Frequently Asked Questions
for ROSES-2018 D.13 LISA Preparatory Science

Posted: February 21, 2018
Questions 6-8 added March 5, 2018
Questions 9 added March 13, 2018

Q1. Is the LPS solicitation open to NASA LISA team members?
A1. Yes, the LPS solicitation is open to members of the NASA LISA Study Team and of the LISA Core Team.

Q2. I would like to inquire about the LISA Preparatory Science program. Does the program's objective "Conduct astrophysics investigation that prepare for the analysis and interpretation of the LISA data" include the interpretation of LISA's data?
A2. Yes, that is correct. The LPS aims at supporting multi-messenger astrophysics within NASA's scope that will pave the way to interpreting and modeling the future LISA data.

Q3. Can LPS proposals involve analysis of archival data?
A3. Yes, provided that the investigation is primarily aimed to research topics with specific applications for LISA. Archival data projects that do not primarily address LISA-related topics must be submitted to the Astrophysics Data Analysis program, element D.2. The proposal must clearly demonstrate that the proposed use of the archival data is within the scope of the LPS solicitation.

Q4. May proposals include observations taken with ground-based observatories?
A4. Yes, provided that:
1. The ground-based data have only a supporting role; and
2. The costs associated with the ground-based portion of the project are less than 25% of the total cost of the investigation.

Q5. I am having trouble finding the webpage/documents that outlines details regarding requirements for formatting, page limits, etc. Is there a webpage or a document to which you can point me?
A5. Please see Section IV(b)ii and Table 1 in the ROSES-2018 Summary of Solicitation. If you don't find it there refer to Section 3 of the *NASA Guidebook for Proposers*.

Q6. My work may be included as a contribution to "low latency pipeline work", should it be supported by the Study Office or through LPS?
A6. Any improvement related to low latency pipelines is potentially in-scope for an LPS proposal. The Study Office work will concern topics more related to implementation and requirements of low latency pipelines as well as organizing deliverables/documents in coordination with ESA and the LISA consortium. Note that once LPS grants are

selected, Study Office work will be re-scoped appropriately to ensure there is no direct overlap with LPS grant work, with LPS grants taking precedence for scientific analysis (see notes in Q2 above).

Q7. Could you clarify how one actually acquires support from the NASA LISA study office for the tasks that are described in the final chart posted on lisa.nasa.gov (https://lisa.nasa.gov/downloads/LISA_StudyOffice_ScienceActivities_14Feb2018.pdf)?
A7. Note that the requirements and understanding of the requirements for data analysis/science for LISA will continue to evolve as the mission proceeds towards launch, and the NASA LISA Study Office has a responsibility to maintain technical expertise to develop the plans for meeting such requirements.
During pre-phase A, there has been an informal process within the NASA LISA Study Office to provide small amounts of support, via proposals solicited by the study office. In FY19, after the release of the LPS selections, this process will be formalized with a review process that will include criteria such as how the work enables the LISA study office to meet its deliverables to ESA and to the consortium, and how the work compliments (but does not overlap) LPS investigations.

Q8. I already have an active ATP grant to study […]. May I propose to LPS?
A8. Yes. The burden is on you to demonstrate that there is no overlap of the LPS project with the project supported by the existing ATP grant.

Q9. Do I need to list the members of my Team in the NOI?
A9. Yes. You are strongly encouraged to list as many members of your Team as possible with the NOI. This information will be used by the Program Officer to recruit unconflicted reviewers, thus ensuring an unbiased, fair review of your proposal.

Questions regarding this program element or this FAQ may be directed to Rita Sambruna at rita.m.sambruna@nasa.gov.