

2005 Current Fiscal Year Report: Universe Exploration Strategic Roadmap Committee

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1. Department or Agency		2. Fiscal Year	
National Aeronautics and Space Administration		2005	
3. Committee or Subcommittee		3b. GSA Committee No.	
Universe Exploration Strategic Roadmap Committee		24628	
4. Is this New During Fiscal Year?	5. Current Charter	6. Expected Renewal Date	7. Expected Term Date
Yes	12/23/2004	12/23/2006	
8a. Was Terminated During Fiscal Year?	8b. Specific Termination Authority	8c. Actual Term Date	
Yes	NASA Administrator Letter to Congress, 4/28/05	04/28/2005	
9. Agency Recommendation for Next Fiscal Year	10a. Legislation Req to Terminate?	10b. Legislation Pending?	
Terminate	No	Enacted	
11. Establishment Authority	Agency Authority		
12. Specific Establishment Authority	13. Effective Date	14. Committee Type	14c. Presidential?
Public Law 85-568, As Amended, Section 203 (c)(7)	04/24/1997	Ad hoc	No
15. Description of Committee Other Committee			
16a. Total Number of Reports 1			
16b. Report Date	Report Title		

Universe Exploration: From the Big
Bang to Life -- A strategic roadmap
05/20/2005 of universe exploration to understand
its origin, structure, evolution and
destiny

Number of Committee Reports Listed: 1

17a. 4 **17b. Closed** 0 **17c. Partially Closed** 0 **Other Activities** 0 **17d. Total** 4
Open

Meetings and Dates

Purpose	Start	End
The purpose of the first meeting was to hold an initial set of briefings supporting preparation of the Strategic Roadmap for NASA Strategic Goal 8, "Understand the Origin, Structure, Evolution and Destiny of the Universe"	01/25/2005	01/26/2005
The purpose of the second meeting was to begin preparations on the Strategic Roadmap.	03/15/2005	03/16/2005
The purpose of the third (teleconference) meeting was to continue work on the Strategic Roadmap.	04/08/2005	04/08/2005
The purpose of the fourth (and final) meeting was to complete the Strategic Roadmap.	05/03/2005	05/04/2005

Number of Committee Meetings Listed: 4

	Current FY	Next FY
18a(1). Personnel Pmts to Non-Federal Members	\$0.00	\$0.00
18a(2). Personnel Pmts to Federal Members	\$72,555.00	\$0.00
18a(3). Personnel Pmts to Federal Staff	\$143,252.00	\$0.00
18a(4). Personnel Pmts to Non-Member Consultants	\$0.00	\$0.00
18b(1). Travel and Per Diem to Non-Federal Members	\$14,059.00	\$0.00
18b(2). Travel and Per Diem to Federal Members	\$0.00	\$0.00
18b(3). Travel and Per Diem to Federal Staff	\$0.00	\$0.00
18b(4). Travel and Per Diem to Non-member Consultants	\$0.00	\$0.00

18c. Other(rents,user			
charges, graphics, printing,	\$94,611.00	\$0.00	
mail, etc.)			
18d. Total	\$324,477.00	\$0.00	
19. Federal Staff Support			
Years (FTE)	1.00	0.00	

20a. How does the Committee accomplish its purpose?

The Committee met and determined the optimal suite of space missions to address the science goals called out in the NASA Strategic Goal 8, Understand the Origin, Structure, Evolution and Destiny of the Universe. The Roadmap covered: (1) the connection between the science goals and the science investigations required to meet these goals; and (2) a timeline for implementation of the mission suite that meets anticipated agency resources.

20b. How does the Committee balance its membership?

The membership was balanced among academic, industry, and Federal government members. The academic members were chosen to provide scientific expertise across the full scope of the strategic goal and to fairly represent the various science communities involved in the science goals of this Roadmap. The industry members provided unique insight from the aerospace industry on technical and implementation issues. The federal agency members were drawn from NASA, the Department of Energy and National Science Foundation so as to facilitate interagency cooperation on achieving science goals common within these agencies.

20c. How frequent and relevant are the Committee Meetings?

There were four meetings, one of them being a one-day teleconference.

20d. Why can't the advice or information this committee provides be obtained elsewhere?

Advisory input to NASA was required to provide a comprehensive, implementable Strategic Roadmap that addresses the science requirements dictated by the Strategic Goal.

20e. Why is it necessary to close and/or partially closed committee meetings?

N/A

21. Remarks

This committee was terminated at the direction of the NASA Administrator.

Designated Federal Officer

Michael Salamon

Committee Members	Start	End	Occupation	Member Designation
Benett, Charles	12/28/2004	05/22/2005	Senior Scientist	Regular Government Employee (RGE) Member
Flanagan, Kathryn	12/28/2004	05/22/2005	Research Scientist	Special Government Employee (SGE) Member
Hogan, Craig	12/28/2004	05/22/2005	professor and university vice-provost	Special Government Employee (SGE) Member
Kahn, Steven	12/28/2004	05/22/2005	professor	Special Government Employee (SGE) Member
Kinney, Anne	12/28/2004	05/22/2005	Director of Universe Division, Science Mission Directorate, NASA HQ	Regular Government Employee (RGE) Member
Ong, Rene	12/28/2004	05/22/2005	professor	Special Government Employee (SGE) Member

Phinney, Sterl	12/28/2004	05/22/2005	professor	Special Government Employee (SGE) Member
Polidan, Ron	12/28/2004	05/22/2005	industry specialist	Representative Member
Shull, Michael	12/28/2004	05/22/2005	professor	Special Government Employee (SGE) Member
Staffin, Robin	12/28/2004	05/22/2005	Division Director, High Energy Physics, Office of Science, DOE	Regular Government Employee (RGE) Member
Stern, Robert	12/28/2004	05/22/2005	industry specialist	Representative Member
Turner, Michael	12/28/2004	05/22/2005	Director of MPS, National Science Foundation	Regular Government Employee (RGE) Member
White, Nicholas	12/28/2004	05/22/2005	Director of Universe Exploration Division at NASA/Goddard Space Flight Center	Regular Government Employee (RGE) Member
van Zyl, Jacob	12/28/2004	05/22/2005	Division Director, JPL	Special Government Employee (SGE) Member

Number of Committee Members Listed: 14

Narrative Description

NASA's mission is to understand and protect our home planet, to explore the universe and search for life, and to inspire the next generation of explorers. This mission reflects the goals of the President's Vision for Space Exploration. The committee obtains broadly based expert advice to support the Agency's development of a strategic plan for implementation of NASA's mission and the Vision. Specifically, this committee provides a Roadmap report for meeting the Agency Strategic Goal of understanding the origin, structure, evolution and destiny of the universe.

What are the most significant program outcomes associated with this committee?

Checked if
Applies

Improvements to health or safety	<input type="checkbox"/>
Trust in government	<input type="checkbox"/>
Major policy changes	<input type="checkbox"/>
Advance in scientific research	<input checked="" type="checkbox"/>
Effective grant making	<input type="checkbox"/>
Improved service delivery	<input type="checkbox"/>
Increased customer satisfaction	<input checked="" type="checkbox"/>
Implementation of laws or regulatory requirements	<input type="checkbox"/>
Other	<input type="checkbox"/>

Outcome Comments

NA

What are the cost savings associated with this committee?

Checked if Applies

None	<input type="checkbox"/>
Unable to Determine	<input checked="" type="checkbox"/>
Under \$100,000	<input type="checkbox"/>
\$100,000 - \$500,000	<input type="checkbox"/>
\$500,001 - \$1,000,000	<input type="checkbox"/>
\$1,000,001 - \$5,000,000	<input type="checkbox"/>
\$5,000,001 - \$10,000,000	<input type="checkbox"/>
Over \$10,000,000	<input type="checkbox"/>
Cost Savings Other	<input type="checkbox"/>

Cost Savings Comments

NA

What is the approximate Number of recommendations produced by this committee for the life of the committee?

1

Number of Recommendations Comments

The single recommendation takes its form as a space mission suite roadmap timeline, in which all the missions required to satisfy the science goals are specified and sequenced.

What is the approximate Percentage of these recommendations that have been or will be Fully implemented by the agency?

5%

% of Recommendations Fully Implemented Comments

By its nature, the recommendations of this committee are given as a single Roadmap document which lists the recommended space missions and their timeline. Since this Roadmap extends out to the 2030 time frame and beyond, only a small fraction of the elements of the recommendation have been currently satisfied.

What is the approximate Percentage of these recommendations that have been or will be Partially implemented by the agency?

5%

% of Recommendations Partially Implemented Comments

Most of the recommended missions have not yet been initiated or flown.

Does the agency provide the committee with feedback regarding actions taken to implement recommendations or advice offered?

Yes ☐ No ☒ Not Applicable ☐

Agency Feedback Comments

NA

What other actions has the agency taken as a result of the committee's advice or recommendation?

Checked if Applies

Reorganized Priorities	<input checked="" type="checkbox"/>
Reallocated resources	<input checked="" type="checkbox"/>
Issued new regulation	<input type="checkbox"/>
Proposed legislation	<input type="checkbox"/>
Approved grants or other payments	<input type="checkbox"/>
Other	<input type="checkbox"/>

Action Comments

NA

Is the Committee engaged in the review of applications for grants?

No

Grant Review Comments

NA

How is access provided to the information for the Committee's documentation?

Checked if Applies

Contact DFO



Online Agency Web Site



Online Committee Web Site



Online GSA FACA Web Site



Publications



Other



Access Comments

NA