



National Aeronautics and
Space Administration

ExoPAG 31

AAS Mtg #245, National Harbor, MD
Jan 11-12, 2025

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.

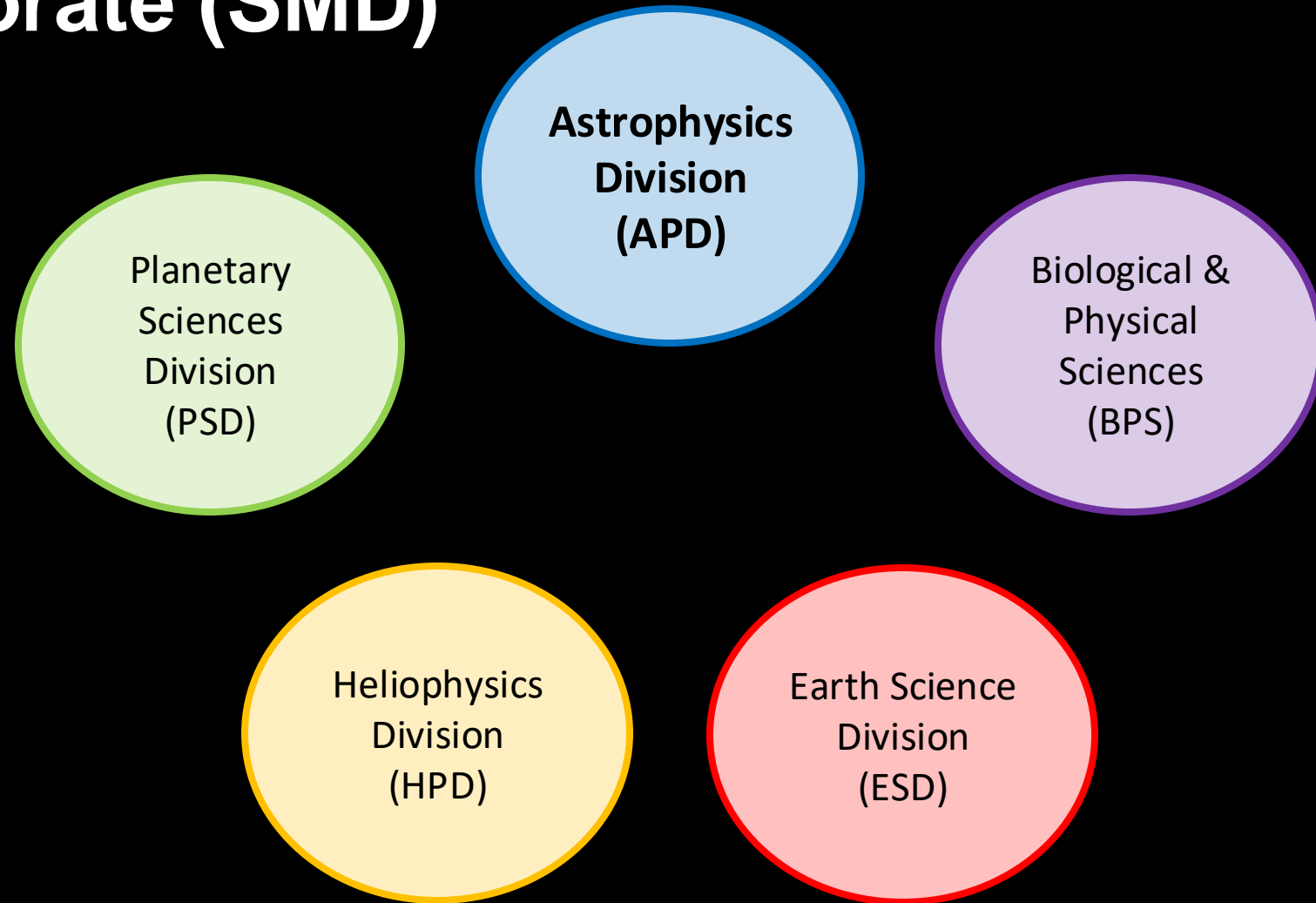
Any participant who wishes to report a violation of this policy is asked to speak, in confidence, to John Wisniewski (john.p.wisniewski@nasa.gov) or Ilaria Pascucci (pascucci@arizona.edu)

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 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.



Overview of NASA and the ExoPAG

NASA Science Mission Directorate (SMD)



Planetary
Sciences
Division
(PSD)

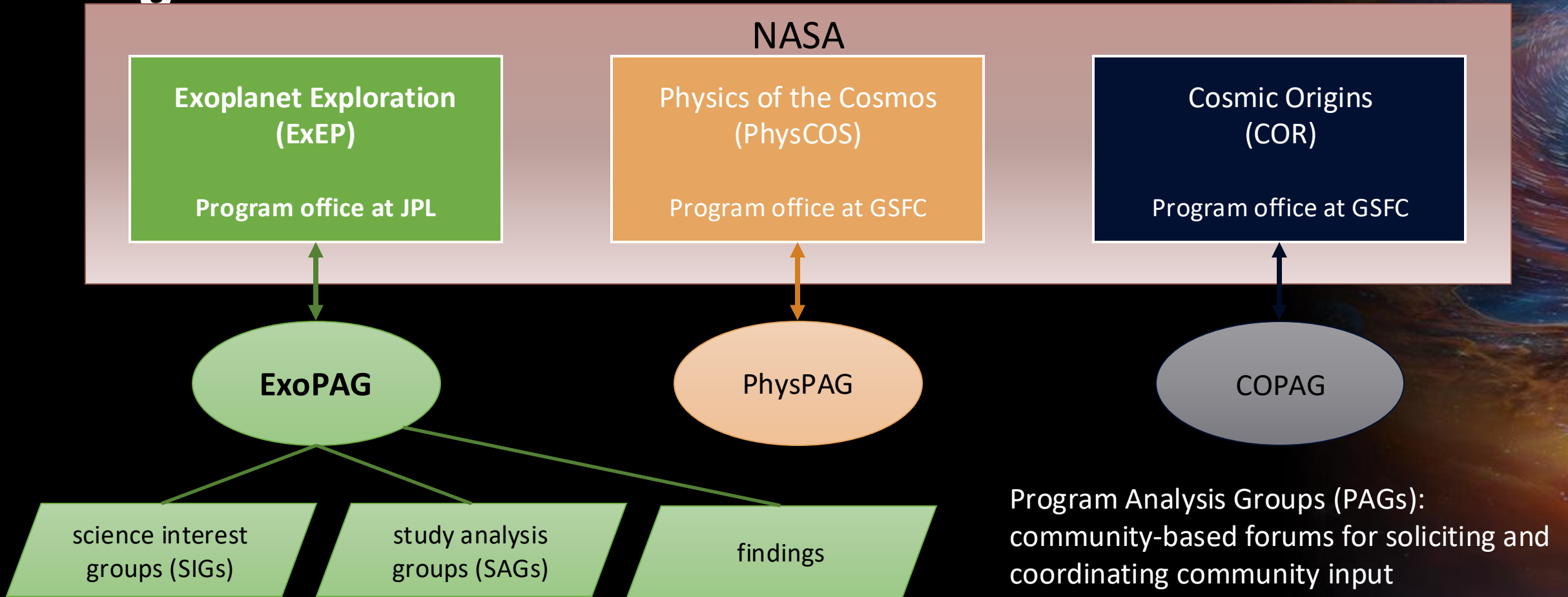
Astrophysics
Division
(APD)

Biological &
Physical
Sciences
(BPS)

Heliophysics
Division
(HPD)

Earth Science
Division
(ESD)

NASA APD Focused Programs



More about the ExoPAG:

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

The ExoPAG Executive Committee

Name	Home Institution
Ilaria Pascucci (Chair)	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
 Rebekah Dawson NASA HQ
 – Planetary Science Division

Liaison

Galen Fowler, NASA HQ
 – Heliophysics Division Liaison
 Exoplanet Exploration Program Office
 – JPL - Logistics

Indicates member rolling off the committee in 2025



NASA HQ Updates

HQ Personnel Updates

Role	APD Division Director	SMD Deputy Associate Administrator	PSD XRP Program Scientist	JWST Program Scientist
Outgoing	Mark Clampin	Sandra Connelly	Hannah Jang-Condell	Eric Smith
Incoming	Shawn Domagal-Goldman (acting)	Mark Clampin (acting)	Rebekah Dawson	Hannah Jang-Condell





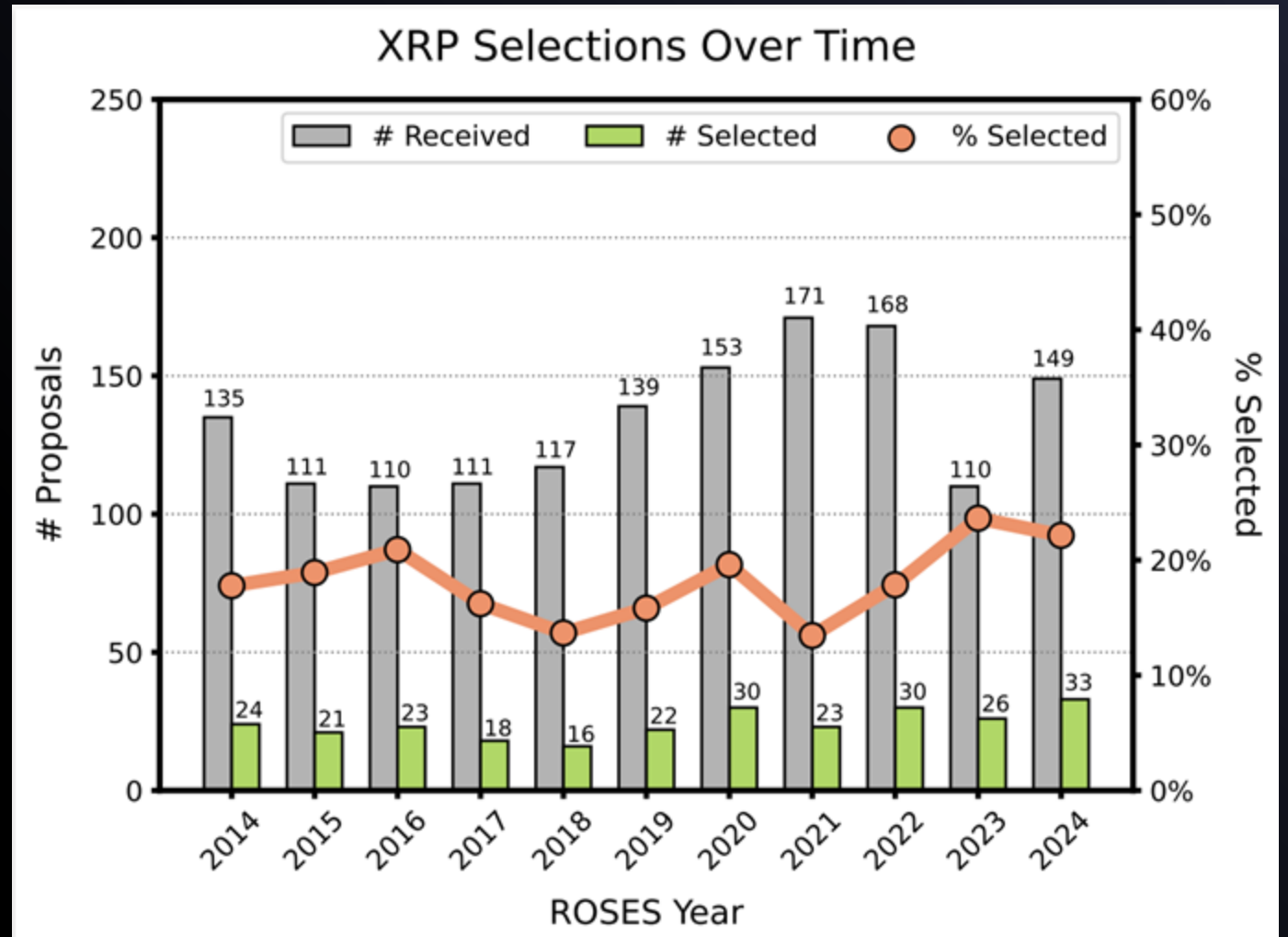
Research Updates

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-24 increased by 28%, returning close to program high level marks.

XRP **selection rate**: ~21%.



XRP-25 expected changes

- In ROSES-25, Habitable Worlds (F.4, PSD) is being folded into Exobiology (C.5, PSD) and XRP (F.3, cross-divisional)
 - XRP-25 picks-up “Identification of the characteristics and the distribution of potentially habitable environments beyond our Solar System” – i.e. **that can be tested with current or future NASA space missions**
 - XRP-25 exclusion: “Theoretical or laboratory investigations focused on defining, understanding, or characterizing the properties of biosignatures, rather than biosignature observations or predictions for NASA space missions (see instead C.5 Exobiology)”
 - XRP-25 exclusion: “Theoretical or laboratory investigations focused on habitable environments unconnected to current or future missions (see instead C.5 Exobiology)”
- ESD will not contribute to new XRP awards





D.20 Exoplanet Mass Measurement Program (EMMP)

- Up to 2-yr of funding can be proposed;
- Continuation + expansion of EPRV Foundation Science program
- Proposed investigations should advance tools, techniques, and understanding to extract small Keplerian signals buried in complex time-series stellar spectra or astrometric measurements
- See Section 2.1 for detailed Program inclusions and Section 2.2 for Program Exclusions
- POC – Hannah Jang-Condell

Mandatory NOIs Jan 23, 2025

Full Proposals due Feb 26, 2025

D.21 US Contributions to Ariel Preparatory Science (US-CAPS)

- Up to 2-yrs of funding can be proposed;
- Proposed investigations should contribute to one or more of: validating and Confirming 400 TOIs; improving masses of ~120 previously confirmed exoplanets; and/or improving the stellar characterization of a few dozen stars, with all of the above targets identified as being of interest by the Ariel Science Consortium
- US-CAPS will also set aside up to 3 nights of NASA-Keck per semester and up to 10 nights of NN-EXPLORE WIYN time per semester for successful teams who require these resources to conduct their science investigation
- POCs – Hannah Jang-Condell, Doug Hudgins

Mandatory NOIs Dec 12, 2024

Full Proposals due Feb 4, 2025



Get Involved

Stay Connected with NASA

- Nominate yourself or a colleague to join the ExoPAG EC or Chair the EC! Send cover letter and CV to John.P.Wisniewski@nasa.gov by Jan 31, 2025
- Lead or contribute to a white paper for the NASA Decadal Astrobiology Research and Exploration Strategy by Feb 4, 2025 (<https://exoplanets.nasa.gov/exep/exopag/NASA-DARES/>)
- Join the 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>
- Volunteer to be a panel reviewer (<https://science.nasa.gov/researchers/volunteer-review-panels>)
- Early career (grad, postdoc) researchers, volunteer to serve as an executive secretary on ROSES panels – simply email any program scientist to express interest
- NASA Astrophysics Federal Advisory Committees: Astrophysics Advisory Committee (APAC)
<https://science.nasa.gov/researchers/nac/science-advisory-committees/apac>



Stay Connected with NASA

- Join an ExoPAG SIG (#2: Demographics; #3: Exoplanet/Solar System synergies) or SAG (#24: Starshade; #25: Technosignatures; #26: Reflectance Spectroscopy for HWO)
- Create new SIGs or SAGs
- Recommend Findings
- Nominate yourself to join the HWO CSIT (by March 17)
- Contribute new ideas in the ExoPAG31 Open Mic Forums (today@2:30pm; Sunday @11:25am)



Questions?

A vibrant, futuristic space scene. The background is dominated by a large, swirling galaxy in shades of blue and purple, with a bright blue core. Several planets of various colors (orange, blue, purple) and sizes are scattered across the sky. Two satellites with solar panels are visible in the upper right. In the foreground, a dark, rocky landscape with a small structure and a larger space station-like building is illuminated by a bright, glowing light source on the right, creating a dramatic sunset or sunrise effect. A small, rounded object is visible in the lower right foreground.