



2012 Heliophysics Roadmap Committee

Ed DeLuca, Chair

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Roadmap Committee



Name	Institution	Name	Institution
Edward DeLuca, Chair	SAO	John Leibacher	NSO
Larry Kepko, Co-Chair	GSFC	Ruth Leiberman	GATS
Mihir Desai	SWRI	Xinlin Li	U. Colorado
George Fisher	U. California, Berkeley	Jeff Newmark, Ex-Officio	NASA
Maura Hagan	NCAR	Larry Paxton	APL
Russ Howard	NRL	Steve Petrinec	LMSAL
Greg Howes	U. Iowa	Daniel Winterhalter	JPL
Janet Kozyura	U. Michigan		



Relationship of Roadmap to Decadal Survey



- Roadmap – Subpanel of the HPS
 - Reports to the HPS and includes direct input NASA personnel
 - Scope of the Roadmap plan is twenty years
 - Roadmap advice must be consistent with NASA budgets and current NASA budget assumptions
- Decadal Survey
 - Commissioned by NASA, NSF and other agencies
 - National Research Council advice on the state of the field, the most compelling science challenges, the highest priority science targets for future missions and a recommended strategy to achieve the science goals
 - Duration of the Decadal Report (DR) is ten years
 - The Report is produced completely independently from NASA HQ



Difference of the 2012 Roadmap from the 2009 Roadmap



- Relationship to previous Decadal survey
 - 6 year separation for 2009 RM
 - 6 month separation the 2012RM
- Duration
 - 2 years for the 2009 Roadmap
 - 6 months for the current Roadmap
- Lunar science initiative was very active during the 2009 RM
- US economic downturn had begun in during the 2009 RM but the budgetary implications were not known



Roadmap 2012



Charter:

- Align Decadal Survey science strategy with NASA Heliophysics Program
- Craft a sustainable science program that is achievable within HPD resources and constraints
- Construct a useful strategic plan with a notional scheme to guide the implementation of critical science in the HPD program
- High level mission studies, missions profiles tell what is to be learned, not how it is to be measured.



Nature of the 2012 (mini)Roadmap



- Roadmap – Implementation response to Decadal. Report to the HPS. Presents both long-term goals and nearer-term objectives. The Roadmap is the product of, and is periodically revised by, the science community at large.
- Decadal Report has produced a wealth of material covering:
 - Science: Challenges, Priorities, Strategies
 - Missions: Cost, technical readiness, measurement requirements
 - Inter-agency Relations: Especially with regard to Space Weather
- The key for the Roadmap is to focus on:
 - Align the science strategy developed by the Decadal with the Heliophysics Program over the next 10 years
 - Extend the strategy out to 2033
 - Follow the 2009 Roadmap paradigm of presenting a science priority with a flexible mission implementation approach consistent with the current (FY13) budget profile
 - Identify needed technology development
- Goal: Roadmap rollout January 2013. Town meeting at AGU in December 2012.



Community Input



- Primary input from the community is derived through the Decadal Report.
- Solicitation of Quad Charts
 - Template available at:
<http://heliophysics.nasa.gov/Roadmap2013.htm>
 - Announcements released to SolarNews and SPA news letter
- Community members are invited to provide input to members of the committee listed above.
- HelioPhysics Roadmap Blog
 - Roadmap email archived at:
<http://heliophysics2013roadmap.blogspot.com/>



Roadmap Committee Meetings



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- 9-July 2012 Telecon
 - 22-August 2012 Telecon
 - 6-7 September 2012
 - 10-October 2012 Telecon
 - 30-October 2012
 - 2-Dec-2012
 - AGU town hall 6-Dec-2012