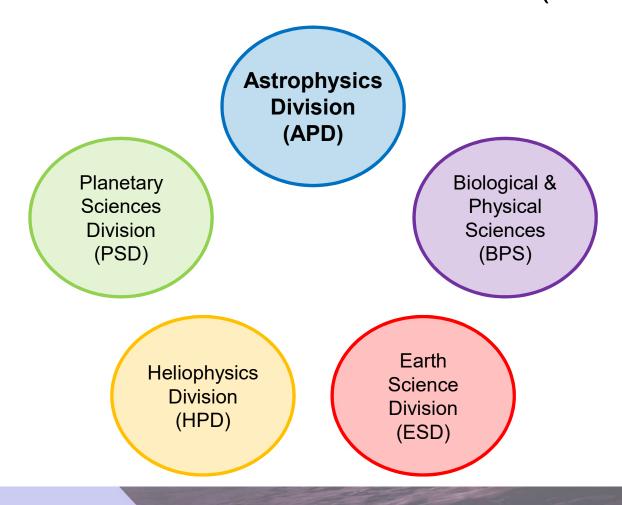




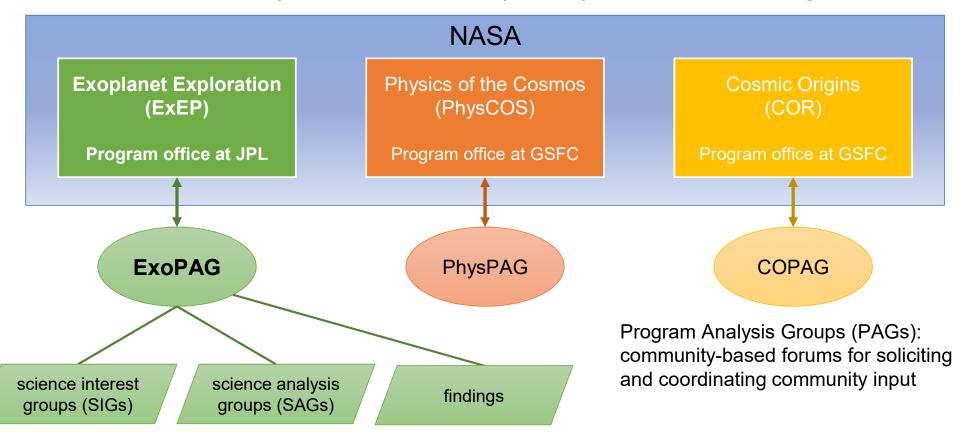
An Overview of NASA and the ExoPAG



NASA Science Mission Directorate (SMD)



NASA Astrophysics Division (APD) Focused Programs



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

ExoPAG Executive Committee

https://exoplanets.nasa.gov/exep/exopag/overview

- The ExoPAG is led by a Chair appointed from the exoplanet community to serve a 3year term.
- The ExoPAG Chair is supported by a 10-12-member Executive Committee (EC)
 - EC members are selected to reflect a cross-section of the exoplanet exploration stakeholder community;
 - o EC members are solicited annually and appointed to rotating 3-year terms.
- Together, the ExoPAG Chair and EC comprise a steering group that is responsible for keeping the community informed of ongoing activities and opportunities within the ExoPAG, capturing and organizing community input, and overseeing ExoPAG analyses.
- Service on the EC provides an excellent opportunity to:
 - Initiate a Science Analysis/Interest Group.
 - Review and contribute to the ExEP Science and Technology Development Gap Lists.
 - Contribute to APD's efforts to increase diversity, equity, and inclusion at NASA and in the community.
 - Interact with excellent colleagues.
 - o Inspire the next generation.
 - o Have an impact within our community.



The ExoPAG Executive Committee

Name	Home Institution	
Ilaria Pascucci (Chair)	Univ. Arizona	
Michael Meyer (past chair)	Univ. of Michigan	
Michael Bottom	Univ. Hawaii	
Ofer Cohen	Univ. Mass. Lowell	
Knicole Colón	NASA GSFC	
Ian Crossfield	Univ. of Kansas	
Diana Dragomir	Univ. of New Mexico	
Kate Follette	Amherst College	
Natalie Hinkel	Louisiana State Univ.	
Samson Johnson	JPL	
Erin May	JHU Applied Physics Lab	
Bertrand Mennesson	JPL	
Malena Rice	Yale Univ.	
Lily Zhao Flatiron Institute		

Programmatic Support:

- Hannah Jang-Condell, NASA HQ Executive Secretary, NASA POC
- Megan Ansdell, 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

Join the ExoPAG EC!

NASA anticipates making new appointments to the ExoPAG EC, replacing current members of the committee who have reached the end of their appointments. New appointments will start in the Spring of 2024 and will be for a period of three years.

See the recruitment letter for more details: https://exoplanets.nasa.gov/internal_resources/2540/

The deadline for nominations is expected to be in February, 2024.

Questions?

Contact Hannah Jang-Condell (hannah.jang-condell@nasa.gov)



NASA HQ Update





NASA HQ Personnel

Douglas Hudgins ExEP Program Scientist

> Hannah Jang-Condell ExEP Associate Program Scientist ExoPAG Executive Secretary



Joshua Pepper ExEP Deputy Program Scientist

> Megan Ansdell ExEP Planetary Science Division Liaison



Lucas Pagannini ExEP Program Executive



New Senior Scientist for Astrobiology Strategy (SSAS)

Expand the astrobiology program within NASA and beyond.

- Increased cross-divisional & cross-directorate activity in Astrobiology at NASA (Remedy "siloing")
- Interagency programs (NSF, USGS, NIH...)
- Revitalized international connections & collaborations
- Public/private partnerships
- Role in missions
- Post discovery planning: communication strategy, science strategy



David Grinspoon



Lindsay Hays New Astrobiology Program Scientist - Managing most existing Astrobiology

research programs.

Exoplanets in NASA Astrophysics Research and Analysis

Including:

- D.10 TESS General Investigator
- D.14 Roman Mission Research and Support Participation Opportunities
- D.16 Astrophysics Decadal Survey Precursor Science
- D.18 Extreme Precision Radial Velocity Foundation Science

More also in PSD

Also cross-divisional, like Exoplanets Research Program (XRP)

NASA Astrophysics Statement of Principles

Purpose of this Statement of Principles:

The purpose of the Statement of Principles is to help NASA Astrophysics carry out community best practices to create an inclusive work environment. This document is not intended to nor can be a legal document, but rather a tool in the toolbox to shape crucial conversations around problematic actions.

Applicability:

- NASA Astrophysics personnel at NASA Headquarters (HQ) as well as NASA Astrophysics' Program Offices (POs) and associated support personnel, regardless of employer.
- Those who participate in meetings sponsored by NASA Astrophysics, such as conferences, workshops, panels, and Program Analysis Group (PAG) meetings.

All activities organized or sponsored by NASA Astrophysics, such as meetings and panels, should adopt a code of conduct.

In addition, there are best practices that are described in the following 5 areas:

- 1) Professional Conduct
- 2) Communication
- 3) Training
- 4) Maintaining a Safe Space
- 5) Reporting

https://science.nasa.gov/astrophysics/documents

ExoPAG Code of Conduct

https://exoplanets.nasa.gov/exep/events/461/exopag-28/#conduct

Attendees of ExoPAG 28 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 Hannah Jang-Condell (hannah.jang-condell@nasa.gov) or Ilaria Pascucci (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 licence 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.

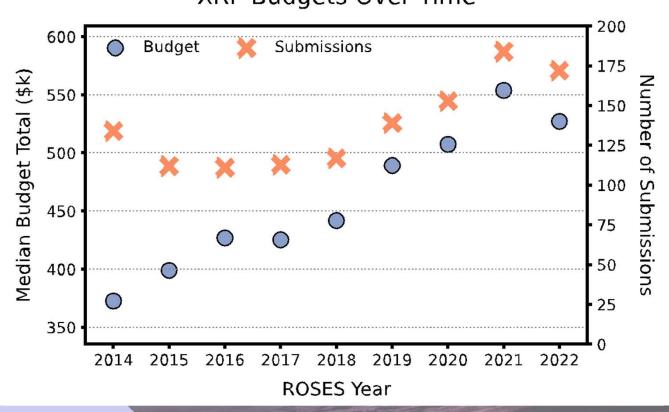


Research Program Update



Exoplanets Research Program Budgets

Budgets of XRP proposals have growing faster than total XRP funding XRP Budgets Over Time



New ROSES-22 Opportunities

D.14 Roman Mission Research and Support Participation Opportunities

- NOIs requested by January 20, 2023
- Proposal due date March 21, 2023

D.16 Astrophysics Decadal Survey Precursor Science

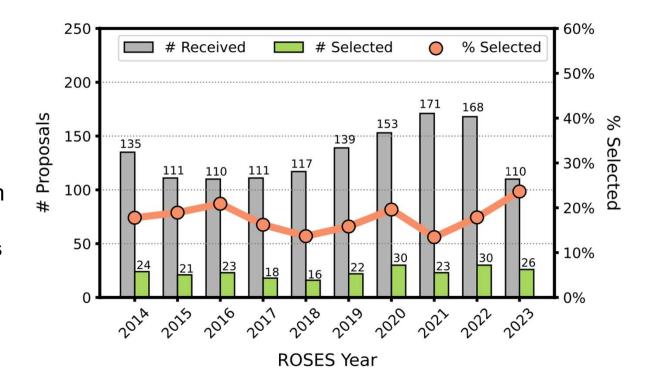
- Mandatory NOIs due January 20, 2023
- Proposals due March 24, 2023

D.18 Extreme Precision Radial Velocity Foundation Science

- Step-1 proposals due February 16, 2023
- Step-2 proposals due April 26, 2023

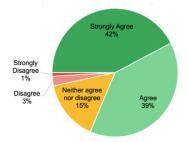
Exoplanets Research Program (XRP) Updates

- 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.

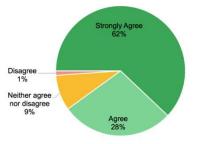


XRP & Dual Anonymous Peer Review (DAPR)

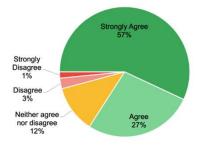
- XRP-23 was the program's 3rd year under the Dual-Anonymous Peer Review (DAPR) process.
- Proposals with egregious DAPR violations (e.g., team member info in anonymized PDF, usage of author-date citations) will be returned without review.
- Most common violations are gender pronouns in anonymized PDF (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



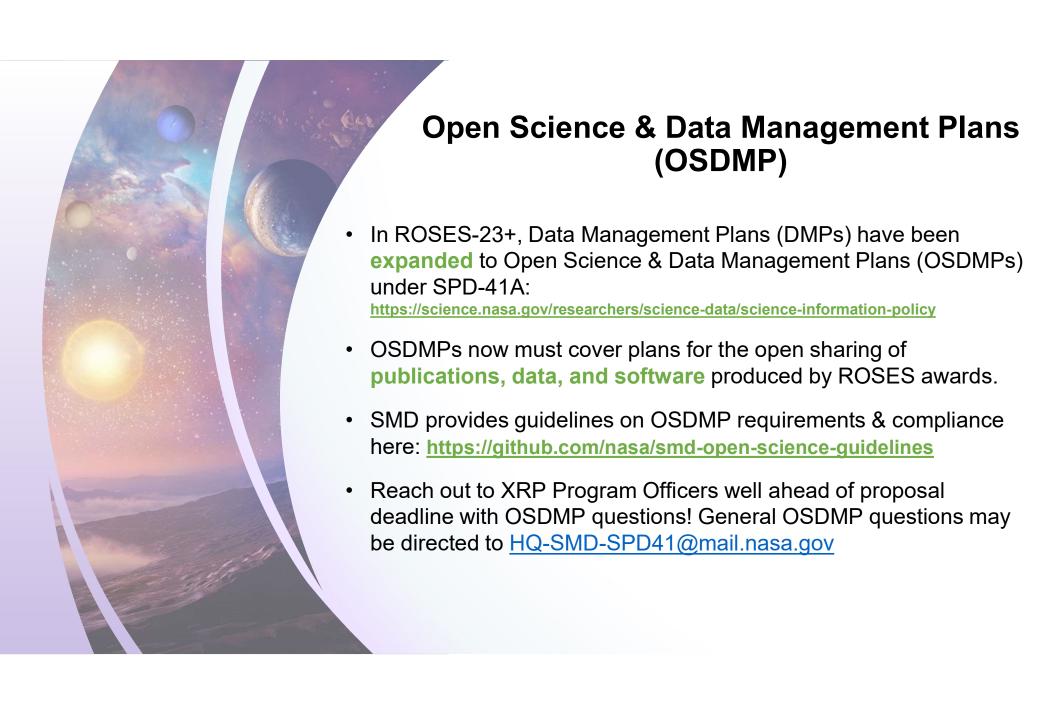
DAPR improved overall quality of peer review: 81% (strongly) agree



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



Open Source Science ROSES Solicitations

		Title	Description	Examples
Now open with rolling submission	F.7	Support for Open-Source Tools, Frameworks, and Libraries	Support for the improvement & sustainment of existing high-value, open-source tools, frameworks, and libraries that have made significant impacts to the SMD science community.	Adding extensions, documentation, and maintenance of software to support user community.
	F.8	Supplements for Open-Source Science	Supplemental awards to add an open science component to an existing award that increases the accessibility, inclusivity, and/or reproducibility of the parent award.	Writing tutorials for software or data usage produced by the parent award.
	F.14	Transform to Open Science Training	Support for trainings and workshops aimed at advancing open science literacy and targeting audiences from undergraduate students to established scientists	Development of open science curriculum, implementation of summer schools and virtual cohorts.
	F.15	High Priority Open-Source Science	Support for innovate open-source projects that advance the goals of open science and will have a significant impact on the SMD science community.	Advancing access and discoverability of research data (e.g., via metadata, persistent identifiers, data formats) and software.
	F.16	Supplements for Scientific Software Platforms	Supplemental support to existing awards for usage of scientific platforms (i.e., interactive environments accessible through web browser that provide access to data & computing resources to support scientific analysis & processing)	Providing computing resources and tools co-located with scientific data to allow for processing, visualization, etc. not be typically available via desktop computing.

Link to list of NASA Open-Source Science funding opportunities

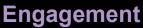
NASA's Transform to Open Science (TOPS)

a 5-year mission to accelerate adoption of open science

Goals:

- Increase understanding and adoption of open science principles and techniques
- Broaden participation by historically excluded communities
- Accelerate major scientific discoveries







Capacity Sharing

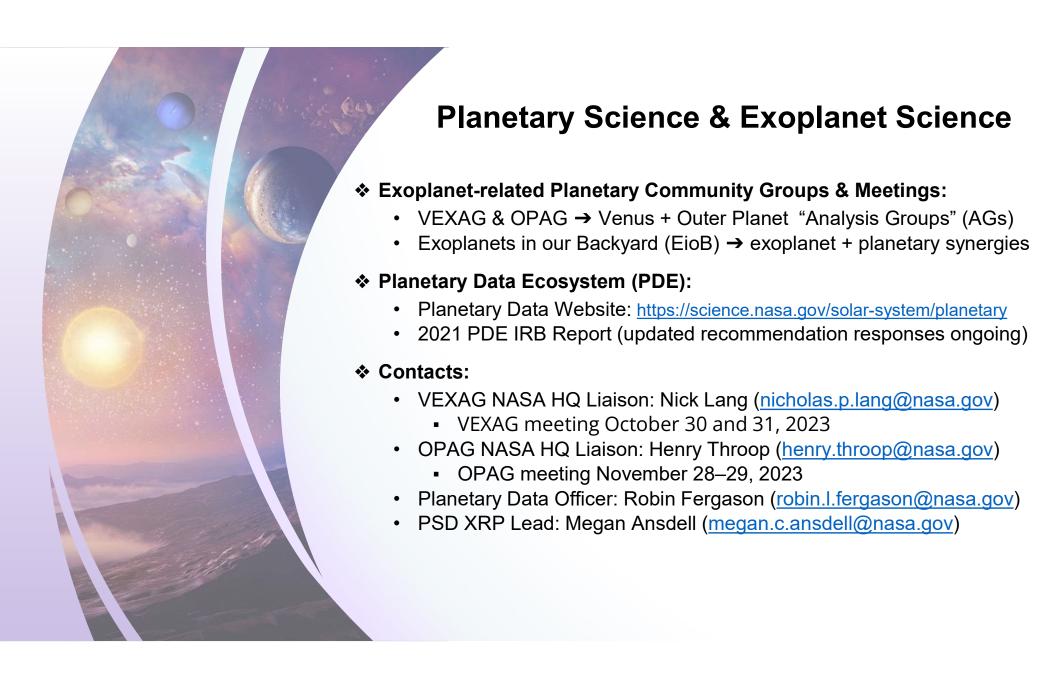


Incentives



Coordination

https://nasa.github.io/Transform-to-Open-Science/







Get involved



Keep 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/cor-news-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

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

Why 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?

