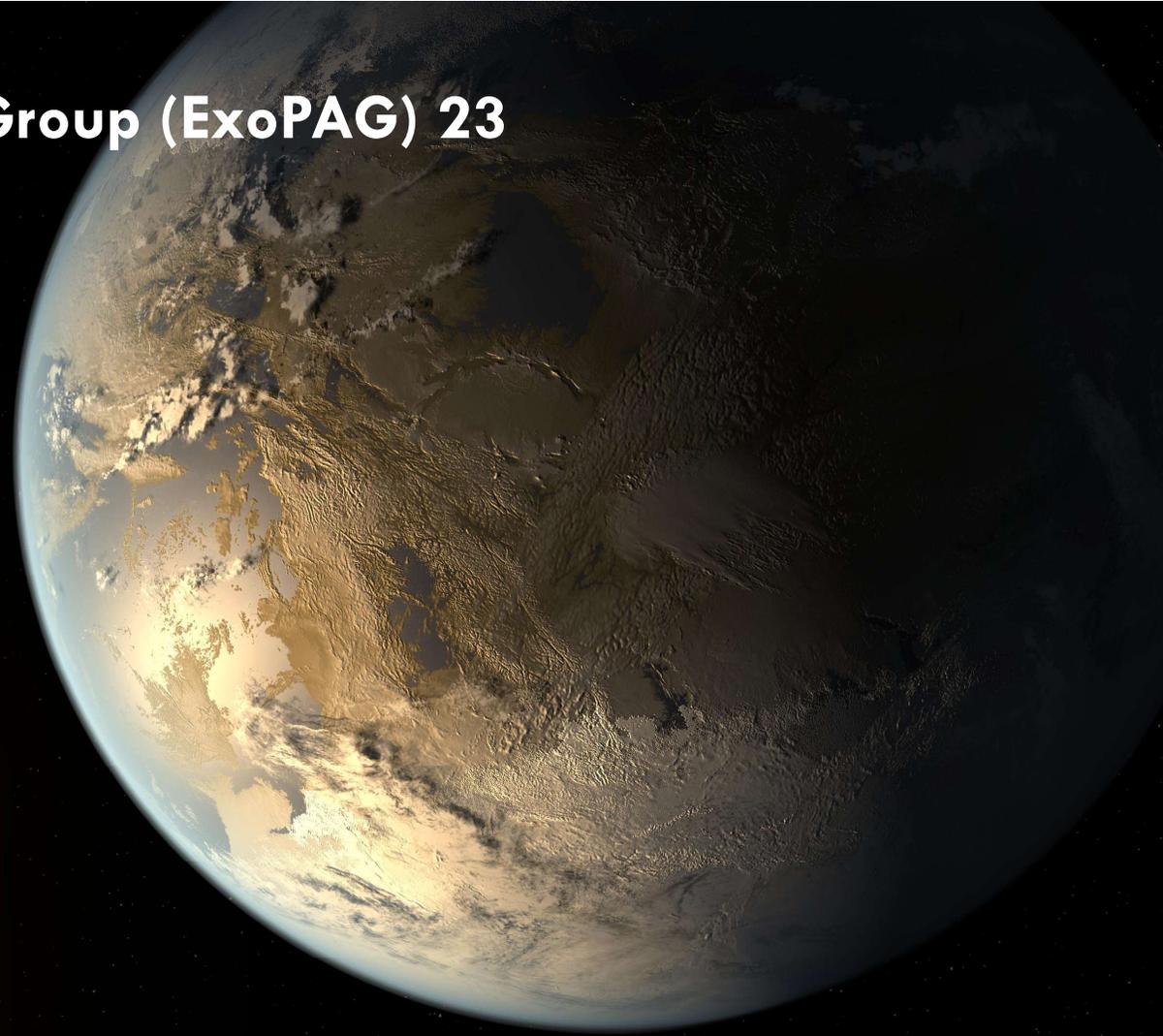


Exoplanet Program Analysis Group (ExoPAG) 23

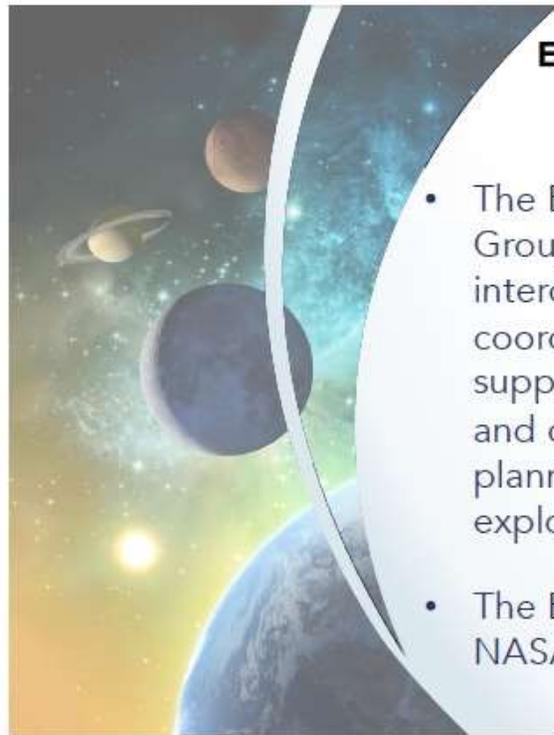
Michael Meyer (U. Michigan)
Chair, ExoPAG Executive Committee

January 5-6, 2021

Credit: NASA



Exoplanet Program Analysis Group: What is that anyway?



Exoplanet Program Analysis Group (ExoPAG)

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

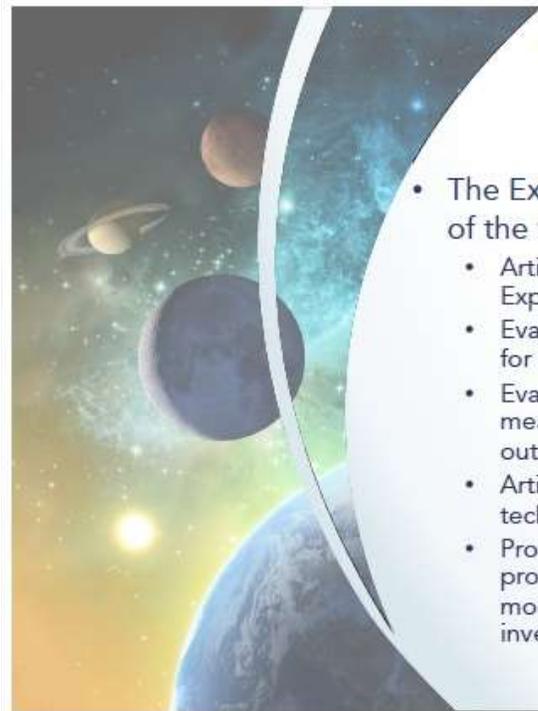
- The Exoplanet Exploration Program Analysis Group (ExoPAG) is a community-based, interdisciplinary forum for soliciting and coordinating community analysis and input in support of Exoplanet Exploration objectives, and of their implications for architecture planning and activity prioritization for future exploration.
- The ExoPAG reports findings of analyses to the NASA Astrophysics Division Director.

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Credit: NASA

Exoplanet Program Analysis Group: What is that anyway?

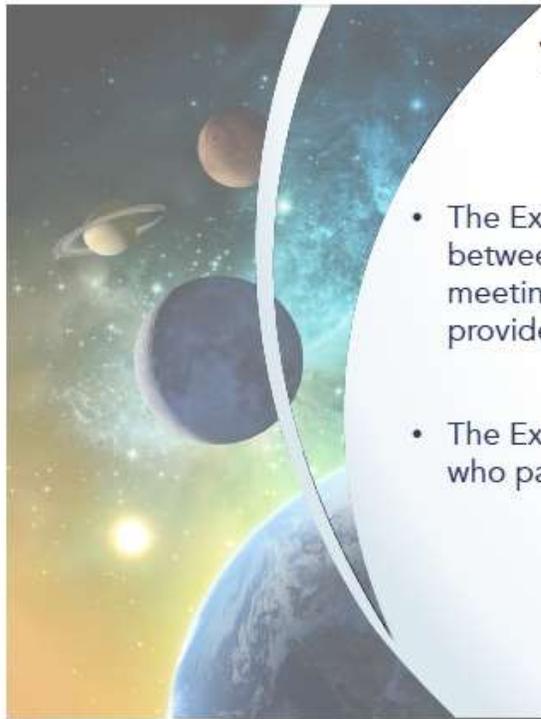


The Exoplanet Program Analysis Group (ExoPAG)

- The ExoPAG could be tasked to carry out one or more of the following:
 - Articulate and prioritize the key scientific drivers for Exoplanet Exploration research;
 - Evaluate the expected capabilities of potential ExEP missions for achieving the science goal of the program
 - Evaluate ExEP goals, objectives, investigations, and required measurements on the basis of the widest possible community outreach;
 - Articulate and prioritize focus areas for needed mission technologies; and
 - Provide findings on related activities that support the program, such as ground-based observing, theory and modeling programs, laboratory astrophysics, suborbital investigations, data archiving, and community engagement.

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Exoplanet Program Analysis Group: What is that anyway?



The Exoplanet Program Analysis Group (ExoPAG)

- The ExoPAG enables direct regular communication between NASA and the community through public meetings that give the community opportunities to provide scientific and programmatic input.
- The ExoPAG consists of all members of the community who participate in these open meetings.

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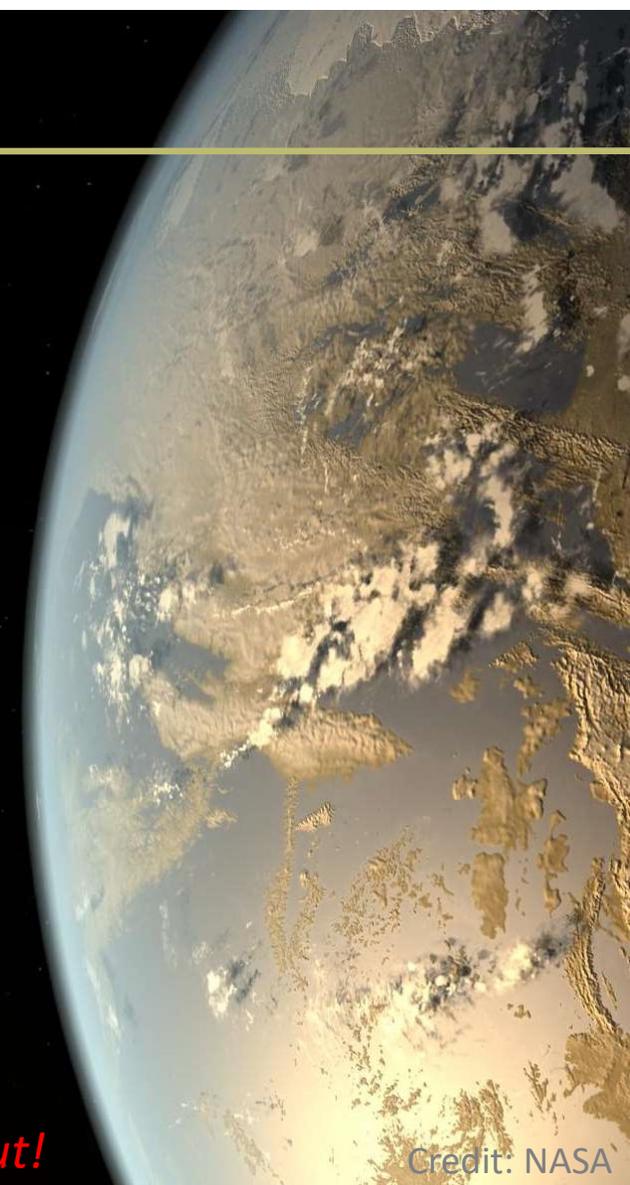
ExoPAG Executive Committee

Michael Meyer (Chair)	University of Michigan
Tom Barclay	University of Maryland
Natasha Batalha	NASA-Ames
Jacob Bean	The University of Chicago
Jessie Christiansen	NExSci/Caltech
Rebecca Jensen-Clem	UC-Santa Cruz
John Debes	Space Telescope Science Institute
Tiffany Kataria	JPL/Caltech
Josh Pepper	Lehigh University
Dmitry Savransky	Cornell
Laura Schaefer	Stanford University
Vikki Meadows (Past Chair)	University of Washington
Douglas Hudgins (Astrophysics)	NASA HQ
<i>Hannah Jang-Condell (ExEP DS)</i>	<i>NASA HQ</i>
Doris Daou (Planetary Liaison)	NASA HQ
Richard Eckman (Earth Liaison)	NASA HQ
<i>Gaylan Fowler (Heliophys Liason)</i>	<i>NASA HQ</i>

Our newest members!

Call for new members is out!

Credit: NASA



ExoPAG Executive Committee

Consider volunteering for the ExoPAG EC!

- Propose a Mini-Science Symposium.
- Initiate a Science Analysis/Interest Group.
- Your analysis can lead to findings passed to HQ.
- Review the ExEP Science Gap List.
- Put forward ideas for the ExEP Tech Gap List.
- Help APD focus on increasing DEI.
- Interact with excellent colleagues.
- Inspire the next generation.
- Have an impact within our community.

Micha

Tom

Natas

Jacob

Jessi

Rebe

John

Tiffa

Josh

Dm

Lau

Vik

Do

Ha

Doris Daou (Planetary Liaison)

Richard Eckmann (Earth Liaison) NASA HQ

Gaylan Fowler (Heliophysics Liaison) NASA HQ

Call for new members is out!

Credit: NASA

ExoPAG Recent Activities (since ExoPAG22)

- Review of ExEP Science Gap List completed (Sept. 30).
(https://exoplanets.nasa.gov/internal_resources/1547/)
- Participated in NExSS/P/AG roundtable in October.
- Present to PSAC in August and November.
- Launch of Exoplanet Explorers!
- Presented to APAC (full day on “State of Profession” & URM’s).
- Community forum held to prepare for ExoPAG23.
- New APD Cross PAG activities:
 - AAS Special Session on Barriers to URM Participation in APD Space Science.
 - Discuss new cross PAG SAG on URM in APD Space Science.
 - Review of APD Biannual Tech Gap Review at AAS in January
(<https://apd440.gsfc.nasa.gov/images/tech/ABTRCoverandPage092519Final.pdf>).

PLANET HOP FROM
TRAPPIST-1

Credit: NASA

VOTED BEST "STUDY ABROAD" DESTINATION

Current Status of SAGs and SIGs

Close Year	SAG or SIG	Title	Lead
2020	SAG 19	Exoplanet imaging signal detection theory and rigorous contrast metrics (closeout expected soon)	Mawet & Jensen-Clem
----	SIG 2	Exoplanet Demographics (on-going)	Christiansen & Meyer
----	SIG 3	Exoplanet Solar System Synergies (on-going).	Meadows & Mandt
----	SAG 21	Stellar Contamination on Transit Spectra (on-going)	Rackham & Espinoza (Barclay)
----	SAG 22	Exoplanet Host Properties (on-going)	Pepper, Stark, & Hinkel

ExoPAG 22 Final Sessions: Wednesday 2:15-close EST.

- Updates on SIGs and SAGs (2:15-3:30 pm EST).
- Followed by Regular ExoPAG Business meeting.
- Feel free to share announcements for the community.
- Review of progress on actions.
- Share new ideas for ExoPAG priorities and activities!

<https://tinyurl.com/y2x2e3c3>

- Review proposed finding
(as discussed at December 15 Community Forum):

<https://tinyurl.com/y6l8anlb>

Upcoming Events of interest to ExoPAG

- Friday, January 8: 1-3 pm EST NASA Cross-PAG Session.
 - Update from Paul Hertz (Director, Astrophysics Division).
 - Overview of APD biennial technology review 2021.
- AAS Meeting Events January 11-15
 - NASA Cross-PAG session on barriers to participation in NASA space science by Minority Serving Institutions, January 11, 6:50 pm EST.
 - NASA Town Hall, January 12, 1:40 pm EST.
 - And many more...