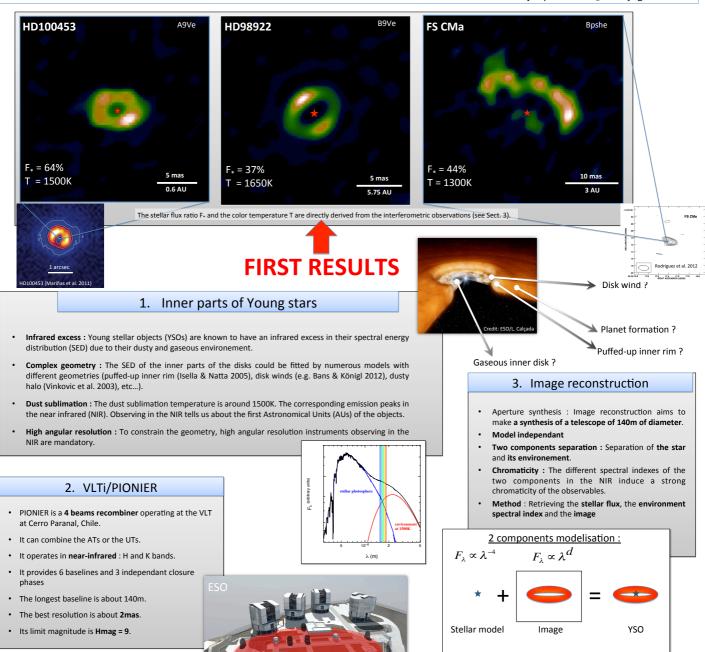
First images from the PIONIER/VLTI optical interferometry imaging survey of Herbig Ae/Be stars



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4. Survey

• 55 Targets

- Selected from existing SEDs (e.g.Malfait et al. 1998)
- Young objects
- NIR excess
- 2 aims :
 - Statistics :
 - Size vs.spectral type ?
 - Temperature of the environement ?
 - Stellar flux ratios
 - Imaging: >10 imaging targets
 - Reavealing the morphology of inner parts of dusty disks around intermediate mass stars.

60 55 50 40 Total 30 33 26 20 11 15 7 2 11 0 Stars B A F G IMG

First results

- Evolutionnary status :
- ½ of the survey done.
- $\bullet \quad \hbox{8 objects are sufficiently resolved to be imaged}.$
- Imaging :
- Applying the **new imaging method** with success
- Resolving the inner parts of the YSOs. Informations on the symmetry of the inner parts.
 - Inner rim vertical structure, dust distribution, accretion...
- Finding an indication on the temperature of the inner parts of the environement.
- Values of the stellar flux ratio for resolved objects
- Next : from the images to the physical modelisation of the objects.







