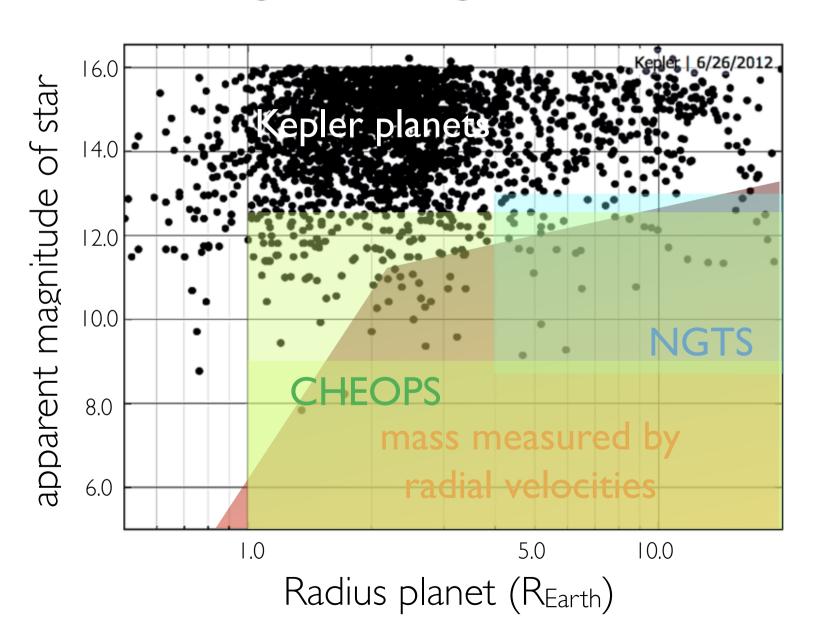
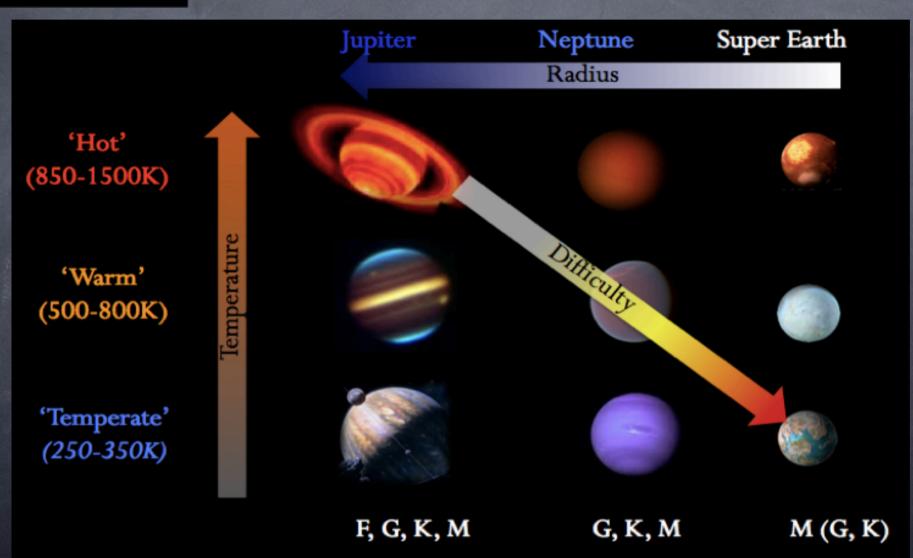
Targets: Bright stars





Planets that will be observed with EChO



2013-02-08 Roma Italian Workshop on SPICA

19

Taken by B. Swyniard 2009 Paris Presentation

1e-06

Spectral models by Burrows.

Adapted from Burrows et al ()

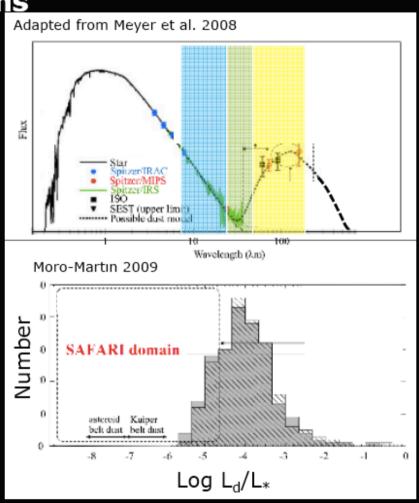
Wavelength (micron)

Allows direct MIR spectroscopy of

gas giant exo-planets

Detecting Kuiper and Asteroid Belt analogs in distant extrasolar systems

- Little MIR emission implies clearing of inner disk
- MIR→FIR SED necessary to constrain the disk inner radius
- FIR will constrain shape and peak of SED → cold dust
- Dust implies continuing collision and accretion
- First systematic survey for Solar type KB and AB type dust mass



... when the going get thought ... the thought get going...



... the future out of there will be really exciting with a lot of possibility to understand the nature of low and very low mass companions, edventually ... some where we'll be able to recognize also life signatures...