



National Aeronautics and  
Space Administration

# ExoPAG 30

Astrobiology Science Conference (AbSciCon) 2024

May 5-10 Providence, RI

Hannah Jang-Condell

ExEP Program Scientist

John Wisniewski

ExoPAG Executive Secretary



# ExoPAG Code of Conduct

Attendees of ExoPAG Meeting are expected to abide by the following Code of Conduct.

The organizers are committed to making this meeting productive and enjoyable for everyone, regardless of gender, sexual orientation, disability, physical appearance, body size, race, nationality or religion. We will not tolerate harassment or bullying of participants in any form. Please follow these guidelines:

- Behave professionally. Harassment, bullying, and sexist, racist, or exclusionary comments or jokes are not appropriate. Harassment includes sustained disruption of talks or other events, inappropriate physical contact, sexual attention or innuendo, deliberate intimidation, stalking, and photography or recording of an individual without consent. It also includes offensive comments related to gender, sexual orientation, disability, physical appearance, body size, race or religion.
- All communication should be appropriate for a professional audience including people of many different backgrounds. Sexual language and imagery is not appropriate.
- Be kind to others. Do not insult or put down other attendees. Critique ideas, not people.
- If participants wish to share photos or contents of talks/slides of any attendee or speaker on social media, we ask that they first get permission.

Participants asked to stop any inappropriate behavior are expected to comply immediately.

Attendees violating these rules will be asked to leave the event at the sole discretion of the organizers.

Any participant who wishes to report a violation of this policy is asked to speak, in confidence, to John Wisniewski ([john.p.wisniewski@nasa.gov](mailto:john.p.wisniewski@nasa.gov)) or Ilaria Pascucci ([pascucci@arizona.edu](mailto:pascucci@arizona.edu))

This code of conduct is based on the "London Code of Conduct", as originally designed for the conference "Accurate Astrophysics. Correct Cosmology", held in London in July 2015. The London Code of Conduct was adapted with permission by Andrew Pontzen and Hiranya Peiris from a document by Software Carpentry, which itself derives from original Creative Commons documents by PyCon and Geek Feminism. It is released under a CC-Zero license for reuse. To help track people's improvements and best practice, please retain this acknowledgement, and log your re-use or modification of this policy.

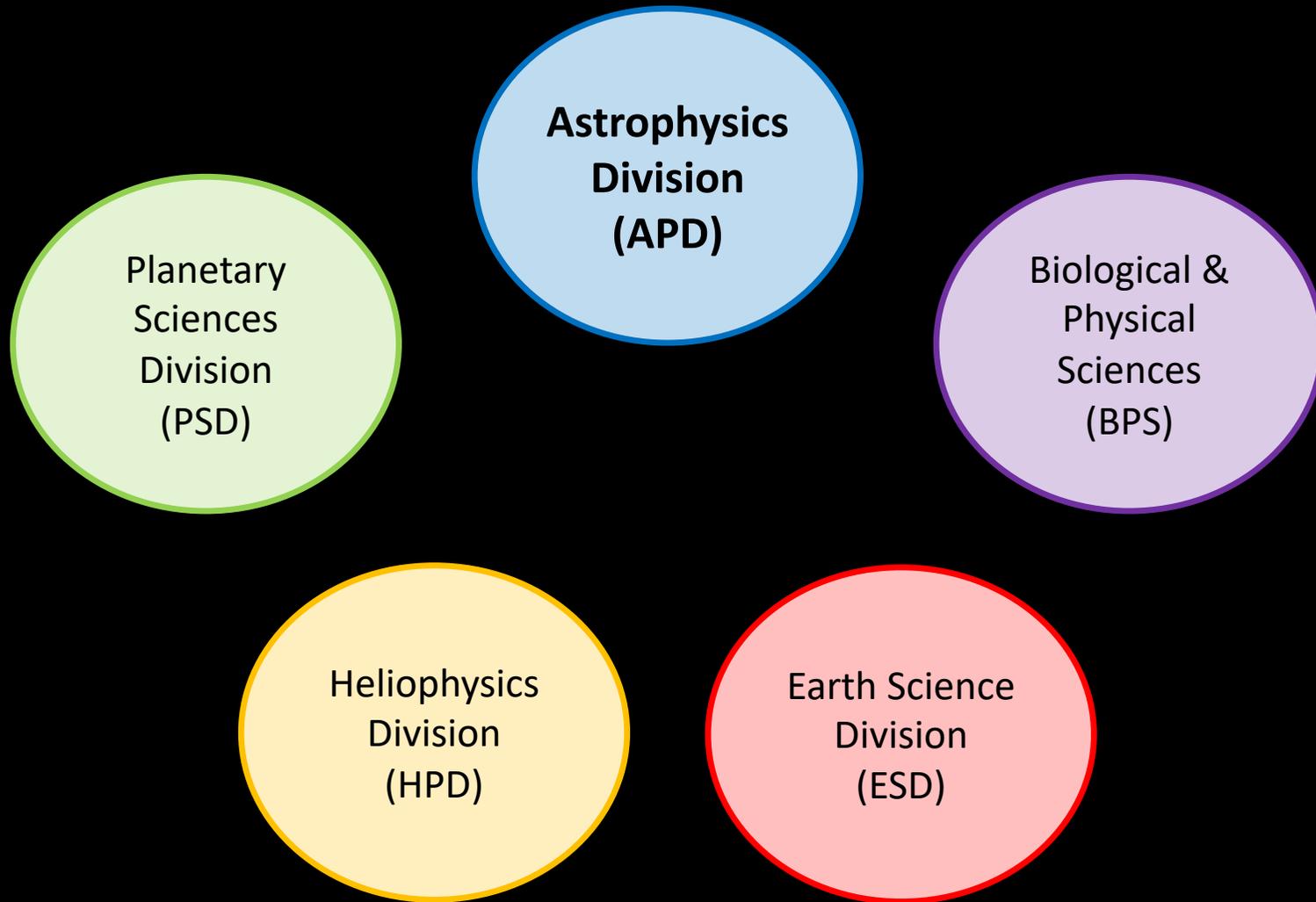


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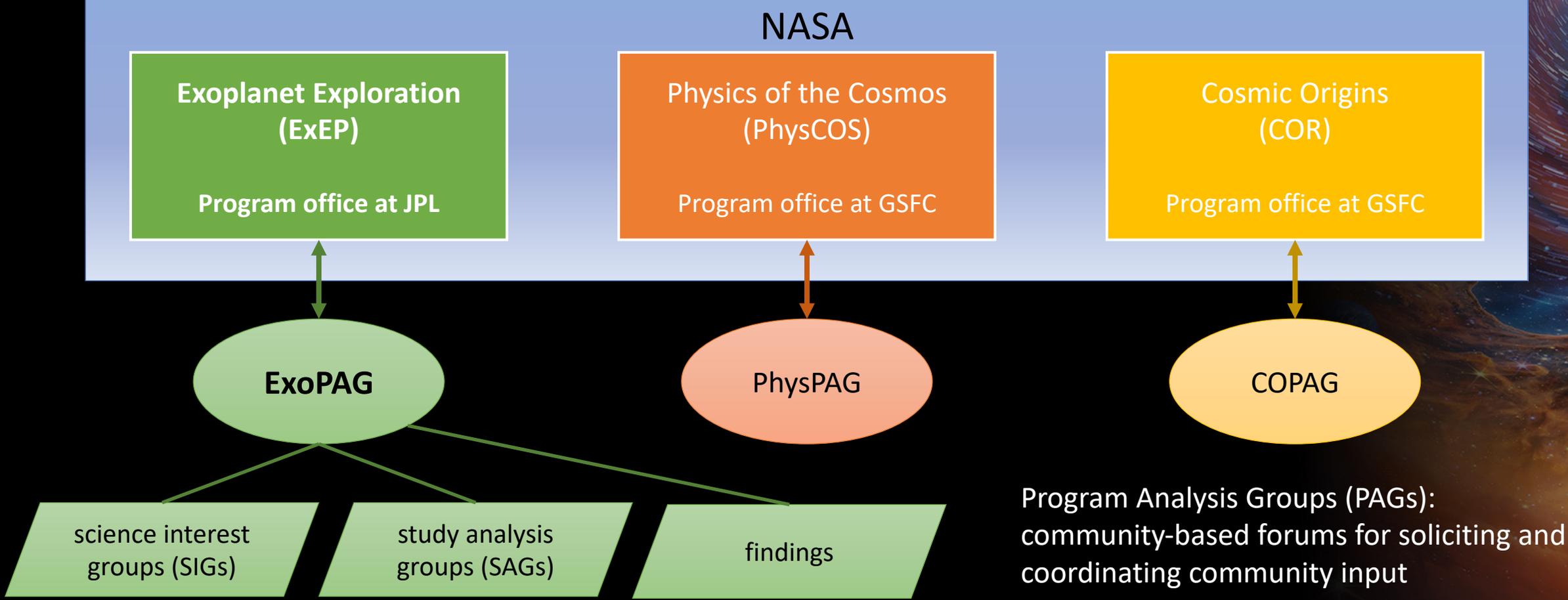


# Overview of NASA and the ExoPAG

# NASA Science Mission Directorate (SMD)



# NASA APD Focused Programs



More about the ExoPAG: <https://exoplanets.nasa.gov/exep/exopag/overview>

# The ExoPAG Executive Committee

Name	Home Institution
<b>Ilaria Pascucci (Chair)</b>	University of Arizona
Thomas Beatty	University of Wisconsin-Madison
Ian Crossfield	University of Kansas
Chuanfei Dong	Boston University
Diana Dragomir	Univ. of New Mexico
Kate Follette	Amherst College
Julien Girard	STScI
Samson Johnson	JPL
Erin May	JHU Applied Physics Lab
Bertrand Mennesson	JPL
Sarah Peacock	NASA GSFC
Malena Rice	Yale University
Lily Zhao	Flatiron Institute

## Programmatic Support:

John Wisniewski, NASA HQ  
 – Executive Secretary, NASA POC  
 TBD, NASA HQ  
 – Planetary Science Division Liaison  
 Richard Eckman, NASA HQ  
 – Earth Science Division Liaison  
 Galen Fowler, NASA HQ  
 – Heliophysics Division Liaison  
 Exoplanet Exploration Program Office  
 – JPL - Logistics

# NASA PSD Analysis/Assessment Groups (AGs)

- Extraterrestrial Materials Analysis Group (ExMAG)
  - <https://www.lpi.usra.edu/exmag/>
- Lunar Exploration Analysis Group (LEAG)
  - <https://www.lpi.usra.edu/leag/>
- Mapping and Planetary Spatial Infrastructure Team (MAPSIT)
  - <https://www.lpi.usra.edu/mapsit/>
- Mars Exploration Analysis Group (MEPAG)
  - <https://mepag.jpl.nasa.gov/>
- Mercury Exploration Assessment Group (MExAG)
  - <https://www.lpi.usra.edu/mexag/>
- Outer Planets Assessment Group (OPAG)
  - <https://www.lpi.usra.edu/opag/>
- Small Bodies Assessment Group (SBAG)
  - <https://www.lpi.usra.edu/sbag/>
- Venus Exploration Analysis Group (VEXAG)
  - <https://www.lpi.usra.edu/vexag/>

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# NASA HQ Updates

# HQ Personnel Updates

<b>Role</b>	<b>APD XRP Program Scientist</b>	<b>PSD XRP Program Scientist</b>	<b>ExoPAG Executive Secretary</b>
<b>Outgoing</b>	Hannah Jang-Condell	Megan Ansdell	Hannah Jang-Condell
<b>Incoming</b>	John Wisniewski	Hannah Jang-Condell	John Wisniewski

# Great Observatories Maturation Program (GOMAP) HQ Team



**Megan Ansdell**  
Program Scientist



**Joshua Pepper**  
Deputy Program Scientist



**Julie Crooke**  
Program Executive

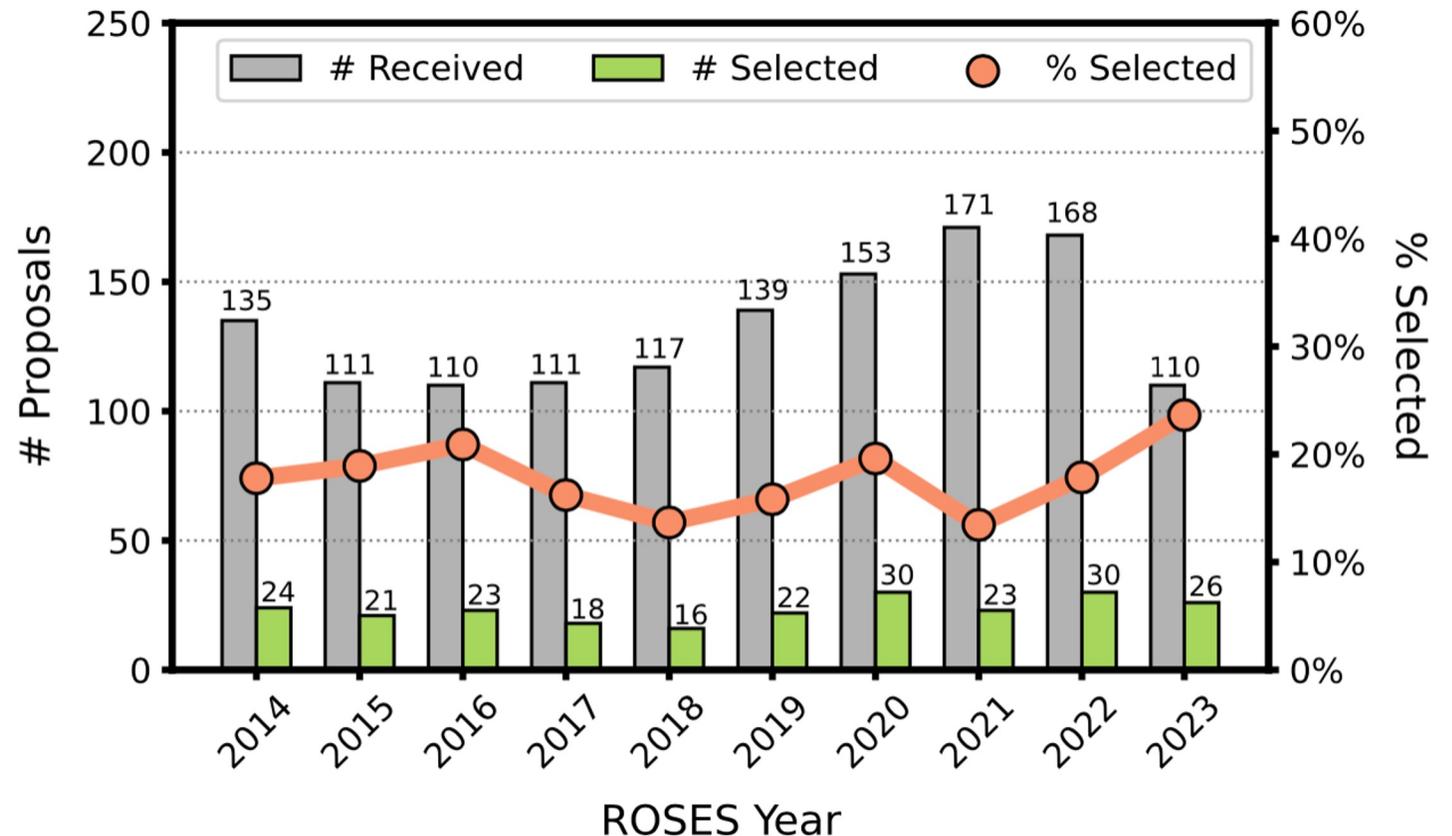
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# Research Updates

# Exoplanets Research Program (XRP) Updates

- Since ROSES-20, exoplanet research has been **consolidated into XRP**. Exoplanet technology development remains in APRA.
- XRP **submission rates** in ROSES-23 down significantly from previous years (R&A programs across SMD have seen decreases since ROSES-22).
- XRP **selection rates** have continued to improve since ROSES-21.

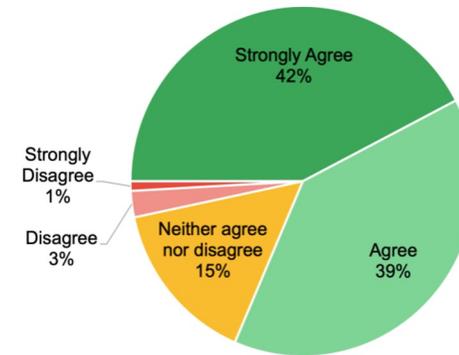


# R&A Deadlines

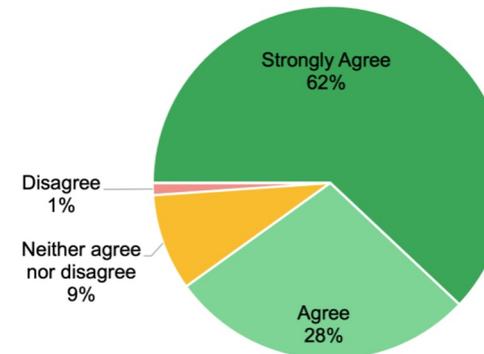
- D.2 Astrophysics Data Analysis (ADAP): May 16, 2024
- F.3 Exoplanet Research Program (XRP) Step-2: May 31, 2024
- F.4 Habitable Worlds Step-1: Nov 8, 2024; Step-2 Jan 31, 2025
- No proposal due dates (open submissions): C.2 Emerging Worlds, C.3 Solar System Workings; C.4 Planetary Data Archiving, Restoration, and Tools (PDART)

# XRP & Dual Anonymous Peer Review (DAPR)

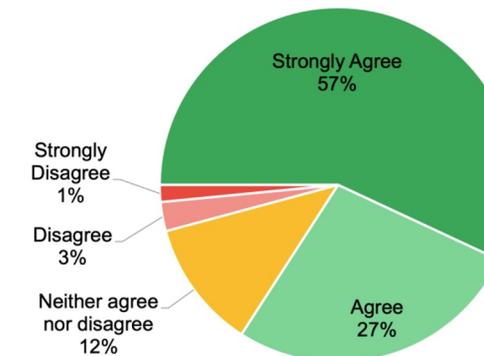
- XRP-23 was the program's **3<sup>rd</sup> year** under the Dual-Anonymous Peer Review (DAPR) process.
- Proposals with **egregious DAPR violations** (e.g., team member info in anonymized PDF, usage of author-date citations) will be returned without review.
- Most **common violations** are gender pronouns in anonymized PDF (esp. Budget Narrative, Work Effort, OSDMP) and improperly/incompletely redacted budgets (e.g., blacked-out but not redacted).
- Reach out to XRP Program Officers well ahead of proposal deadline with DAPR questions! General DAPR questions may be directed to **DAPR Director Douglas Hudgins** [douglas.m.hudgins@nasa.gov](mailto:douglas.m.hudgins@nasa.gov)



*DAPR improved overall quality of peer review: 81% (strongly) agree*



*DAPR led to panel discussions focusing on science rather than on team members: 90% (strongly) agree*



*DAPR should be implemented in the future for the given program: 84% (strongly) agree*

# Pilot "step-1" budget: ADAP

- NO NSPIRES budget is required. Rather, teams submit:
  - Anonymous work effort table;
  - Single page budget justification;
  - Identify the planned duration and cost cap under which the proposal is submitted: small (<\$125k /yr), medium (<\$200k /yr), large (>\$200k /yr)
- Detailed budgets would be requested for some proposals after the proposal review. NASA POs will review these budgets in detail and may request changes in scope based on review outcomes and availability of funds.

# TESS Extended Mission Planning

- NASA's Transiting Exoplanet Survey Satellite (TESS) mission invites the astronomy community's input on science cases that should be prioritized in future extended missions. The format is short 1-2 paragraph science pitches.
- Submission link:  
<https://docs.google.com/forms/d/e/1FAIpQLSeZCXVEhuzt62fp5IC-Pio2-f2kPkD8SGevzbODYDsp82OGGg/viewform>
- Submission deadline: **June 14, 2024**

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# Get Involved

# Stay Connected with NASA

NSPIRES mailing list – information about NASA solicitations

- <https://nspires.nasaprs.com/>

Cosmic Origins mailing list, Exoplanet Exploration mailing list, Physics of the Cosmos mailing list – information about NASA missions and science

- <https://cor.gsfc.nasa.gov/cornews-mailing-list.php>
- <https://exoplanets.nasa.gov/exep/exopag/announcementList/>
- <https://pcos.gsfc.nasa.gov/pcosnews-mailing-list.php>

NASA Astrophysics Federal Advisory Committees

- Astrophysics Advisory Committee (APAC)  
<https://science.nasa.gov/researchers/nac/science-advisory-committees/apac>
- NASEM Committee on Astronomy and Astrophysics (CAA)  
[http://sites.nationalacademies.org/bpa/bpa\\_048755](http://sites.nationalacademies.org/bpa/bpa_048755)
- Astronomy and Astrophysics Advisory Committee (AAAC)  
<https://www.nsf.gov/mps/ast/aaac.jsp>

Sign up to be a panel reviewer:

- <https://science.nasa.gov/researchers/volunteer-review-panels>



# Volunteer to Serve on a NASA Peer Review Panel

## Personal professional development:

- See how the whole review process works
- Learn what constitutes excellent proposals
- Network with your professional colleagues and NASA scientific staff

## Institutional achievement:

- Improve at competing for NASA money
- Increase knowledge of NASA's research and technology programs

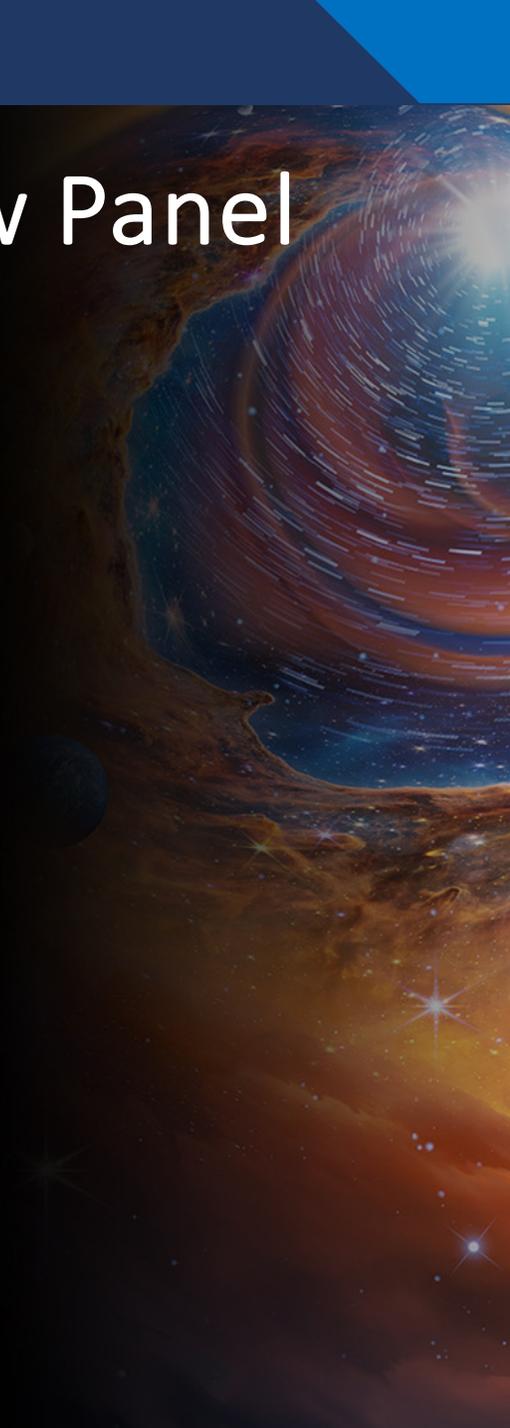
## Investment in the future:

- Help select the most transformative science
- Ensure that all proposals receive a fair and competent review

All reviewers receive an honorarium from NASA

## Sign up to be a panel reviewer:

- <https://science.nasa.gov/researchers/volunteer-review-panels>
- or contact a NASA program officer (for contact info, see <https://science.nasa.gov/researchers/sara/program-officers-list>)





Questions?