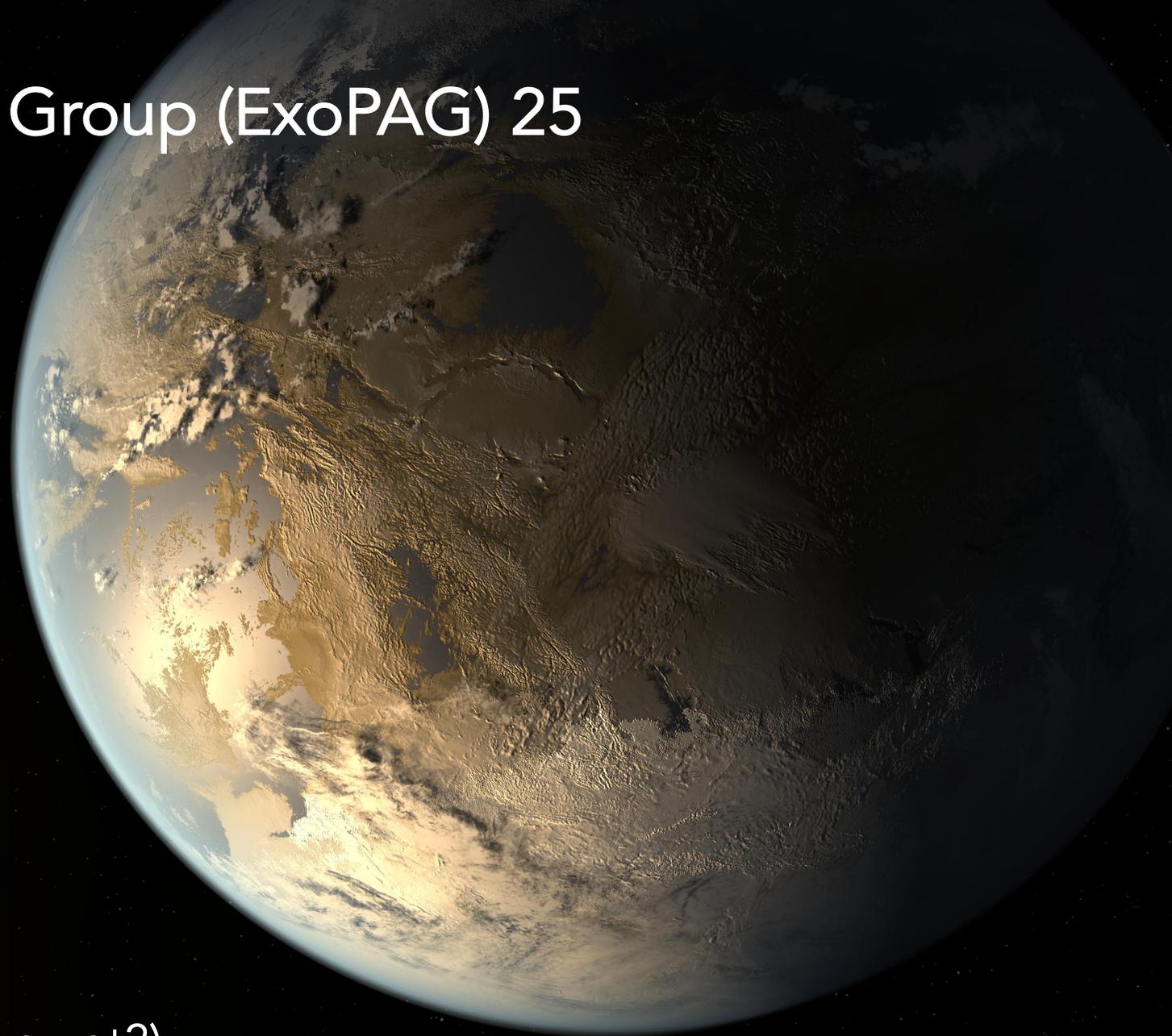


-
- Welcome

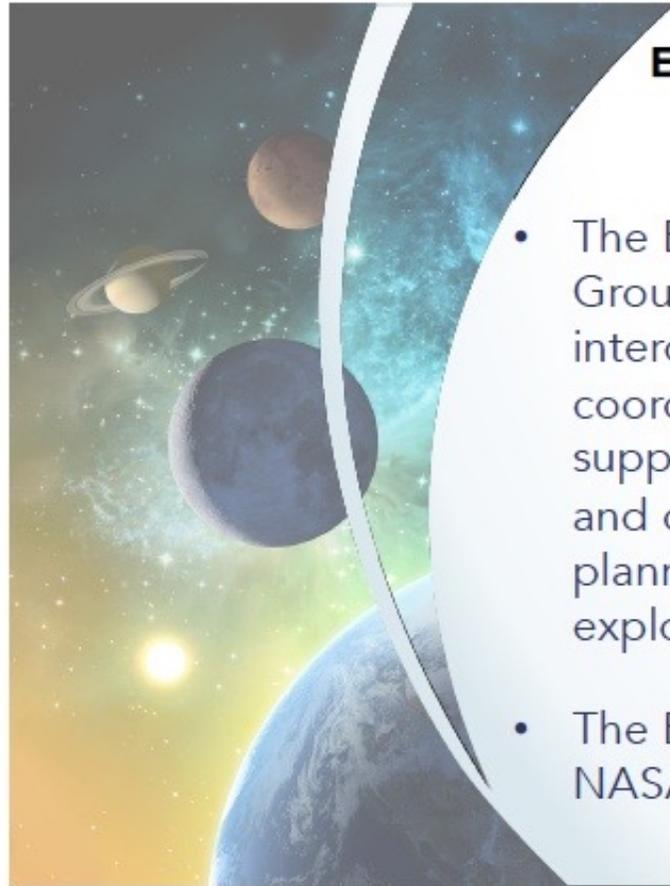
Exoplanet Program Analysis Group (ExoPAG) 25

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

January 10, 2022 (...are we having fun yet?)



Exoplanet Program Analysis Group: What is that anyway?



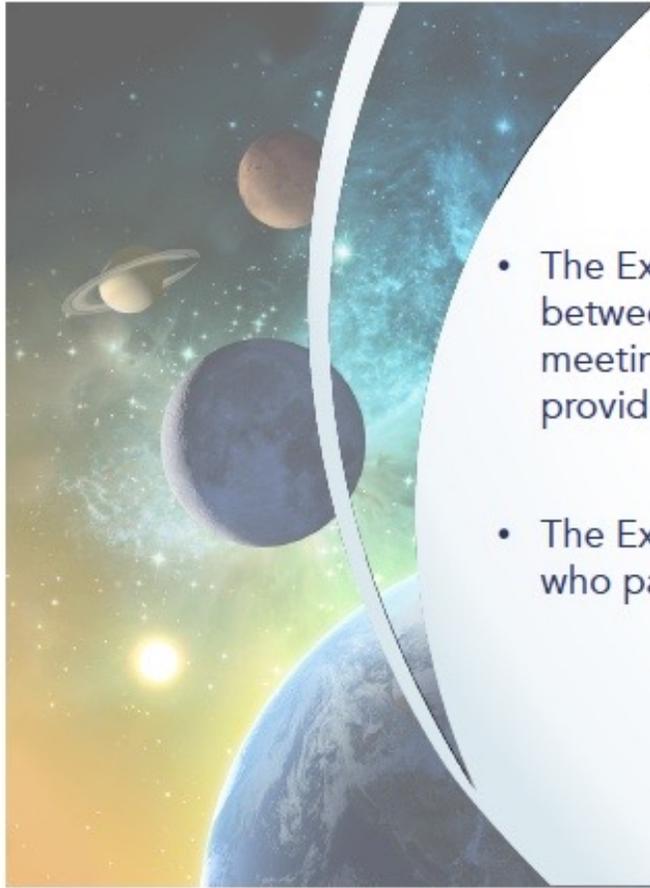
Exoplanet Program Analysis Group (ExoPAG)

<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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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.

ExoPAG Executive Committee

Michael Meyer (Chair)

University of Michigan

Natasha Batalha

NASA-Ames

Jacob Bean

The University of Chicago

Michael Bottom

The University of Hawaii

Ofer Cohen

University of Massachusetts Lowell

Knicole Colon

Goddard Space Flight Center

John Debes

Space Telescope Science Institute

Tiffany Kataria

JPL/Caltech

Ilaria Pascucci

The University of Arizona

Josh Pepper

Lehigh University

Dmitry Savransky

Cornell

Laura Schaefer

Stanford University

Douglas Hudgins (Astrophysics)

NASA HQ

Hannah Jang-Condell (ExEP DS)

NASA HQ

Doris Daou (Planetary Liaison)

NASA HQ

Richard Eckman (Earth Liaison)

NASA HQ

Gaylan Fowler (Heliophys Liason)

NASA HQ

Thank you for your service...

Your name could appear here!

(Nominations are now open).

Credit: NASA

ExoPAG Executive Committee

Michael ... University of Michigan
Natasha ...
Jacob Be ...
Michael ...
Ofer Co ...
Knicole ...
John D ...
Tiffany ...
Ilaria F ...
Josh P ...
Dmitri ...
Laura ...
Doug ...
Han ...
Dori ...
Richard Eckman (Earth Liaison) NASA HQ
Gaylan Fowler (Heliophys Liason) NASA HQ

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.

(Nominations are now open).

JANUARY 10, 2022

Session 1 (Chair: Ilaria Pascucci)										
Speaker		Time (EST)	Duration							
Welcome	Michael Meyer	12:00 PM	0:10	High contrast polarimetric imaging as a complement for total intensity circumstellar disk imaging	Kellen Lawson	2:35 PM	0:15			
ExEP Program Overview	Gary Blackwood	12:10 PM	0:15							
ExoExplorers Introduction	Tiffany Kataria	12:25 PM	0:15		SAG 21: The Effect of Stellar Contamination on Space-based Transmission Spectroscopy	Nestor Espinoza & Ben Rackham	2:50 PM	0:20		
NN-EXPLORE Update	John Callas	12:40 PM	0:15							
NExSci Update	David Ciardi	12:55 PM	0:15	BREAK (15 min)						
				Session 3 (Chair: Michael Meyer)						
13 UV Flares Observed on the 25 Myr AU Mic with HST/COS during two transits of AU Mic b		Adina Feinstein	1:10 PM	0:15	Citizen Science		Marc Kuchner	3:25 PM	0:20	
JWST Exoplanet Science Update		Knicole Colon	1:25 PM	0:20	pterodactyls: A Uniform Search for Young Transiting Planets in TESS Primary Mission FFIs		Rachel Fernandes	3:45 PM	0:15	
BREAK (15 min)		1:45 PM	0:15	SIG2: Exoplanet Demographics		Jessie Christiansen	4:00 PM	0:20		
				Debris Disk SAG Proposal				John Debes	4:20 PM	0:20
Session 2 (Chair: Ofer Cohen)		Speaker	Time (EST)	Duration	Adjourn			4:40 PM		
The K Dwarf Advantage: The Ultraviolet Imperative for Assessing the Habitability of Planets		Tyler Richey-Yowell	2:00 PM	0:15						
Roman Update		Vanessa Bailey	2:15 PM	0:20						

ExoPAG Recent Activities (since ExoPAG24, June 24)

- Community input provided on Science Gap List.
- EC Supporting SOC for *Exoplanets in Our Backyard II* (2022?).
- Presented to APAC October 13-15 (upcoming March 30-31).
- Discussion on Open Source Science Initiative (cf. RFI).
- Presented to PAC in November 16.
- Reviewing proposals/reports for/from SAGs/SIGs
- New APD Cross PAG activities:
 - Astro 2020 Discussions and Statement.
 - Cross PAG SAG on URM in APD Space Science (proposed).
 - Discuss Tech Gap synergies & NASA data policy.
- Welcome the new 2022 ExoExplorers (T. Kataria)

PLANET HOP FROM
TRAPPIST-1

Credit: NASA

VOTED BEST "STUDY ABROAD" DESTINATION

What are “ExoPAG Findings”?:

- Process for whole community to contribute to analyses forwarded to Astrophysics Division leadership as input.
- We do not give “recommendations” but “findings” based on analysis.
- Three findings approved in January 2020 and one in March 2021.
<https://exoplanets.nasa.gov/exep/exopag/exopagFoundingDocuments/exopag-findings/>
- Ideas for new findings solicited from community (e.g. ExoPAG email and at Business Meetings) and discussed at community forum (e.g. Summer ExoPAG).
- Those with community support are reviewed by ExoPAG EC and top 1-3 findings put forward to ExoPAG for a vote (more than 2/3 support needed to “pass”).
- Ideas not adopted (or selected for vote) can be kept and re-discussed in future.
- Affirmation of findings generally scheduled for winter ExoPAG meeting

Current Status of SAGs and SIGs

Close Year	SAG or SIG	Title	Lead
----	SIG 2	Exoplanet Demographics (report this meeting)	Christiansen & Meyer
----	SIG 3	Exoplanet Solar System Synergies (on-going).	Meadows & Mandt
----	SAG 21	Stellar Contamination on Transit Spectra (final report this meeting)	Rackham & Espinoza
----	SAG 22	Exoplanet Host Properties (final report submitted)	Pepper, Stark, & Hinkel
----	SAG 23?	Debris Disk Properties of Exoplanet Hosts (in formulation)	Debes, ??????

ExoPAG 25 Business Meeting: Wednesday 2-??? pm EST.

- Brief update on SAG22.
- Share new ideas for ExoPAG priorities and activities!
(Particularly in light of ASTRO 2020.)

https://docs.google.com/forms/d/1dam7D1yiMeazF_9IBtPIHgJ_NOg_iTLE9pVeWRI4Tas/edit

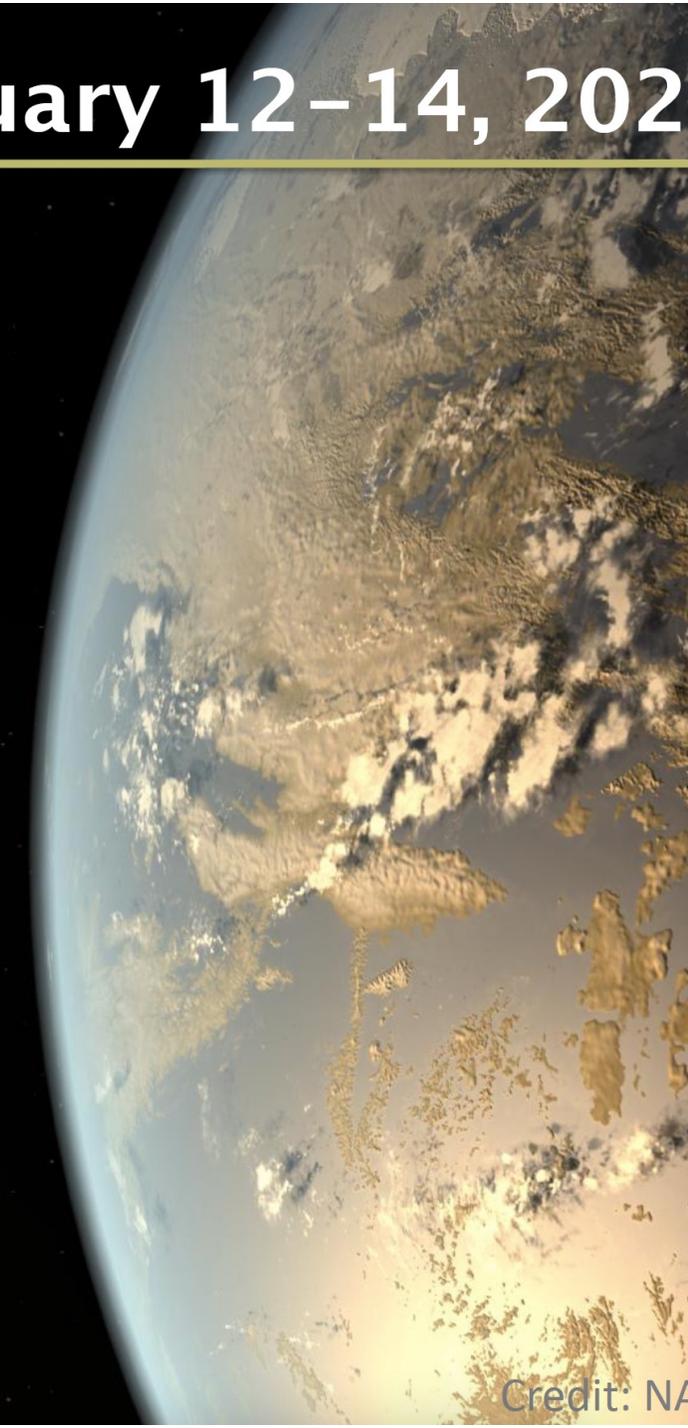
- Review of progress on actions.
- Where/When shall we hold ExoPAG 26?

Exoplanets IV (April 30-May 1) or AAS in Pasadena (June 11-12)

https://docs.google.com/forms/d/1eXJKSItb-emnmT2stt0h89R_WoqbpcPyJQR1KiBEVCk/edit

- Consider proposing a finding for future discussion!
- Feel free to share announcements for the community

- Meeting Website & Agenda: <https://exoplanets.nasa.gov/exep/events/359>
- ExoPAG FAQ Document: bit.ly/ExoPAG25_FAQ
- ARC Q&A Tool: bit.ly/ExoPAG25_ARC
- Suggestions Form: bit.ly/ExoPAG_Suggestions
- Proposed Findings Form: bit.ly/ExoPAG_Findings



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- Back-up Slides