Virtual user information meeting

Call 9: Special Features

12 May, 2022 - Videoconference

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Call 9 : Special Features

- Started in Call 8
  - Protein Crystal Screening → sample delivery tests with SEC & screening beamtime on SPB/SFX
  - Specialized Experimental Configurations → more efficient use of beamtime, less setup time

- New for Call 9
  - Long Term Proposals (2023-2026)
  - Topical Call for Proposals on “Molecular Water Research”
    - ► International Experts on Molecular H_2O Research, if needed, available for advice to PRP

Both on invitation, based on the assessment of previous Expression of Interest (EoI)

Call for Long Term Proposals

October 2021	Opening of Call for EoI
3 December 2021	Deadline for EoI - 10 received
January - February	Internal Evaluation – 7 selected for further review
22 February	PIs invited to write a full proposal
5 May	Opening Call 9
22 June	Deadline Call 9
September	Peer Review of Proposals
February-June 2023	1st beamtime

Long Term Proposals: template

Long-term proposal at European XFEL – description
[Type the title of your proposal here]

[Instructions:
Maximum total length: five A4 pages
Body text not smaller than 10 points (recommended: Arial, Helvetica and Symbol for special characters)
Single spacing
Figures can be included in the PDF although the maximum length/size must be kept
Max. total file size: 5 Mb
Proposers bear responsibility for the readability of the description.]

1) Scientific background and scientific case
a) Describe the scientific background of your proposal]
b) Describe the scientific case of your long-term proposal and the expected scientific outcome
Add max 5 selected references

2) Motivation for this proposal:
a) Why is a long-term access needed?
b) Justification for the use of an X-ray free-electron laser facility and motivation for the selected instrument
c) What is the socio-economic added value of the new scientific opportunity that this long-term proposal opens up for the community?
d) What is the identifiable benefit to the EuXFEL user community, e.g. new technique, new instrument, new possibilities for the concerned instrument(s)?

3) Description of the project
Please describe
a) How you would perform the experiments technically?
b) What is your plan in terms of expected signal and data handling?

4) Experiment plan

Scheduling period	Instrument(s) requested	8-hour shifts requested	Results expected
2023/I (Jan-June 2023)			
2023/II (July-Dec 2023)			
2024/I (July-Dec 2024)			

5) Contribution of human resources

Human resources contribution - type and Full Time Equivalent (FTE)	Start (month/year)	End (month/year)

6) Contribution of instrumentation, services and other resources
=> Give details in the section "4. Resources and Additional instrumentation" of the UPEX electronic long-term proposal form.

Topical Call on Molecular H_2O Research

- Link research at EuXFEL with major societal challenges – climate change, clean energy, environment, …
- Make major impact in fundamental understanding of role of molecular water in physics, chemistry, biology
- In line with major Strategic Goal of EuXFEL 2030+ Strategy
- Exploit synergies with Center for Molecular Water Science (CMWS)
  - Access to experts in water science
  - Connection to their large base of partners and non-X-ray characterization techniques
  - Expand our user community

Topical Call on Molecular H_2O Research

February 2022	Opening of Call for EoI
3 March	CMWS Water Days: Session on H_2O Call
4 April	Deadline for EoI - 30 received
April	Internal Evaluation - 24 (+3) selected for further review
End April	PIs invited to write a full proposal
5 May	Opening Call 9
22 June	Deadline Call 9
September	Peer Review of Proposals
February-June 2023	Beamtime*

* On average, 1 week beamtime per instrument per semester is reserved for H_2O Topical Call

Thank you for your attention