Roman Project News

June 2021
Early Definition Survey Rfi

• Purpose: To solicit input from the community on early definition of one of the General Astrophysics Surveys
  – Is there a compelling case to define a survey early?
  – Narrow down the concept(s) under consideration

• White papers are short (~2 pages)
  – To avoid large burden on the community

• If any Roman Early-Definition Astrophysics Survey concept is selected, then full survey specifics and detailed observational strategies would be defined through a future community process.
  – E.g. location, size, filters, exposure times etc.
• Do you support the selection of a Roman Early-Definition Astrophysics Survey ((as described in the “Request for Information”; yes/no, with supporting motivation, 10 lines max):

• Describe the science investigations enabled by the survey (as relevant, briefly describe: key science drivers and breadth of science areas engaged; datasets expected upon survey completion; comparison of science enabled, parameter space opened up, or complementarities with respect to ground/space-based state-of-the-art at time of Roman launch; key differences from, and/or complementarities with, Roman core community surveys; one page max):
White paper content (2)

• **Provide a possible observational outline of the survey** (as relevant/known, touch upon: survey area covered, possible location, and/or (types of) targets observed; optical element (filters/grism/prism) choices; cadence or other timing constraint (if relevant); depth to be achieved; total time needed including estimated overheads; how the survey leverages the unique observational capabilities of Roman; half-a-page max):

• **Describe specific preparatory activities enabled by early definition** (e.g., supporting facility observations, software development work, theoretical/simulation efforts etc.; describe the benefits of conducting these activities early; list any past/planned white papers, community building/engagement activities, working groups, workshops, or cross-project/cross-mission planning relevant to the survey; half-a-page max)