Exoplanet Diversity in the Era of Space-Based Direct Imaging Missions

**What is the science question?** What is the diversity in the kind of exoplanets detected by direct imaging missions?

**What were your findings?**
We propose a classification scheme that separates exoplanets into different categories based on their size and incident stellar flux.

**What was the impact?**
This classification scheme can be used to calculate the expected number of exoplanets that will be observed with different direct imaging missions.

**Why does it matter to non-scientists?**
This study puts in perspective how different our solar system planets are when compared to those in other planetary systems.

Diversity of planets detectable with a direct imaging telescope. The chemical species listed at the bottom indicate the kinds of clouds found in planetary atmospheres.