | UPLOAD* |
| (allow for multiple entries) | | |

² The ESFRI Delegation will validate such EoS.

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/POLITICAL SUPPORT – MEMBER COUNTRY/ENTITY

Verify the MS and AC, any additional THIRD COUNTRY, or other entity – such as EIROforum Member – which are members of the legal entity by any formal agreement (ERIC, ERIC Step2 or other international legal form).

- MEMBER COUNTRY/ENTITY NAME <DROPDOWN LIST FOR MS/AC, THIRD COUNTRIES, EIROFORUM OR OTHER ENTITY>

Identify the National Ministry responsible for the RI from the MEMBER MS/AC or other entity – such as EIROforum Member that signed the legal entity statutes/agreement (ERIC, ERIC Step2 or other international legal form)

- NATIONAL MINISTRY RESPONSIBLE FOR RI / COUNCIL OF THE ENTITY (e.g. EIROforum MEMBER)

Verify the legal entity statutes/agreement (ERIC, ERIC Step2 or other international legal form) of the Member State (MS) and Associated Country (AC), EIROforum Member.

If not yet provided, please assure the relevant upload

- UPLOAD legal entity statutes/agreement (ERIC, ERIC Step2 or other international legal form) (upload with limit 1 MB)

| MEMBER COUNTRY/ENTITY | NATIONAL MINISTRY RESPONSIBLE FOR RI / COUNCIL OF THE ENTITY (e.g. EIROforum MEMBER) | LEGAL STATUTES/AGREEMENT |
|--|--|--------------------------|
| DROPDOWN LIST FOR MS/AC, THIRD COUNTRIES, OR EIROFORUM OR OTHER ENTITY | NAME | UPLOAD* |
| (allow for multiple entries) | | |

/POLITICAL SUPPORT – INCLUSION IN NATIONAL ROADMAPS*

If applicable, identify the MS and AC which has (have) included your RI – or a preliminary form – in its (their) national RI roadmap (-s) or similar political document.

Please specify, per country, the amount of funds earmarked for or already allocated to your RI in the framework of this (their) national RI roadmap (-s) or similar strategic document (in this case, please also provide reference of the relevant strategic document): (maximum 1000 characters with spacing).

- COUNTRY NAME <DROPDOWN LIST FOR MS OR AC > <COMMENT>

| NATIONAL ROADMAP COUNTRY | FUNDS EARMARKED OR ALLOCATED | RELEVANT POLITICAL DOCUMENT |
|------------------------------|------------------------------|-----------------------------|
| DROPDOWN LIST FOR MS/AC | EURO (€) | TEXT |
| (allow for multiple entries) | | |

SECTION 3: FINANCIAL COMMITMENT****/FINANCIAL COMMITMENT – LEAD COUNTRY/ENTITY***

Identify the MS/AC or the EIROforum Member, which is the LEAD COUNTRY/ENTITY

- LEAD COUNTRY/ENTITY NAME < DROPDOWN LIST FOR MS/AC OR EIROFORUM OR OTHER ENTITY >

Identify the authorities³ from the LEAD COUNTRY/ENTITY that has signed Expression of Commitment (EoC) or provided a Council resolution to financially contribute to the Implementation and Operation Phases of the RI.

- NAME (maximum 200 characters with spacing)

- ADDRESS

- CONTACT PERSON (maximum 200 characters with spacing)

- EMAIL (email field)

- TELEPHONE (telephone field)

Upload the corresponding EoC or Council resolution:

- UPLOAD EoC (upload with limit 1 MB)

| LEAD COUNTRY/ENTITY | AUTHORITY NAME | ADDRESS | CONTACT PERSON | E-MAIL | PHONE | EoC |
|--------------------------------------|----------------|---------|----------------|--------|-------|---------|
| DROPDOWN LIST FOR MS/AC OR EIROFORUM | | | | | | UPLOAD* |
| (allow for multiple entries) | | | | | | |

/FINANCIAL COMMITMENT – PROSPECTIVE MEMBER COUNTRIES/ENTITIES

Identify the MS/AC, any additional THIRD COUNTRY, or other entities – such as EIROforum Member – which are PROSPECTIVE MEMBER COUNTRY/ENTITY

- PROSPECTIVE MEMBER COUNTRY/ENTITY NAME <DROPDOWN LIST FOR MS/AC OR EIROforum OR OTHER ENTITY>

³ Any legal entity from a MS, AC and third country that can take binding decisions to financially support the RI can submit an EoC. It may concern a regional or national government (agency), an umbrella organisation negotiating and redistributing funding on behalf of its members, a Research Funding Organisation (RFO) or a Research Performing Organisation (RPO).

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Identify the authorities³ from each PROSPECTIVE MEMBER COUNTRY/ENTITY that have signed an Expression of Commitment (EoC) or provided a Council resolution to financially contribute to the Implementation and Operation Phases of your RI.

- NAME (maximum 200 characters with spacing)
- ADDRESS
- CONTACT PERSON (maximum 200 characters with spacing)
- EMAIL (email field)
- TELEPHONE (telephone field)

Upload the corresponding EoC or Council resolution:

- UPLOAD EoC (upload with limit 1 MB)

| PROSPECTIVE MEMBER COUNTRY/ENTITY | AUTHORITY NAME | ADDRESS | CONTACT PERSON | E-MAIL | PHONE | EoC |
|---|----------------|---------|----------------|--------|-------|---------|
| DROPDOWN LIST FOR MS/AC, THIRD COUNTRY, EIROFORUM OR OTHER ENTITY | | | | | | UPLOAD* |
| (allow for multiple entries) | | | | | | |

/FINANCIAL COMMITMENT – MEMBER COUNTRIES/ENTITIES

Identify the MS/AC, any additional THIRD COUNTRY, or other entities – such as EIROforum Member – which are MEMBER COUNTRY/ENTITY

- MEMBER COUNTRY/ENTITY NAME <DROPDOWN LIST FOR MS/AC OR EIROforum OR OTHER ENTITY>

Identify the authorities³ from each MEMBER COUNTRY/ENTITY that have signed an Expression of Commitment (EoC) or provided a Council resolution to financially contribute to the Implementation and Operation Phases of your RI.

- NAME (maximum 200 characters with spacing)
- ADDRESS
- CONTACT PERSON (maximum 200 characters with spacing)
- EMAIL (email field)
- TELEPHONE (telephone field)

Project Monitoring Questionnaire

Upload the corresponding EoC or Council resolution:

- UPLOAD EoC (upload with limit 1 MB)

| MEMBER COUNTRY/ENTITY | AUTHORITY NAME | ADDRESS | CONTACT PERSON | E-MAIL | PHONE | EoC |
|---|-------------------|---------|-------------------|--------|-------|---------|
| DROPDOWN LIST FOR MS/AC, THIRD COUNTRY, EIROFORUM OR OTHER ENTITY | | | | | | UPLOAD* |
| (allow for multiple entries) | | | | | | |

/ FINANCIAL COMMITMENT – COVERAGE OF REAL AND ESTIMATED COSTS

Specify the amounts that have already been financed or are fully agreed to be financed and specify the share of costs covered by the commitment (-s) for the real or estimated costs:

| COST | EURO (€) | PERCENTAGE (%) | COMMENT |
|------------------------------------|----------|----------------|---------|
| TOTAL INVESTMENT* | | | |
| DESIGN* | | | |
| PREPARATION* | | | |
| IMPLEMENTATION* | | | |
| TERMINATION* | | | |
| AVERAGE ANNUAL OPERATION COSTS* | | | |

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SECTION 4: RESEARCH INFRASTRUCTURE CONSORTIUM*

/COORDINATOR

Identify the Coordinator for the preparation or implementation of your RI

| COUNTRY/ENTITY | INSTITUTION NAME | INSTITUTION ADDRESS | CONTACT PERSON | E-MAIL | TELEPHONE |
|--------------------------------------|------------------|---------------------|----------------|--------|-----------|
| DROPDOWN LIST FOR MS/AC OR EIROFORUM | | | | | |
| (allow for multiple entries) | | | | | |

/PARTICIPANTS

Identify the core partners – being research institutions – that have signed the inter-institutional and multi-lateral agreement and thus are formally involved in the consortium

| COUNTRY/ENTITY | INSTITUTION NAME | INSTITUTION ADDRESS | CONTACT PERSON | E-MAIL | TELEPHONE |
|---|------------------|---------------------|----------------|--------|-----------|
| DROPDOWN LIST FOR MS/AC, THIRD COUNTRY, EIROFORUM OR OTHER ENTITY | | | | | |
| (allow for multiple entries) | | | | | |

Upload – if any – the corresponding inter-institutional and multi-lateral agreement, e.g. a Memorandum of Understanding (MoU), consortium agreement etc.

- UPLOAD MoU (upload with limit 10 MB)

PART B: SCIENTIFIC CASE

SECTION 1: SCIENTIFIC EXCELLENCE*

1.1. Describe and signal the evolution of the scientific vision and mission of your RI with respect to the original proposal. Describe the evidence of its short and long term impact on the main research field (-s) and early evidences of impact on other fields - if any - as well as on innovation: (maximum 5000 characters with spacing)

1.2. Describe how the scientific concept of your RI was strengthened or revised through the steps undertaken during the preparation, the bottlenecks towards implementation - if any you encountered and how the involvement of the relevant scientific community (-ies) is developing: (maximum 2000 characters with spacing)

1.3. Describe the cutting edge science and the used technology (maximum 2000 characters with spacing)

1.4 Describe how the recruitment of the scientific and technical leaders of your RI is proceeding and update on your strategy to ensure and consolidate the overall competences for the implementation and operation of the RI: (maximum 1000 characters with spacing)

1.5. Describe the science and innovation services (to be) provided and the delivery schedule, i.e. to what degree they are already effectively delivered: (maximum 2000 characters with spacing)

1.6. Describe whether you have gained new insights into the scientific and technical feasibility of your RI (e.g. by testing new aspects) and summarise the main new findings in terms of scientific and technical maturity and feasibility: (maximum 3000 characters with spacing)

1.7. Upload the newest (interim report on the) science strategy, research agenda or equivalent of your RI: (upload with limit 1 MB; in case the document is longer than 30 pages, please provide an executive summary of maximum 4 pages)

SECTION 2: PAN-EUROPEAN RELEVANCE*

2.1. Confirm the positioning of your RI in the RI landscape, the complementarity and synergy with existing RIs or other international projects: (maximum 2000 characters with spacing)

2.2. Define the European added value (to be) achieved by your RI updating the original rationale of the Project within the evolving Landscape of concurrent RI at European and international level and - if possible - summarise the major findings of case studies or other evidence demonstrating the emerging European added value: (maximum 5000 characters with spacing)

2.3. Describe how you have consolidated the research capacity and geographical distribution: (maximum 3000 characters with spacing)

2.4. Describe how your RI will leverage European competitiveness in research and innovation, e.g. uniqueness of technical offer, advancement of technical standards, innovation in research process, effective impact on the innovation of research products and setting reference standards in data

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management, also in view of the evolving Landscape of concurrent RI at European and international level: (maximum 3000 characters with spacing)

2.5. Describe how you are (envisage) implementing joint strategies and offering common services with relevant RIs and other large pan-European programmes: (maximum 3000 characters with spacing)

SECTION 3: SOCIO-ECONOMIC IMPACT*

3.1. Summarise the emerging socio-economic impact and proven capacity building of your RI: (maximum 5000 characters with spacing)

3.2. Summarise how your RI is contributing (will contribute) to tackling (grand) [societal challenges](#): (maximum 3000 characters with spacing)

3.3. Describe if and how your RI has established the ability to develop an open innovation culture: (maximum 3000 characters with spacing)

3.4. If available, upload any socio-economic impact study (-ies): (multiple uploads with limit 1 MB each; in case the document is longer than 30 pages, please also provide an executive summary of maximum 4 pages)

SECTION 4: USER STRATEGY & ACCESS POLICY*

4.1. Describe which user community in terms of origin and size your RI has consolidated as compared to the one originally envisaged and elaborate your plans to further consolidate it: (maximum 3000 characters with spacing)

4.2. Describe if and how the user community is contributing to your RI (e.g. collaborating research teams, in-kind contributions): (maximum 3000 characters with spacing)

4.3. Describe your plans for the advanced training of professional scientists, engineers and data managers and clarify whether they are agreed and approved: (maximum 3000 characters with spacing)

4.4. If available, upload the catalogue of services for users of your RI: (upload with limit 1 MB; in case the document is longer than 30 pages, please also provide an executive summary of maximum 4 pages)

4.5. If available, upload the user strategy or equivalent of your RI: (upload with limit 1 MB; in case the document is longer than 30 pages, please also provide an executive summary of maximum 4 pages)

4.6. Summarise your (common) [access policy](#)⁴ - including organisational structure and procedure for granting access (single point of access), embedding in international research programmes, pricing policy and quality assurance for access – and clarify whether it is agreed and approved: (maximum 5000 characters with spacing)

⁴ For more information and support, please consult the `European Charter for Access to Research Infrastructures` at https://ec.europa.eu/research/infrastructures/pdf/2015_charterforaccessto-ris.pdf

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4.7. If available, upload the access policy of your RI, including the procedure along which your RI grants or will grant access: (upload with limit 1 MB; in case the document is longer than 30 pages, please also provide an executive summary of maximum 4 pages)

4.8. Describe if and how you enquire the end users or your RI about their level of satisfaction with the services you provide and, if so, which measures you put in place to improve: (maximum 3000 characters with spacing)

SECTION 5: E- NEEDS*

5.1. Summarise the data management, data access and data security policies of your RI - including procedures for ensuring the sustainability of data – and clarify to what degree they are approved: (maximum 3000 characters with spacing)

5.2. Describe the technical design and operations of the e-infastructure services -e.g. resources for storage, computing, networking, tools for data management, security, access, remote analysis, etc. - for your RI and clarify to what deferee it is approved and implemented: (maximum 2000 characters with spacing)

5.3. Describe the use of external e-infastructure resources and the relations to external e-infastructures - including agreements with external partners delivering core e-infastructure services for your RI – and clarify to what degree this use is approved within your consortium: (maximum 2000 characters with spacing)

5.4. Describe the compliance with FAIR principles and how the RI contributes to the development of the European and global e-infastructure landscape at all levels (institutional, regional, national, international) - including e.g. the [e-infastructure commons](#) and the [European Open Science Cloud \(EOSC\)](#): (maximum 2000 characters with spacing)

5.5. If available, upload the approved Data Management Plan (DMP): (upload with limit 1 MB)

PART C: IMPLEMENTATION CASE

SECTION 6: STAKEHOLDER COMMITMENT*

6.1. Demonstrate that your RI has secured firm commitments from a) all involved MS, AC and third countries and b) all core institutes and partners through a signed legally binding document (e.g. statutes). If this is not possible, explain why and describe the strategy and activities securing such firm commitments: (maximum 5000 characters with spacing)

6.2 If available, upload the corresponding signed legally binding document: (upload with limit 1 MB)

6.3 Complementing the identification of the lead country/entity, member countries/entities, prospective member countries/entities, coordinator and participants from PART A, describe the envisaged final stakeholder community of your RI and elaborate on your strategies and plans on how your RI will obtain their commitment, including your plans to get listed in more national RI roadmaps or similar strategic documents, National/Regional Research and Innovation Strategies for Smart Specialisation (RIS3) and Operational Programme (-s) from the European Structural and Investment Funds (ESIF): (maximum 3000 characters with spacing)

SECTION 7 & 8: PREPARATORY WORK & PLANNING*

/SECTION 7: PREPARATORY WORK

7.1. Describe the progress (completion) of your [Preparatory Phase under Horizon 2020](#): (maximum 3000 characters with spacing)

7.2. Summarise the business plan of the RI and clarify whether it has been agreed upon: (maximum 3000 characters with spacing)

7.3. If available, upload the business plan for your RI: (upload with limit 1 MB; in case the document is longer than 30 pages, please also provide an executive summary of maximum 4 pages))

7.4. Describe to what degree the communication programmes are in place: (maximum 3000 characters with spacing)

7.5. For single-site RI, elaborate to what degree you have obtained building licence, identified a procurement strategy and set-up a procurement task force, approved tenders and commitments to fund construction and obtained interest in responding to tender for construction. For distributed RI, summarise the services delivered to users at national level and the services delivered from the Central Hub to the National Nodes: (maximum 3000 characters with spacing)

/SECTION 8: PLANNING

8.1. Summarise the detailed plans for the scientific, technical and organisational implementation and operation and clarify to what degree they have been validated: (maximum 5.000 characters with spacing)

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8.2. Describe whether and which new insights your RI has gained concerning its termination - such as decommissioning or integration with other RI: (maximum 3000 characters with spacing)

SECTION 9 & 10: GOVERNANCE, MANAGEMENT & HUMAN RESOURCES POLICY*

/SECTION 9: GOVERNANCE & MANAGEMENT

9.1. Describe the final legal entity and governance structure and clarify to what degree they are established: (maximum 3000 characters with spacing)

9.2. If available, upload a (revised) organisation chart of the final governance for operation: (upload with limit 1 MB)

9.3. Summarise the Key Performance Indicators (KPI) for the operation, management, administration and facilitation and clarify to what degree they have been agreed upon: (maximum 3000 characters with spacing)

/SECTION 10: HUMAN RESOURCES POLICY

10.1. Describe the progress of the recruitment of key managers other than the scientific leadership and staff for implementation and the training of necessary skills: (maximum 3000 characters with spacing)

10.2. Describe the human resources policy of your RI to gather necessary competences for operation, hiring, equal opportunities (including gender balance and diversity), secondments, education and training and clarify to what degree it is approved: (maximum 3000 characters with spacing)

SECTION 11: FINANCES*

11.1. Describe to what degree all investment decisions for implementation have been effectively taken and those for operation are clearly in place or planned: (maximum 3000 characters with spacing)

11.2. If available, upload the cost book – including the work packages and in-kind contributions fully detailed and centrally budgeted - with costs based on supplier discussions or quotes: (upload with limit 5 MB)

11.3. Summarise the procedures for financial reporting and the accounting principles and clarify to what degree they were approved: (maximum 3000 characters with spacing)

11.4. Summarise the validated projection on operation costs for at least five years - and the costs for the termination, if applicable - and clarify to what degree you have achieved agreement on how to cover them: (maximum 3000 characters with spacing)

SECTION 12: RISKS*

12.1. Summarise the detailed scientific, technological, political and financial risk inventory and mitigation measures for implementation and clarify to what degree they are in place: (maximum 5000 characters with spacing)

Project Monitoring Questionnaire

12.2. If applicable, upload the revised technical options analysis: (upload with limit 1 MB, maximum 30 pages)

12.3. Describe the main challenges for your RI over the next 5 to 10 years: (maximum 2000 characters with spacing)