

# Exoplanet Program Analysis Group (ExoPAG):

Science Interest Group 2 – Demographics



Rachel Fernandes & Samson Johnson  
Co-Chairs

AAS 242 Splinter: Yield Modelling Tools Jun 8, 2023

# Exoplanet Program Analysis Group: What is that anyway?

## ExoPAG Terms of Reference

Exoplanet Program Analysis Group  
Chartered by the Astrophysics Division

1. Articulate & prioritize science drivers for Exoplanet Exploration research;
2. Evaluate capabilities of potential missions to achieve program goals;
3. Evaluate ExEP activities with broad community input;
4. Articulate & prioritize new mission technologies; and
5. Provide findings on all related program activities including:
  - ground-based observing,
  - theory and modeling programs,
  - laboratory astrophysics,
  - suborbital investigations,
  - data archiving and
  - community engagement.

# SIG 2 - Exoplanet Demographics

**Chairs:** Rachel Fernandes (UArizona->PennState)

Samson Johnson (JPL)

- *Previous report on value of public database of demographic products, covering all techniques: <https://arxiv.org/abs/2304.12442>*
  - *Huge thanks to previous chairs Jessie Christiansen and Michael Meyer*
- Curating a list of open questions/ongoing projects for the community
  - Eta-Earth considerations for HWO
  - Exoplanet demographics with Roman Space Telescope
  - Synthesizing demographics from multiple detection techniques
- *Actively seeking to recruit new members, especially ECRs!*
  - *join us! <https://exoplanets.nasa.gov/exep/exopag/sigs/#sig2>*

