

# *Evolution of Protoplanetary and Planetary Disks*

C. Eiroa, A. Heras, D. Barrado, A. Bayo, C. del Burgo, I. de Gregorio,  
M. Fridlund, R. Liseau, R. Llorente, J. Maldonado, B. Montesinos,  
A.Mora, M. Morales, G. Olofsson, E. Solano, G. White

## *i) From Primordial to Debris Disks*

### *Objective:*

- *Dust /gas evolution for a sample of PMS and Vega type stars.*

### *Herschel Observations:*

- ✓ **DUST:**
  - PACS 70, 100, 170  $\mu\text{m}$  + SPIRE 250, 360, 520  $\mu\text{m}$
- ✓ **GAS:**
  - HIFI: [CI] 11 370,610  $\mu\text{m}$   
[CII] 1 158  $\mu\text{m}$
  - PACS [OI] 11 63,146  $\mu\text{m}$

## *ii) Edgeworth-Kuiper belt Structures*

### *Objective :*

- *Detection of EK-belt structures around nearby main-sequence FGK stars*

### *Herschel Observations:*

- PACS 70, 100, 170  $\mu\text{m}$  +
- SPIRE 250, 360, 520  $\mu\text{m}$