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SCIENCE INSTITUTE

EXPANDING THE FRONTIERS OF SPACE ASTRONOMY

Kick-off of the Community Definition of the Core Community Surveys

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Top Level Goal for Defining the Core Community Surveys

Maximize the overall science return of Roman's wide field infrared surveys

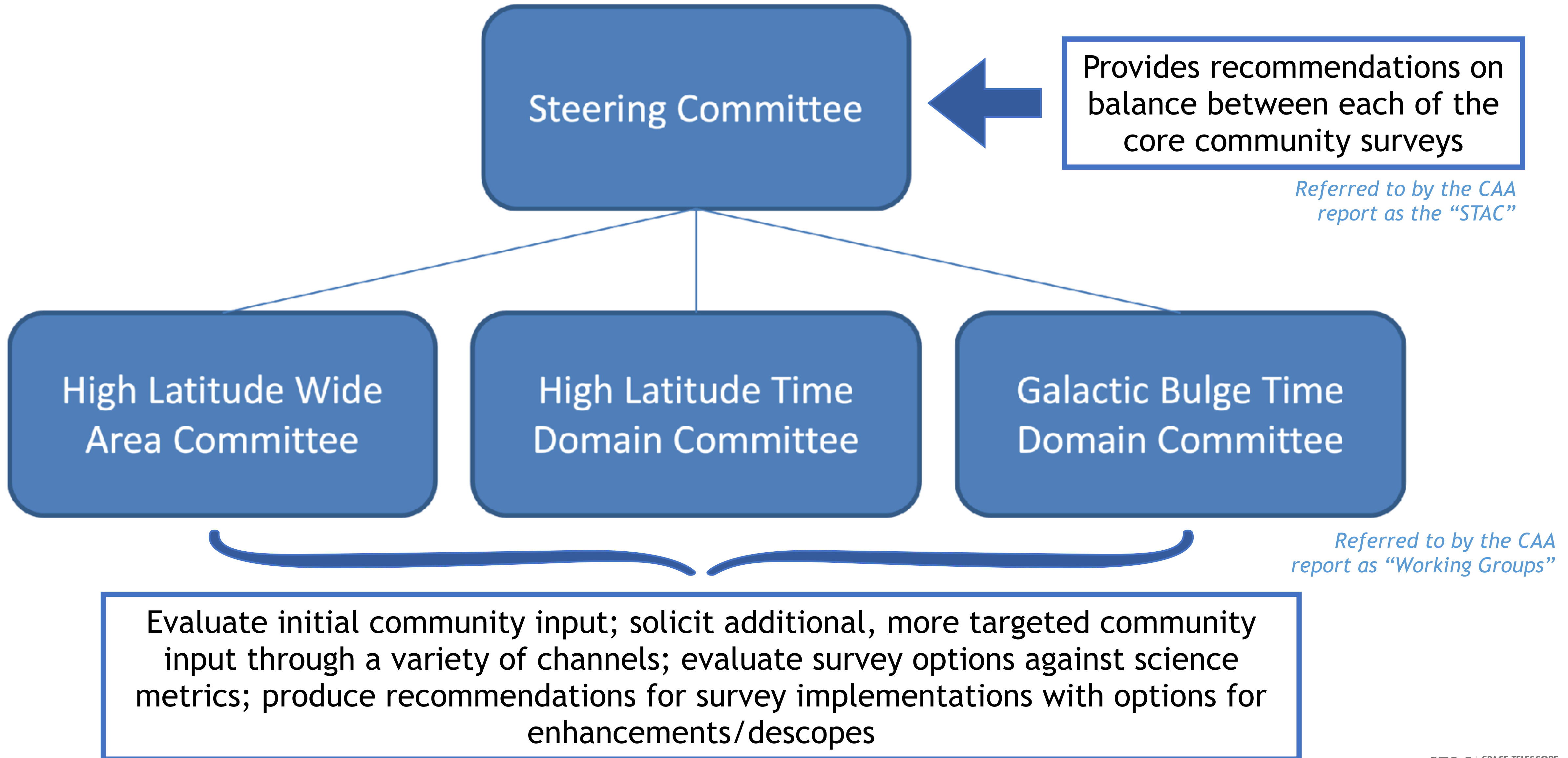
While meeting Mission requirements focused on cosmology and exoplanets

The Design Reference Mission survey strategies served their function in showing the mission can meet its requirements.

The actual surveys to be implemented will be defined by the astronomical community.



Strategy for Defining the Core Community Surveys





Strategy for Defining the Core Community Surveys

These committees will be *your* committees, and will be charged with understanding and representing the full breadth of the astronomy community's interests in Roman's Core Community Surveys.

There will be no "survey teams" selected to define or implement the surveys.

report as the "STAC"

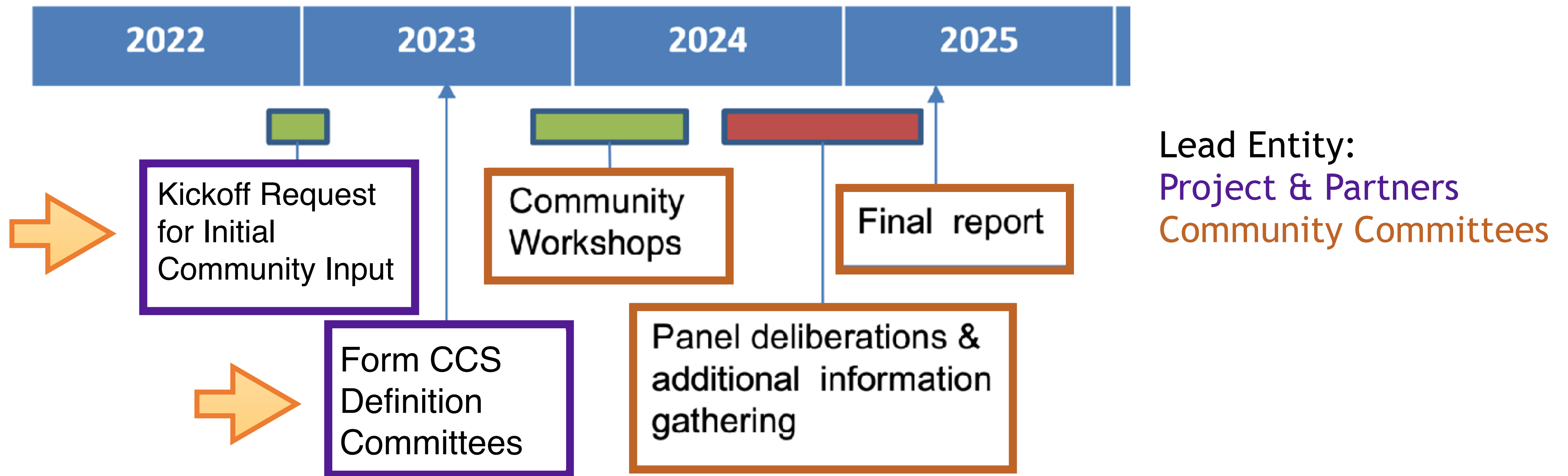


Referred to by the CAA report as "Working Groups"

Evaluate initial community input; solicit additional, more targeted community input through a variety of channels; evaluate survey options against science metrics; produce recommendations for survey implementations with options for enhancements/descopes



Timeline for Defining the Core Community Surveys



The content of the first set of community responses will be used to:

- Ensure the CCS committee members represent the breadth of science investigations that the community wants enabled by each CCS.
- Provide the CCS committees with initial technical input on what requirements on survey strategy are set by various science investigations, and what science investigation areas need the most additional community input and consensus-building.



First Step in Defining the Core Community Surveys

Two avenues to respond to the initial request for community input into the CCS definitions:

(1) A “Science Pitch” plus questionnaire

- science pitch: 1-2 paragraphs “pitching” a science investigation that could be done with an appropriately configured CCS
- an associated questionnaire to collect *high level* input on important survey characteristics for a given science pitch (e.g., survey area, depth, filters, cadence, etc.)

(2) A traditional white paper call

- with adequate time post-ROSES deadline; likely late spring deadline

Community members can respond to one or the other or both.

All input will be given to the CCS definition committees.



Next Steps: Kickoff of the Community Process for Defining the CCSs

A Call will be released early in 2023

- Roman Core Community Survey Science Pitches will be due in mid-February
- Roman Core Community Survey White Papers will be due in late spring
 - due date and details of the content requested in the white papers to be announced in late March

Information + Q&A sessions:

- In person: **Wednesday, Jan 11 2-3:30 pm**: AAS 241 splinter “Starting Now: Community-Led Definition of the Roman Core Community Surveys”
- Virtual: January Roman Community Forum, and an additional virtual session TBD
- All sessions will present the same information