45 min

**Heliophysics models beyond Earth and the Solar System - CCMC’s role**

2:45 pm – 2:55 pm NASA Heliophysics interest in using heliophysics models beyond Earth and the Solar System, *Galen Fowler*VIRTUAL

2:55 pm – 3:30 pm Discussion *Discussion Organizers:* CCMC*: Katherine Garcia-Sage;* Modelers/Community*: Alison Farrish*VIRTUAL*, Chuanfei Dong*VIRTUAL*, Dave Brain*VIRTUAL*, Gina DiBraccio, Christina Kay;* HQ*: Galen Fowler*VIRTUAL*, Katya Verner, Jared Leisner;* NSF*: Carrie Black*VIRTUAL

**Heliophysics models applied to planets beyond earth and systems beyond the solar system. How can CCMC support these applications?**

* **What are the highest-priority planetary/exoplanetary-related needs for modeling services?**
  + **Alison:** Launching off from Helio2050 discussion - look at what questions people are interested in to see which models to use/prioritize
  + **Christina:** To what extent should CCMC just expand current models vs bring in new ones - where should our emphasis be?
  + **Christina:** Choose a targeted question and see what capabilities we need to bring to address it.
* **How does modeling beyond Earth and the solar system compare to “core” heliophysics modeling?**
  + **Dave:** Model validation and using multiple models as a check on each other
  + **Dave:** Identifying parameters for user specification
  + **Gina:** Long term consequences of star-planet interactions (e.g. sun-climate connection)
* **What links can be built to show the value of heliophysics to other science communities?**
  + **Chuanfei:** Differences in community expectations (Helio vs Planetary….) and linking planetary and helio communities together (e.g. EMAC and CCMC) + comparative climates of terrestrial planets
  + **Carrie:** Linking heliophysics and astronomy
* **Follow-on discussions/actions planning**
  + Poll questions