

*The National Academies of*  
SCIENCES • ENGINEERING • MEDICINE

Space Studies Board

**Committee for the Review of Progress toward Implementing the Decadal  
Survey, *Solar and Space Physics: A Science for a Technological Society***

**Meeting #2**

**Laboratory for Atmospheric and Space Physics (LASP)**

**3665 Discovery Drive, Room W120**

**Boulder, CO 80303**

**Wednesday, April 3, 2019**

**OPEN SESSION**

Zoom Remote Access Information – Day 1 Open

Phone: (646) 558-8656 or (669) 900-6833

Link: <https://nasem.zoom.us/j/679343893>

Meeting ID: 679-343-893

- |             |   |                            |
|-------------|---|----------------------------|
| 10:45 am    | Discussions with Nicky Fox, Director of NASA's Heliophysics Division <ul style="list-style-type: none"><li>• Responses to committee queries</li><li>• Thoughts on Committee Tasks 4-7</li></ul>                               |                            |
| 12:00 pm    | Lunch   |                            |
| 1:00        | Discussions with Mike Wiltberger, Section Head-Geospace, NSF GEO/AGS <ul style="list-style-type: none"><li>• Responses to committee queries</li><li>• Thoughts on Committee Tasks 4-7</li></ul>                               |                            |
| 2:00        | Discussions with Elsayed Talaat, Director, Office of Projects, Planning, and Analysis, NOAA/NESDIS <ul style="list-style-type: none"><li>• Responses to committee queries</li><li>• Thoughts on Committee Tasks 4-7</li></ul> |                            |
| 3:00        | Break   |                            |
| 3:15        | COSPAR Roadmap  | Karel Schrijver, Committee |
| 4:00 – 5:30 | <b>Closed Session</b>   |                            |
| 6:30        | Working Dinner, <b>Boulder Cork</b> - 3295 30th St, Boulder, CO 80301   |                            |
| 8:30        | <i>Adjourn for the day</i>  |                            |

## Thursday, April 4, 2019

### OPEN SESSION

Zoom Remote Access Information – Day 2 Open

Phone: (646) 558-8656 or (669) 900-6833

Link: <https://nasem.zoom.us/j/630627365>

Meeting ID: 630-627-365

10:00 am Discussions with Fran Bagenal regarding Committee Task 7, CU Boulder

11:00 Break to closed session, public meeting adjourns

## Friday, April 5, 2019

### CLOSED SESSION ALL DAY

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#### **The following information is provided for any members of the general public who may be in attendance:**

This meeting is being held to gather information to help the committee conduct its study. This committee will examine the information and material obtained during this, and other public meetings, in an effort to inform its work. Although opinions may be stated and lively discussion may ensue, no conclusions are being drawn at this time and no recommendations will be made. In fact, the committee will deliberate thoroughly before writing its draft report. Moreover, once the draft report is written, it must go through a rigorous review by experts who are anonymous to the committee, and the committee then must respond to this review with appropriate revisions that adequately satisfy the Academy's Report Review committee and the chair of the NRC before it is considered an NRC report. Therefore, observers who draw conclusions about the committee's work based on today's discussions will be doing so prematurely.

Furthermore, individual committee members often engage in discussion and questioning for the specific purpose of probing an issue and sharpening an argument. The comments of any given committee member may not necessarily reflect the position he or she may actually hold on the subject under discussion, to say nothing of that person's future position as it may evolve in the course of the project. Any inference about an individual's position regarding findings or recommendations in the final report are therefore also premature.

## **Review of Progress Toward Implementing the Decadal Survey - Solar and Space Physics: A Science for a Technological Society**

### **Statement of Task**

The National Academies of Sciences, Engineering, and Medicine shall convene an ad hoc committee to review the responses from NASA's Heliophysics program and the National Science Foundation to the 2013 decadal survey, "Solar and Space Physics: A Science for a Technological Society." The committee's review will include the following tasks:

1. Describe the most significant scientific discoveries, technical advances, and relevant programmatic changes in solar and space physics over the years since the publication of the decadal survey;
2. Assess the degree to which the Agencies' programs address the strategies, goals, and priorities outlined in the 2013 decadal survey and other relevant NRC and Academies reports, considering the national policy framework;
3. Assess the progress toward realizing these strategies, goals, and priorities;
4. Recommend any actions that could be taken to optimize the science value of the Agencies' programs including how to take into account emergent discoveries and potential partnerships since the decadal in the context of current and forecasted resources available to them;
5. Provide guidance about implementation of the recommended portfolio for the remaining years of the current decadal survey given actual funding levels, progress on decadal missions, and science and technology advances, but do not revisit or redefine the scientific priorities or recommended mission science targets; and
6. Recommend any actions that should be undertaken to prepare for the next decadal survey--for example: enabling community-based discussions of (a) science goals, (b) potential mission science targets and related implementations, and (c) the state of programmatic balance; as well as identifying the information the survey is likely to need regarding the vitality of the field.
7. Recommend actions that would enhance all stages of careers for scientists and engineers in the solar and space physics community.