

2005 Current Fiscal Year Report: Search for Earth-Like Planets Strategic Roadmap Committee

Report Run Date: 05/10/2021 04:29:27 PM

1. Department or Agency

National Aeronautics and Space Administration

2. Fiscal Year

2005

3. Committee or Subcommittee

Search for Earth-Like Planets Strategic Roadmap Committee

3b. GSA Committee No.

24624

4. Is this New During Fiscal Year?

Yes

5. Current Charter

12/23/2004

6. Expected Renewal Date

12/23/2006

7. Expected Term Date

03/23/2006

8a. Was Terminated During Fiscal Year?

Yes

8b. Specific Termination Authority

NASA Administrator Letter to Congress, 4/28/05

8c. Actual Term Date

05/22/2005

9. Agency Recommendation for Next Fiscal Year

Terminate

10a. Legislation Req to Terminate?

No

10b. Legislation Pending?

Enacted

11. Establishment Authority Agency Authority

12. Specific Establishment Authority

NASA Administrator Letter to Congress, 12/23/04

13. Effective Date

12/23/2004

14. Committee Type

Ad hoc

14c. Presidential?

No

15. Description of Committee Other Committee

16a. Total Number of Reports

1

16b. Report Date

05/22/2005

Report Title

Strategic Roadmap #4: To conduct advanced telescope searches for Earth-like planets and habitable environments around neighboring stars

Number of Committee Reports Listed: 1

17a. Open 3 17b. Closed 0 17c. Partially Closed 0 Other Activities 0 17d. Total 3

Meetings and Dates

Purpose

The purpose of the first meeting was to gather information from astronomical community's legacy roadmap for planet finding, and accept public input on planet finding strategies and methods.

Start

02/15/2005 - 02/16/2005

End

The purpose of the second meeting was to discuss the draft roadmap, key decision points, and scientific parameters important to the search for Earth-like planets.

03/29/2005 - 03/30/2005

The purpose of the third meeting was to finalize the text version of the Strategic Roadmap, create an executive summary, and create a PowerPoint slide version.

05/16/2005 - 05/17/2005

Number of Committee Meetings Listed: 3

	Current FY	Next FY
18a(1). Personnel Pmts to Non-Federal Members	\$0.00	\$0.00
18a(2). Personnel Pmts to Federal Members	\$92,549.00	\$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	\$12,916.00	\$0.00
18b(2). Travel and Per Diem to Federal Members	\$5,854.00	\$0.00
18b(3). Travel and Per Diem to Federal Staff	\$1,000.00	\$0.00
18b(4). Travel and Per Diem to Non-member Consultants	\$0.00	\$0.00
18c. Other(rents,user charges, graphics, printing, mail, etc.)	\$101,435.00	\$0.00
18d. Total	\$357,006.00	\$0.00
19. Federal Staff Support Years (FTE)	1.00	0.00

20a. How does the Committee accomplish its purpose?

The committee met to hear presentations from individual experts in the scientific and technical aspects of their charter and to develop a strategic roadmap focused on the search for Earth-like planets and habitable environments around neighboring stars. The committee members discussed these presentations in the context of their own expertise and identified areas to be studied further between meetings, with the intention of producing a roadmap identifying critical investigations to be undertaken by NASA to further specific areas of scientific inquiry.

20b. How does the Committee balance its membership?

The membership appointments attempted to strike a balanced distribution, suitable for its specific focus, with broad representation from government, industry, and the academic community.

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

The committee met three times during its period of performance. The meetings followed agendas prepared in advance that were designed to ensure a full exposure of issues related to its charter and to permit adequate discussion of these issues by the membership.

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

The committee was established to develop a strategic roadmap in its chartered domain based on expertise resident within and outside of NASA. A strategic roadmap is a coordinated and comprehensive longitudinal strategy that identifies key objectives and time-phased implementation elements, potential achievements, priorities, options, and

decision points and criteria. The roadmap is to be subsequently used by NASA to inform decisions on scientific objectives, resource allocation, and technology investments.

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

Eric P Smith JWST Program Scientist

Committee Members	Start	End	Occupation	Member Designation
Asrar, Ghassem	12/29/2004	05/22/2005	NASA Headquarters	Regular Government Employee (RGE) Member
Burrows, Adam	12/29/2004	05/22/2005	University of Arizona	Special Government Employee (SGE) Member
Chodil, Jerry	12/29/2004	05/22/2005	Ball Aerospace (ret.)	Special Government Employee (SGE) Member
Greene, Tom	12/29/2004	05/22/2005	NASA Ames Research Center	Regular Government Employee (RGE) Member
Heath, Maureen	12/29/2004	05/22/2005	Northrop-Grumman Space Technology	Special Government Employee (SGE) Member
Marcy, Geoff	12/29/2004	05/22/2005	University of California, Berkeley	Special Government Employee (SGE) Member
Martin, Frank	12/29/2004	05/22/2005	Lockheed-Martin (ret.)	Special Government Employee (SGE) Member
Mather, John	12/29/2004	05/22/2005	NASA Goddard Space Flight Center	Regular Government Employee (RGE) Member
Meadows, Victoria	12/29/2004	05/22/2005	Spitzer Science Center	Special Government Employee (SGE) Member
Spergel, David	12/29/2004	05/22/2005	Princeton University	Special Government Employee (SGE) Member
Tyson, Neil	12/29/2004	05/22/2005	Hayden Planetarium, American Natural History Museum	Special Government Employee (SGE) Member
Weinberger, Alycia	12/29/2004	05/22/2005	Department of Terrestrial Magnetism, Carnegie Institution of Washington	Special Government Employee (SGE) Member

Number of Committee Members Listed: 12

Narrative Description

The search for Earth-like planets was deemed to be critical to the President's Vision for Space Exploration. The committee members discussed NASA's planet-finding options and strategies in the context of their own expertise and identify areas to be studied further, with the intention of producing a roadmap identifying critical investigations to be undertaken by NASA to advance specific areas of scientific inquiry.

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

Checked if Applies

- Improvements to health or safety
- Trust in government
- Major policy changes
- Advance in scientific research
- Effective grant making
- Improved service delivery
- Increased customer satisfaction
- Implementation of laws or regulatory requirements
- Other

Outcome Comments

NA

What are the cost savings associated with this committee?

Checked if Applies

- None
- Unable to Determine
- Under \$100,000
- \$100,000 - \$500,000
- \$500,001 - \$1,000,000
- \$1,000,001 - \$5,000,000
- \$5,000,001 - \$10,000,000
- Over \$10,000,000
- Cost Savings Other

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 committee produced a plan with branching options that could be invoked by NASA as its planet-finding program unfolds.

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

0%

% of Recommendations Fully Implemented Comments

NA

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

100%

% of Recommendations Partially Implemented Comments

NA

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 type="checkbox"/>
Reallocated resources	<input 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