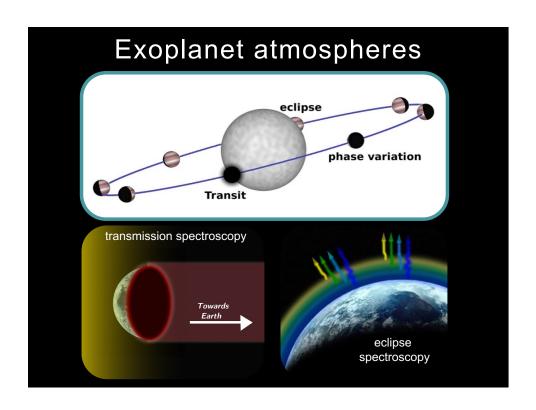
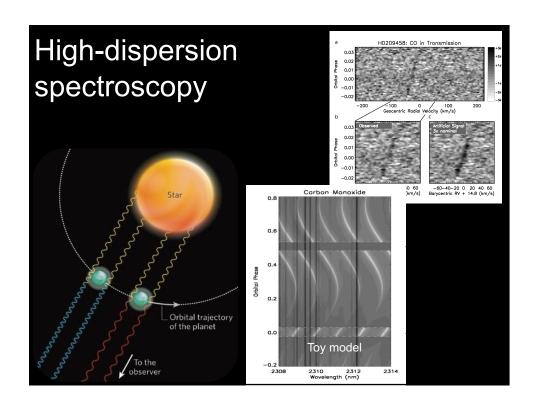


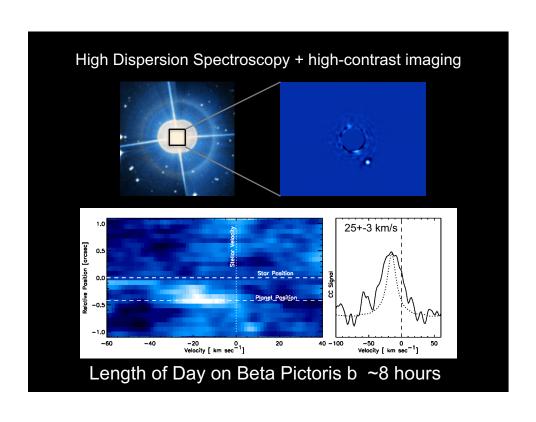
# 25 years of exoplanets studies

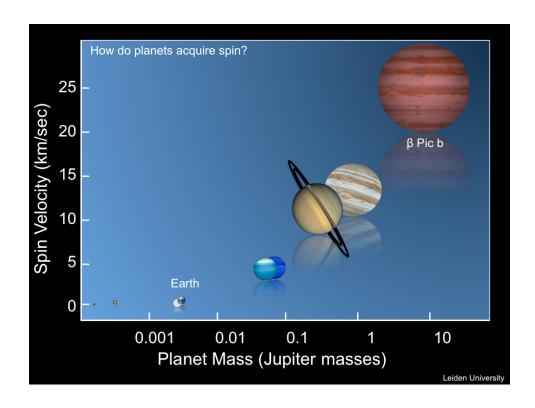
- o Thousands of exoplanets found
- o Diversity even larger than in Solar System
  - Hot Jupiters on close-in orbits
  - Super-Earths/mini-Neptunes
  - Super-Jupiters at very large distances
- o 1:10 stars host Jupiter-mass planets
- o 1:5 stars host Neptune-mass planets
- Most stars host Earth-mass planets

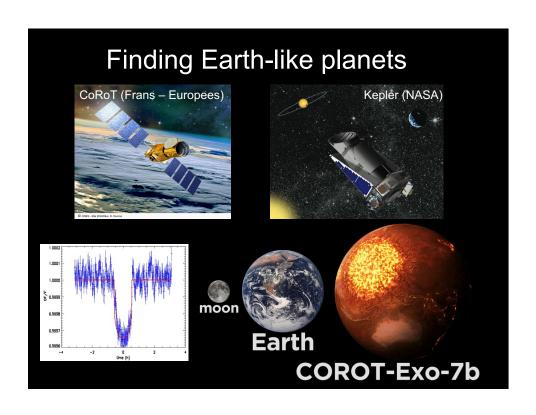


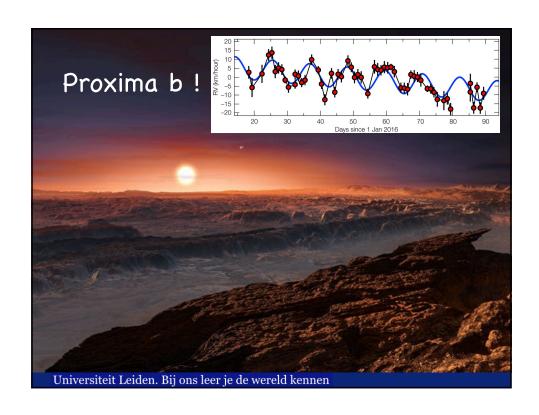


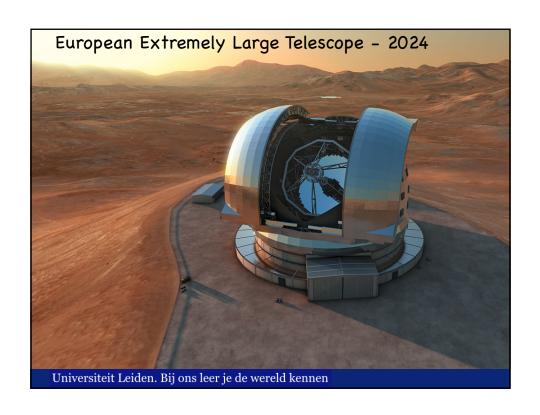


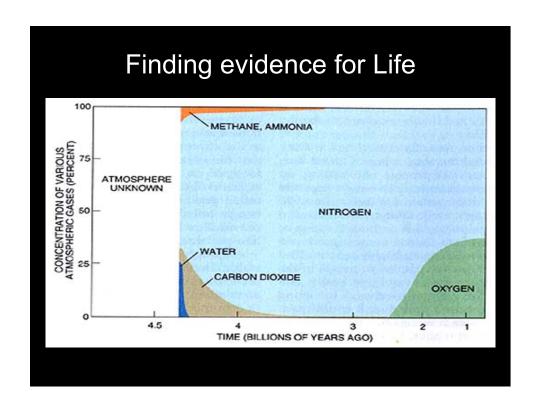


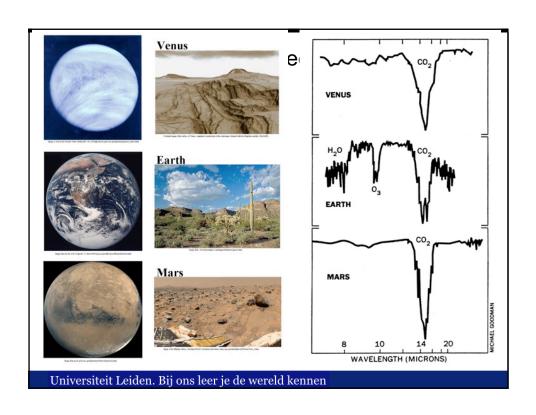












## How common is extraterrestrial life?

## Philosofy for astronomers

### 1. The Copernican Principe:

We do not observe the universe from a special place → the Earth is a common planet

### 2. The Antropic Principe:

Our place in the universe needs to be able to sustain life  $\rightarrow$  the Earth is special

