



NASA Strategic Planning: Implementing the Decadal Strategy for Solar and Space Physics => NASA Heliophysics

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Strategic Planning: Governance



- *The Government Performance and Results Act Modernization Act of 2010 (P.L. 111-352) requires each Federal agency to produce a strategic plan every four years. NASA Policy Directive (NPD) 1000.0, *Strategic Management and Governance Handbook*, calls for NASA to issue the *NASA Strategic Plan* and subordinate documents and for each Mission Directorate to develop an Implementation Plan. The Science Mission Directorate's (SMD) issues its Implementation Plan, or the **NASA Science Plan** as it is typically named, in concert with the *NASA Strategic Plan*.*



Strategic Planning: Decadal Survey



- H.R. 6063, as amended by the Senate [now P. L. 110-702], the National Aeronautics and Space Administration Authorization Act of 2008 TITLE XI. **OTHER PROVISIONS Sec. 1104. National Academies Decadal Surveys. Directs the Administrator** to enter into agreements on a periodic basis with the National Academies for independent assessments of the status and opportunities for Earth and space science discipline fields and aeronautics research, to recommend priorities for research and programmatic areas over the next decade, to include whenever possible independent estimates of the costs and technical readiness of missions assessed, and to identify conditions that would warrant reexamination of the priorities established.



Decadal Strategy for Solar and Space Physics (Heliophysics) – NASA, NSF, NOAA



- The National Research Council Space Studies Board shall establish a Heliophysics Survey Committee to develop comprehensive science and mission strategy for heliophysics research for a 10-year period beginning in approximately 2013.
 1. Provide an overview of the science and a broad survey of the current state of knowledge in the field, including a discussion of the relationship between space- and ground-based science research and its connection to other scientific areas;
 2. Identify the most compelling science challenges that have arisen from recent advances and accomplishments;
 3. Identify—having considered scientific value, urgency, cost category and risk, and technical readiness—the highest priority scientific targets for the interval 2013-2022, recommending science objectives and measurement requirements for each target rather than specific mission or project design/implementation concepts; and
 4. Develop an integrated research strategy that will present means to address these targets.
- Addresses primarily the responsibilities of NASA and NSF and will provide recommendations to these two agencies. However, the survey will also address issues of particular interest to NOAA and the DoD, including the current state of capabilities and future directions in space weather monitoring and operations.



NASA Heliophysics Roadmap – Why?



- Decadal Survey provides a strategic framework for all of solar and space physics. Roadmap will provide NASA's tactical implementation.
 - Develop a clear science traceability throughout the NASA heliophysics programs.
 - How NASA can implement the Decadal science priorities within its programs. Ensure our programs properly reflect the science priorities.
 - Develop the technology requirements not just for the coming decade, but for longer term.



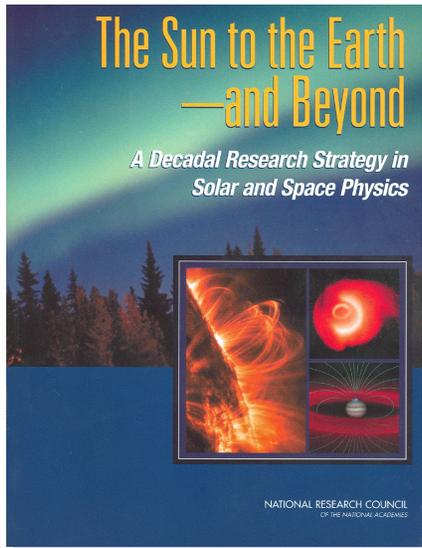
Wide variety of studies, both internal and NASA-sponsored NRC studies



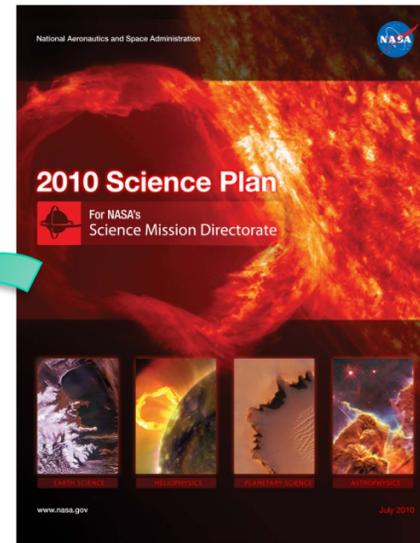
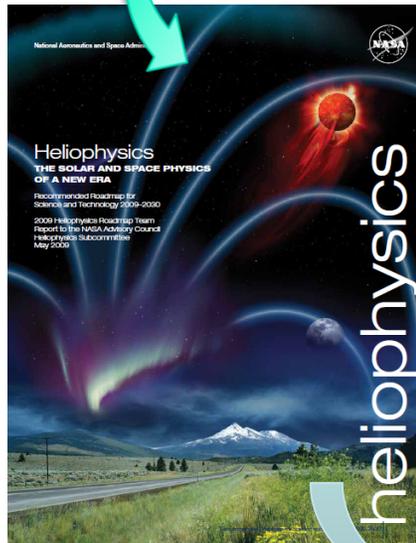
Structure of Strategic Planning

How do all the studies and documents relate?

National Academies Decadal Survey



Heliophysics Roadmap



NASA Science Plan



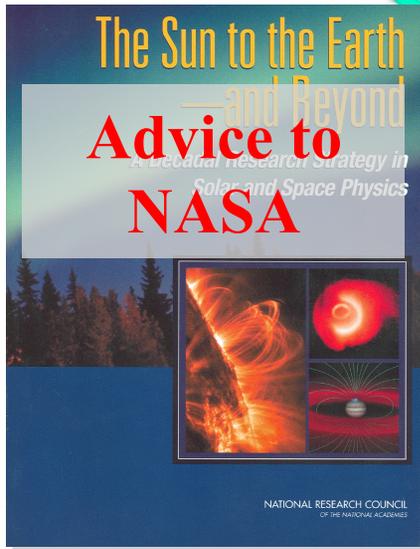
NASA Strategic Plan



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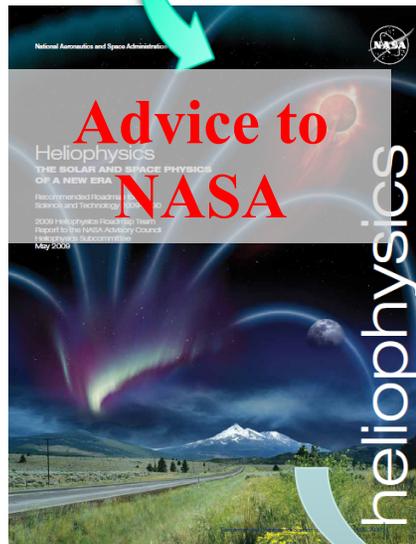
National Academies Decadal Survey



Structure of Strategic Planning

Which are advice and which are official?

Heliophysics Roadmap



NASA Science Plan



NASA Strategic Plan 7

