

EUROPEAN
PLASMA RESEARCH
ACCELERATOR WITH
EXCELLENCE IN
APPLICATIONS



ESFRI Roadmap Application – Next Steps

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Steering Committee Meeting – 22.03.2018



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ESFRI Roadmap Application Chapters (based on 2018 Application)

A: General information (incl. political and financial support)

B.1 Scientific Excellence

B.2 Pan-European Relevance

B.3 Socio-Economic Impact

B.4 E-Needs

C.5 Stakeholder Commitment

C.6 User Strategy & Access Policy

C.7 Preparatory Work

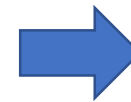
C.8 Planning

C.9 Governance and Management

C.10 Human Resources Policy

C.11 Finances

C.12 Risks



**Application deadline
not announced yet,
but likely:**

2nd half 2019 – 1st half 2020

ESFRI Roadmap Application Chapters (based on 2018 Application)	Relevant EuPRAXIA CDR Chapters	
A: General information (incl. political and financial support)	12 Expressions of Commitment	13 Expressions of Political Support
B.1 Scientific Excellence	4.4 Added Value for European Research & Technology Landscape	5.19 Impact Assessment
B.2 Pan-European Relevance	4.4 Added Value for European Research & Technology Landscape	5.19 Impact Assessment
B.3 Socio-Economic Impact	5.19 Impact Assessment	8.2 Cost-Benefit Analysis
B.4 E-Needs	5.14 EuPRAXIA Operational Model	7 Project Organization and Implementation
C.5 Stakeholder Commitment	5.14 EuPRAXIA Operational Model	7 Project Organization and Implementation
C.6 User Strategy & Access Policy	4.2 Need for External Users 4.3 User Access	5.14 EuPRAXIA Operational Model
C.7 Preparatory Work	6 EuPRAXIA Pre-Construction R&D and Technical Design Phase	10 Site Studies
C.8 Planning	7.1.2 Project Schedule	
C.9 Governance and Management	7.1.1 Structure and Governing Model	7.1.5 Quality Assurance
C.10 Human Resources Policy	8 Resource Plan	
C.11 Finances	7.1.6 Proposed Financial Model	8 Resource Plan / Financial Plan
C.12 Risks	5.17 Project Risk Assessment	

ESFRI work is essential input to CDR chapter

ESFRI work is useful, additional input to CDR chapter

A. Demand analysis / assessment of potential user community

B. Applications for national roadmaps

C. Project budget / financial plan

D. User access policy & services
provided

necessary for gathering

- Expressions of political support
- Expressions of financial commitment from national governments

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Proposed Strategy:

1. Collect potential user contacts from EuPRAXIA community

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1. Collect potential user contacts from EuPRAXIA community

- a) **potential future EuPRAXIA users you know personally** (e.g. contact person name and email address / phone number)
- b) **potential future EuPRAXIA users you can think of, but don't know personally** (e.g. organisation / department / contact person name, ideally also email address / phone number)

- Relevant topics of activities:
- Accelerator science
 - Laser science
 - Photon science
 - High-energy physics
 - Medical physics
 - Inspection and material studies
 -

Research institutes, universities, companies, etc.

Proposed Strategy:

1. Collect potential user contacts from EuPRAXIA community
2. Reach out to these contacts with a short questionnaire and introductory letter

Propose

1. Collect
2. React
- intrc

EuPRAXIA Potential User Survey		
v.0.08	Draft	14/03/2018
1. Respondent entity ID		
Respondent entity		
Name of the organisation:		
Address:		
Town/City:	Country:	
Respondent person		
Name:		Surname:
Function/Role in the organisation:		
Telephone number:	Email address:	
2. Questions		
2.1. Legal form of the respondent entity		
<input type="checkbox"/> Research institution (public)	<input type="checkbox"/> Company	<input type="checkbox"/> Higher education organisation
<input type="checkbox"/> Other, please specify:		
2.2. Department (if relevant)		
Name of the department:		
<i>Please indicate the name of the department the respondent person belongs to. One questionnaire per department. Questions and answers should be construed as relevant for the department, not for the whole institution.</i>		
Number of researchers:		
including post-doc positions		
including PhD students		
<i>Please indicate the number of researchers in your department, by headcount, not by FTEs. Indicate the number of researchers who are in post-doc positions, and the number of PhD students. By construction, the remainder should correspond to the number of senior researchers.</i>		
2.3.a. Research domains (for research institutions and higher education organisations only)		
<input type="checkbox"/> Accelerator science	<input type="checkbox"/> High-Energy physics	
<input type="checkbox"/> Laser science	<input type="checkbox"/> Medical physics	
<input type="checkbox"/> Photon science	<input type="checkbox"/> Inspection and material studies	
<input type="checkbox"/> Other, please specify:		
2.3.b. Economic activities (for companies only)		
<input type="checkbox"/> Laser technology	<input type="checkbox"/> Material processing using electron beams	
<input type="checkbox"/> Equipment/devices for the medical sector	<input type="checkbox"/> Material processing using X-rays/other radiations	
<input type="checkbox"/> Equipment/components for particle accelerators	<input type="checkbox"/> Non-destructive testing	
<input type="checkbox"/> Other, please specify:		

2.4. Interest for EuPRAXIA	
<input type="checkbox"/> Collaborations in fundamental research	<input type="checkbox"/> Collaborations in applied research
<input type="checkbox"/> Collaborations in new developments	<input type="checkbox"/> As a test facility
<input type="checkbox"/> Other, please specify:	
<i>Fundamental research: research carried out with no other purpose than furthering knowledge. Applied research: Research carried out with the purpose to develop technologies or processes with eventual applications in products or services. Development: Development of new products or services. "As a test facility": the interest in EuPRAXIA is guided by the perspective to use EuPRAXIA as a test facility, e.g. testing the properties of materials or products. Multiple answers are possible.</i>	
<input type="checkbox"/> Expertise, access to facilities and databases for fundamental research	
<input type="checkbox"/> Expertise, access to facilities and databases for applied research	
<input type="checkbox"/> Expertise, access to facilities and databases for new developments	
<input type="checkbox"/> Access to the EuPRAXIA large instrument only, with technical support from the EuPRAXIA team	
<input type="checkbox"/> Access to databases only	
3. Further contacts	
Do you agree on being contacted by EuPRAXIA's team in the future?	
<input type="checkbox"/> Yes	<input type="checkbox"/> No
Would you be interested in participating in a EuPRAXIA exploratory workshop?	
<input type="checkbox"/> Yes	<input type="checkbox"/> No
4. Comments	
Please feel free to fill in any comments below:	

Proposed Strategy:

1. Collect potential user contacts from EuPRAXIA community
2. Reach out to these contacts with a short questionnaire and introductory letter
3. Evaluate survey results and potentially expand contact list

Proposed Strategy:

1. Contact Please email us your contacts at eupraxia-admin@desy.de for:
 - a) potential future EuPRAXIA users you know personally (e.g. contact person name and email address / phone number)
 - b) potential future EuPRAXIA users you can think of, but don't know personally (e.g. organisation / department / contact person name, ideally also email address / phone number)
2. Reach out to identified potential users with request for Letter of Interest
3. Evaluate
4. Reach out to identified potential users with request for Letter of Interest

- Strongly recommended to be listed on at least one national roadmap
- For EuPRAXIA multiple listings will be better, as site location is not clearly defined yet
- Need to consider: some countries may officially consider funding only for research infrastructures listed on national roadmap

→ *Any experiences / first steps taken?*

→ *Interest / possibilities for coordinating efforts?*

16 Participants



24 Associated Partners

(as of December 2017)

