



National Aeronautics and
Space Administration

2025 NASA SCIENCE

**NASA Decadal Astrobiology
Research and Exploration Strategy
(NASA-DARES)**

Rachel L. Harris, Ph.D.

NASA Postdoctoral Management Program Fellow
Astrobiology Program, Planetary Sciences Division
Mary W. Jackson NASA Headquarters



**Join the
Astrobiology
mailing list!**

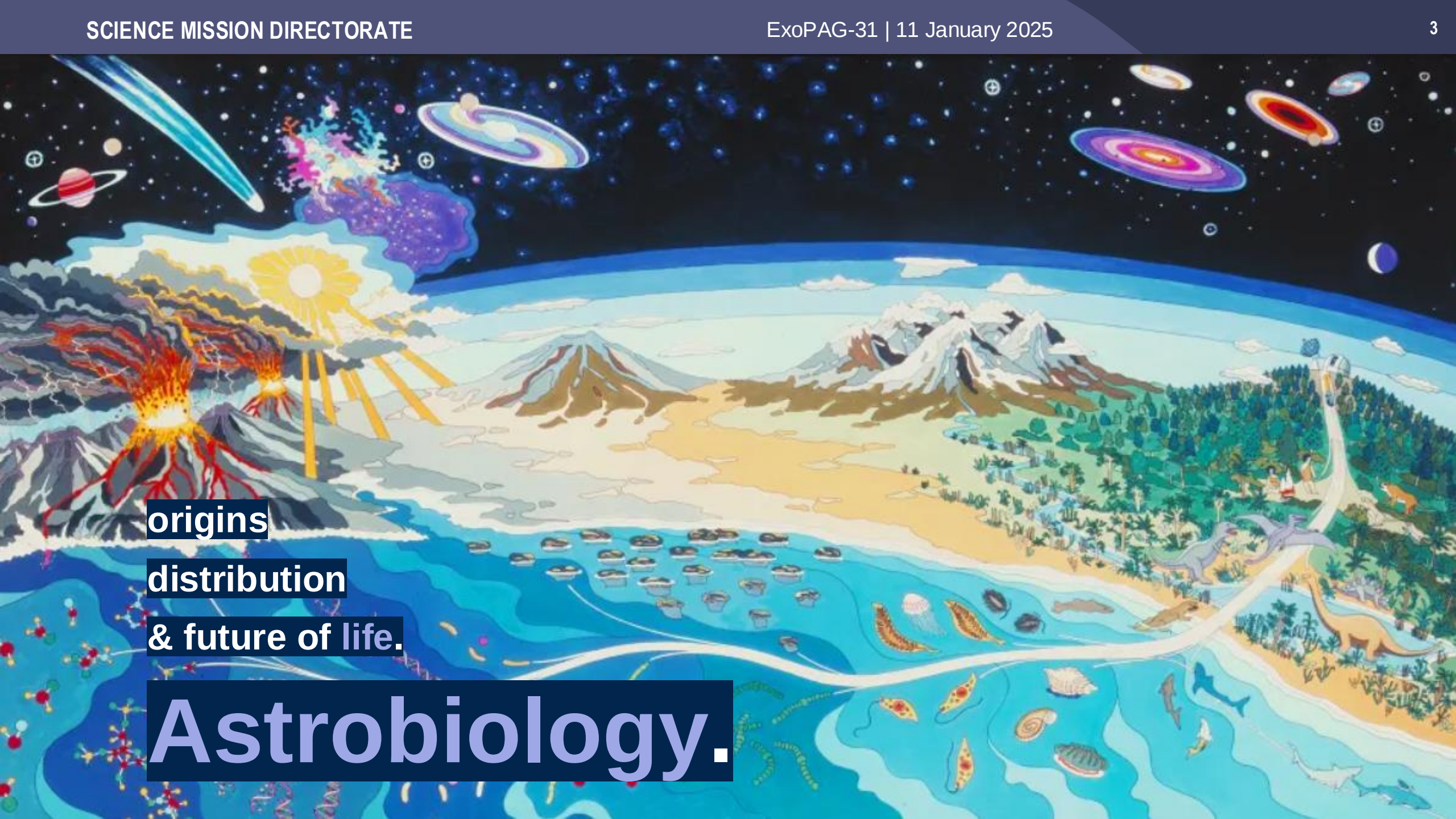
Overview

01 Background
History of the NASA
Astrobiology Strategy

02 Astrobiology Federation
Bridging across NASA
divisions/directorates

03 NASA-DARES
RFI and next steps





origins

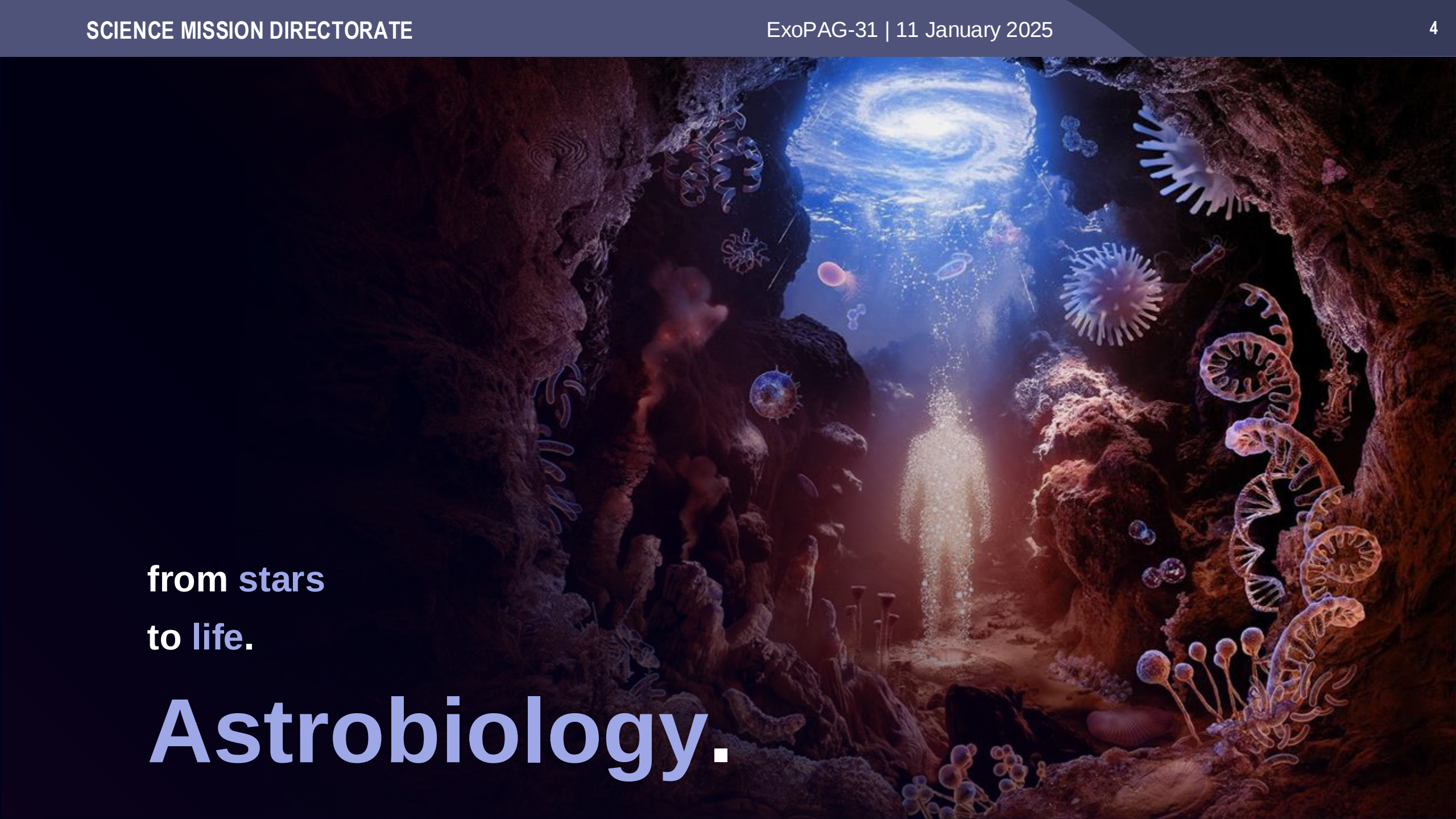
distribution

& future of life.

Astrobiology.

from stars
to life.

Astrobiology.





1998



2003



2008



2015



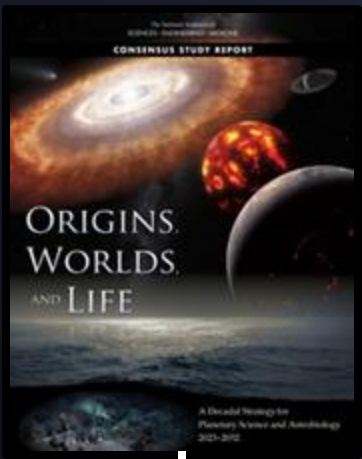
2018



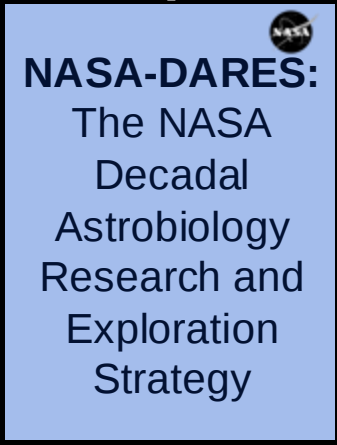
2019



2023



2026



NASA



NASEM

ASTROBIOLOGY @ NASA

Science Mission Directorate



Heliophysics

Living With a Star Program

Understanding the Sun-Earth system as it affects life and society

Atmospheric loss and habitability in the presence of a star



Earth Science

Earth Science Technology Office

Linking climate and habitability

Ocean Worlds



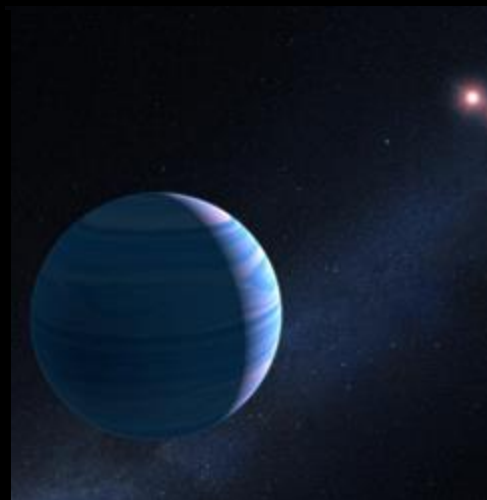
Planetary Science

Astrobiology Program "home"

Planetary Exploration Science Technology Office

Mars Exploration Program

Prebiotic & evolution of life and biospheres



Astrophysics

Exoplanet Exploration Program

*Habitable Worlds Observatory
Searching for habitable worlds in extrasolar systems*



Biological and Physical Sciences

Space Biology Program

Supporting the future of Earth life elsewhere

ASTROBIOLOGY @ NASA *beyond SMD*



Heliophysics

Living With a Star Program

Understanding the Sun-Earth system as it affects life and society

Atmospheric loss and habitability in the presence of a star

Earth Science

Earth Science Technology Office

Linking climate and habitability

Ocean Worlds

Planetary Science

Astrobiology Program "home"

Planetary Exploration Science Technology Office

Mars Exploration Program
Prebiotic & evolution of life and biospheres

Astrophysics

Exoplanet Exploration Program

Habitable Worlds Observatory

Searching for habitable worlds in extrasolar systems

Biological and Physical Sciences

Space Biology Program

Supporting the future of Earth life elsewhere

Exploration Science Strategy and Integration Office

Defining scientific goals for human exploration

Office of International and Interagency Relations

NASA/NSF Interagency Act

Astrobiology & Oceanography, Astronomical Sciences, and Polar Science

ASTROBIOLOGY FEDERATION @ NASA HQ

Initial Membership:



Becky McCauley Rench (*Ex officio*)
Program Scientist for Astrobiology



Lynn Clary
Program Scientist, Space Biology
Biological and Physical Sciences Division



Lindsay Hays
Senior Scientist for Mars Exploration



Kelsey Bisson
Program Scientist, Ocean Biology and
Biogeochemistry, Earth Science Division



John McCormack
Living With a Star Program Lead
Heliophysics Division



David Grinspoon
Senior Scientist for Astrobiology Strategy



Megan Ansdel
Program Scientist, Habitable Worlds
Observatory, Astrophysics Division



Rachel Harris
NASA Postdoctoral Management Program
Fellow, Astrobiology Program



Hannah Jang-Condell
Program Scientist
JWST, Astrophysics Division



Kennda Lynch
Program Scientist, Exploration Science
Strategy Integration Office



David Smith
Program Scientist,
Planetary Science Division



NASA is seeking YOUR input in
the development of the next
Astrobiology Strategy!

Request for Information

Development of NASA-DARES 2025:

The NASA Decadal Astrobiology Research and Exploration Strategy



- NSPIRES Solicitation Number: NNH25ZDA002L
- 5 pages maximum including references
- 1 Primary Topic + up to 3 Secondary Topics per response
- No limit to the number of individual responses
- Response deadline: February 4, 2025 @ 11:59 PM ET*

<https://go.nasa.gov/ABStrategyRFI>

Questions and comments about the RFI can be emailed to:

HQ-RFIastrobio@mail.nasa.gov

Requested RFI Response Topics

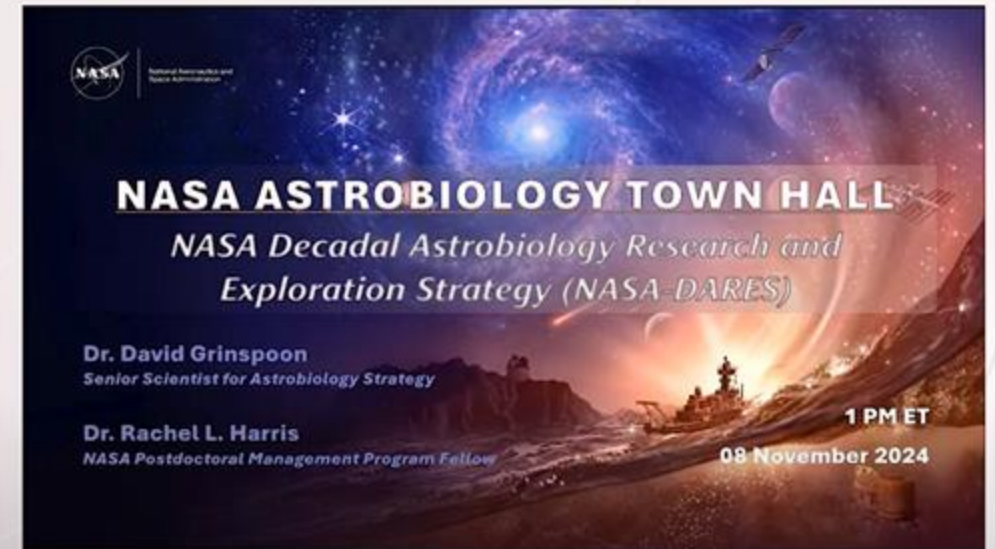
1	Review Recent Advancements	4	Incorporate & Synthesize Recent Recommendations	7	Astrobiology and Human Space Exploration
2	Identifying Emerging Themes & Technologies	5	Strengthen Community	8	Prepare for the Discovery of Life Beyond Earth and Subsequent Post-Discovery Activities
3	Foster Cross-Divisional and Cross-Directorate Collaboration	6	Evaluate Astrobiology's Role in Missions	9	Additional or Other Relevant Topic

Check out our Nov.
8th Town Hall for
more information!



<https://www.youtube.com/watch?v=SRcGNR42QhI>

NASA ASTROBIOLOGY TOWN HALL: NASA DARES 2025





Community White Papers for NASA Decadal Astrobiology Research and Exploration Strategy (NASA-DARES 2025)

NASA is requesting input to the NASA Decadal Astrobiology Research and Exploration Strategy (NASA-DARES 2025) via community white papers due on February 4, 2025. More information can be found at <https://go.nasa.gov/ABStrategyRFI>

ExoPAG is inviting community members to coordinate white paper preparation for responding to the NASA Decadal Astrobiology Research and Exploration Strategy (NASA-DARES) at [this Google spreadsheet](#).

For more information contact exopag-info@jpl.nasa.gov



<https://exoplanets.nasa.gov/exep/exopag/NASA-DARES/>



NASA-DARES:

The NASA Decadal Astrobiology Research and Exploration Strategy

*A new, comprehensive, broad
community-sourced Astrobiology
Strategy for the next decade and
beyond.*



<https://go.nasa.gov/ABStrategyRFI>
Questions/Comments: HQ-RFlastrobio@mail.nasa.gov

