

# The Galactic Distribution of Exoplanets



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# The *Kepler* mission has revolutionized our understanding of planetary systems



*but Kepler's discoveries came from only one small part of the sky.*

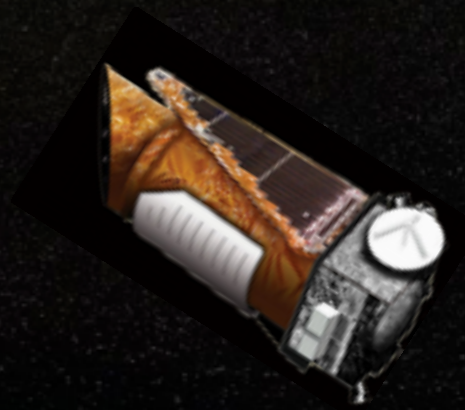


Image Credit: ESO / Serge Brunier, Frederic Tapissier

## How do planetary systems vary in different galactic environments?



As a Sagan fellow, I will study exoplanets using data from *Kepler's* K2 mission.

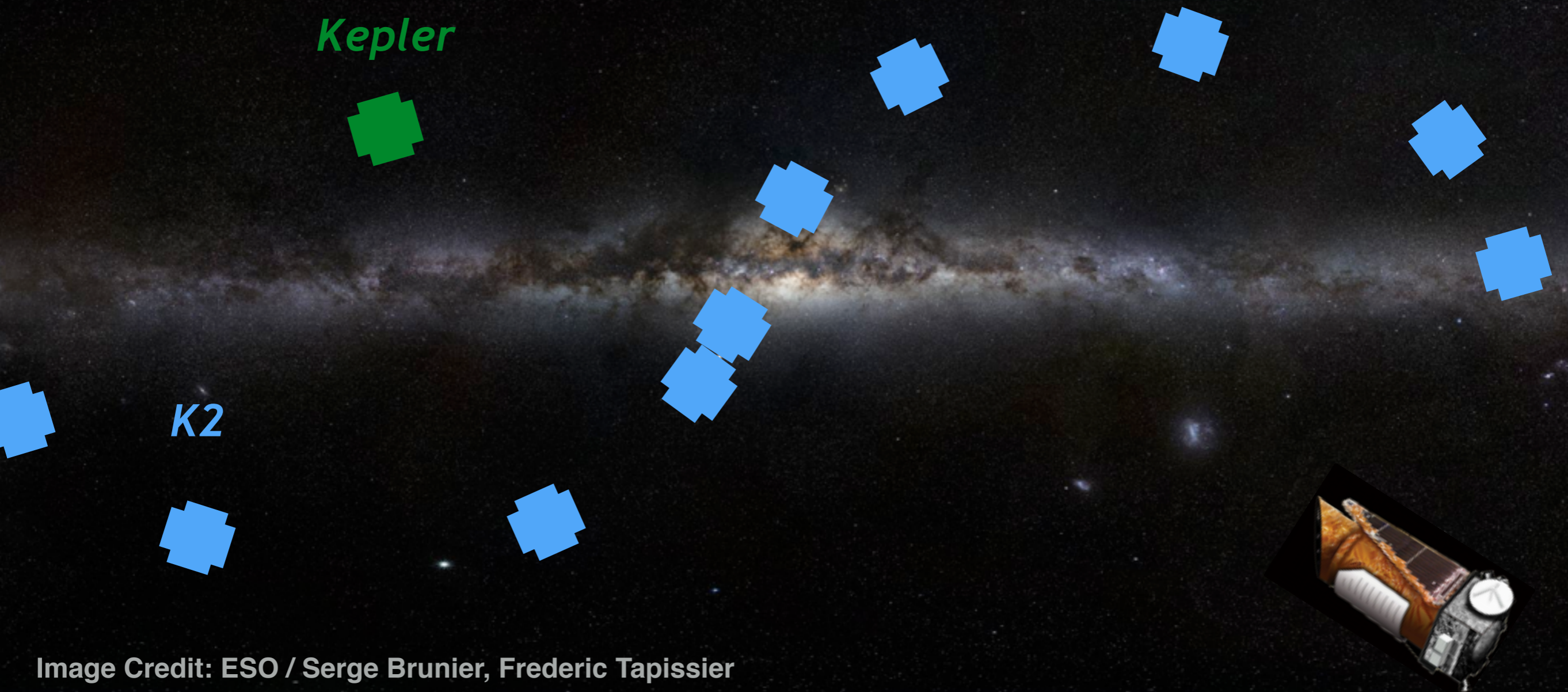


Image Credit: ESO / Serge Brunier, Frederic Tapissier

K2 is finding hundreds of planets across the sky in different galactic environments.



# Detailed comparisons of planets found around stars in different parts of the sky

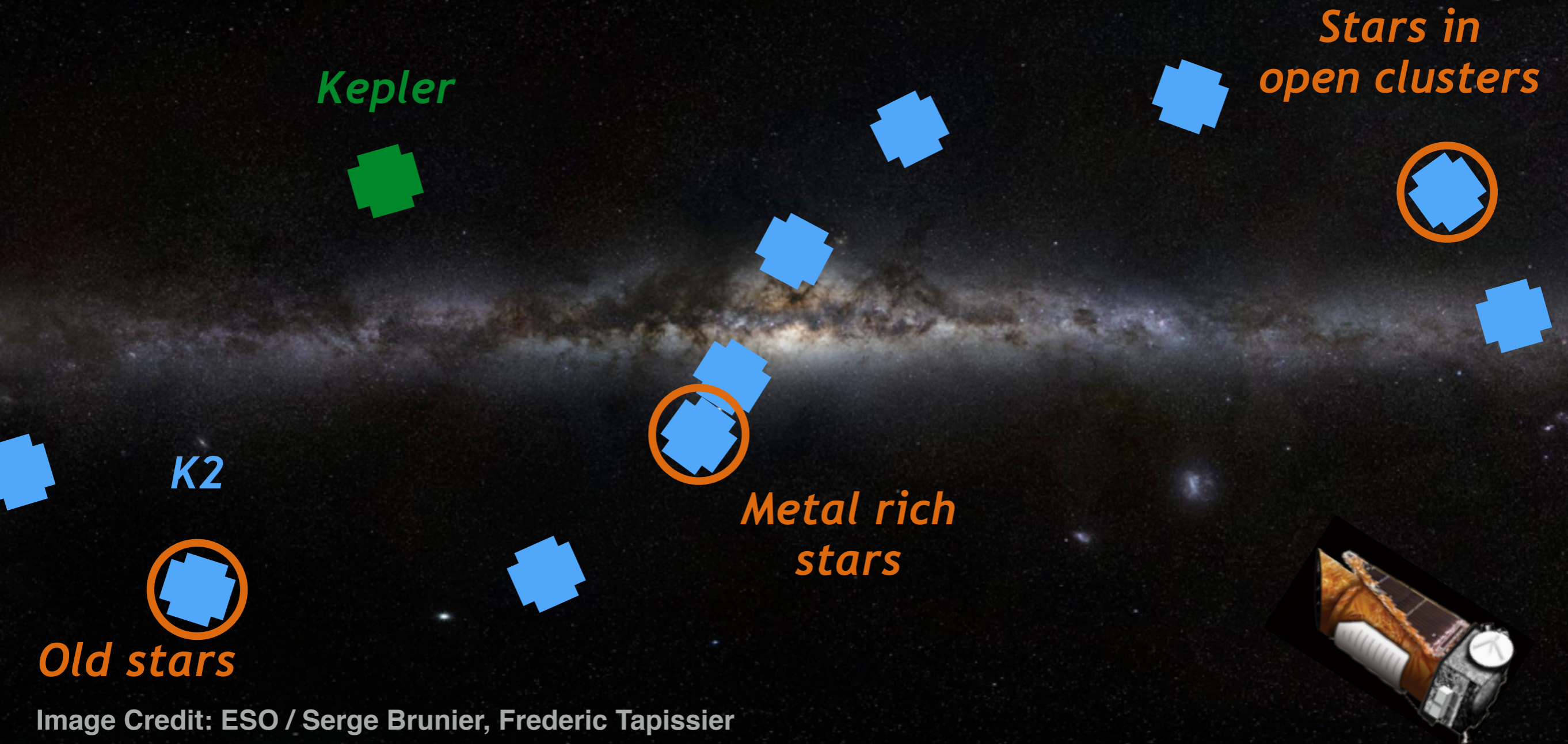


Image Credit: ESO / Serge Brunier, Frederic Tapissier

will reveal how age, composition, and environment affect planet formation and evolution.