



SCIENCE

JUICE PEA and NASA Science Evaluation

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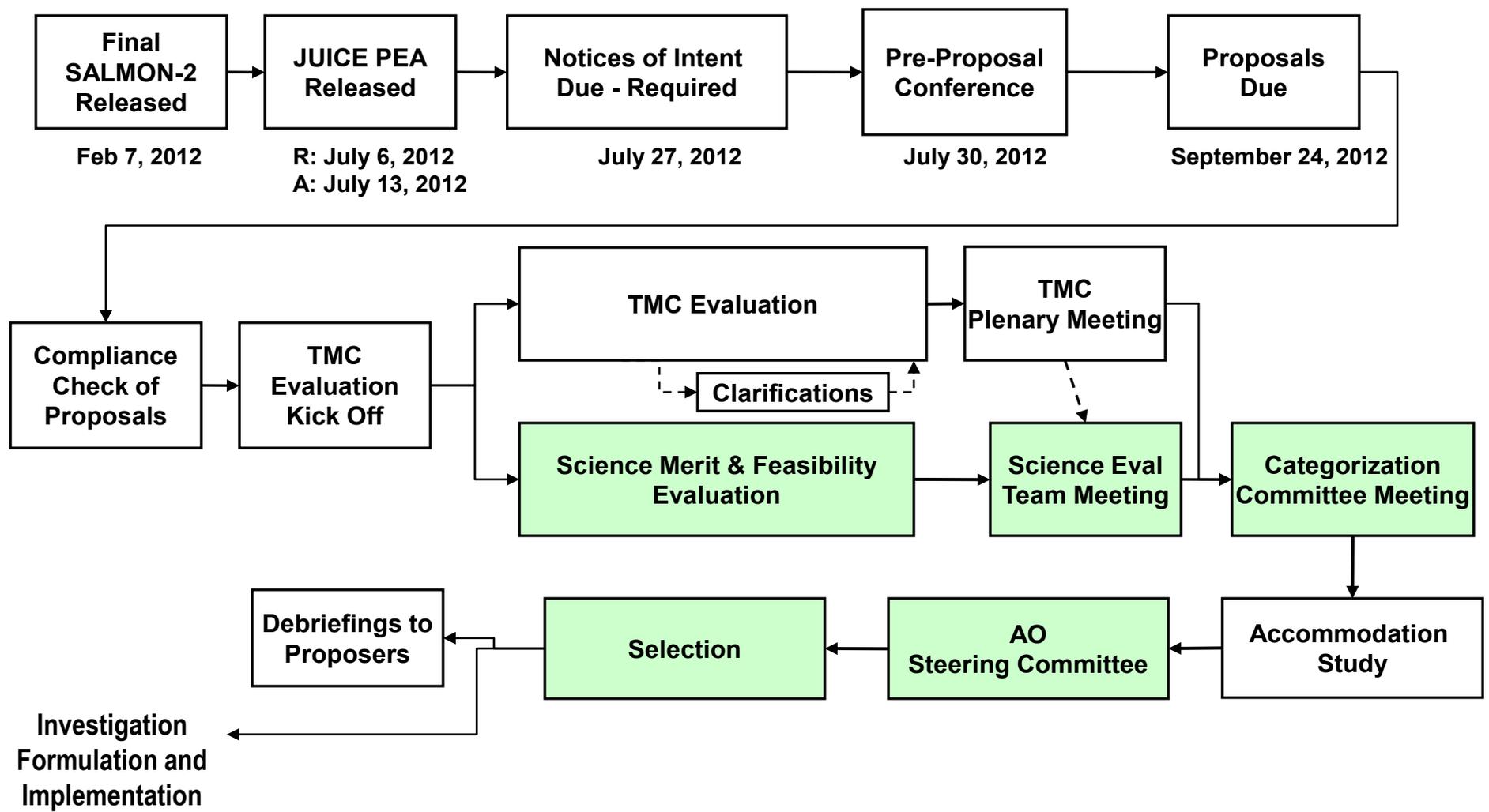
NASA JUICE Program Scientist

Pre-Proposal Conference for NASA JUICE AO

July 30, 2012



Proposal Evaluation Flow





Evaluation Overview

- Proposals submitted to NASA will undergo the NASA evaluation and single step selection process described in the SALMON-2 AO and JUICE PEA.
 - These proposals will be provided by NASA in their entirety to ESA and will additionally undergo the ESA evaluation process.
 - Please note that while NASA has an agreement with ESA that allows sharing technical data, proposers are still required to identify ITAR sensitive information in the proposals submitted to NASA (Requirement K-18).
- All persons with access to proposals will be required to sign a Non-Disclosure Agreement or equivalent.
- Proposals will be assessed against criteria given in Section 7.2 of the SALMON-2 AO by panels of individuals who are peers of the proposers in the relevant scientific areas.
 - Panel members will be instructed to evaluate every proposal independently without comparison to other proposals



Science Evaluation



- The Science Evaluation panel will evaluate the Intrinsic Science Merit and Science Implementation and Feasibility Merit of the proposed investigation.
 - Intrinsic Merit evaluation factors (A-1 through A-4) are given in Section 7.2.2 of the SALMON-2 AO.
 - Implementation and Feasibility Merit evaluation factors (B-1 through B-6) are given in Section 7.2.3 of the SALMON-2 AO.
- This evaluation will result in narrative text, including specific major and minor strengths and weaknesses, as well as appropriate adjectival ratings for the Intrinsic Merit and Implementation Merit.



Categorization and Steering



- An ad hoc subcommittee will convene to consider the peer review results and, based on the evaluations, categorize the proposals.
 - Categorization definitions are given in Section 7.1.2 of the SALMON-2 AO.
- The NASA AO Steering Committee will review the results of the proposal evaluations and categorizations, will conduct an independent assessment of the evaluation and categorization processes, and will approve the selection recommendation.



Selection



- The final evaluation results will be presented to the SMD AA, who will make the final selection(s).
- In addition to the evaluation results, the SMD AA may take into account a wide range of programmatic factors in deciding whether or not to select any proposals and in selecting among top-rated proposals. As stated in the JUICE PEA,
 - These factors also include the likelihood that the proposed instrument can be accommodated on the JUICE spacecraft
 - Priority will be given to cost-effective instruments with significant science return, manageable cost risk, and demonstrable development expertise and flight experience.