## YSO/Exoplanet Interferometery - draft group think -

- Structure of planet forming disks: (Initial conditions, efficiency, migration detection)
  - Req: imaging-uv, 0.5-23 um, 1.5 km, high dynamic range).
- Exoplanet dynamics: follow up known planets, astrometric search.
  - Req: 10 microarcsec astrometry, stars RV can't do, K=17
- Masses/diameters of young stars: (gravity, age).
- Resolving planetary diameters/rings etc: (rings, atmosphere).
- Exoplanets mass, orbital radius, age: photons, spec. of planets.
- Structure of debris disks: exozodi, dust composition, ast. Belts
  - High dynamic range, spectroscopic.
- Accretion process/geometry (onto star): .
- Stellar B field structure & rotation: spot rotation etc.
- Themes:
  - creation and evolution of planetary systems
  - Star formation and early stellar evolution
- Instrument priorities (ordered)
  - Imaging, H-N, 10<sup>4</sup>-10<sup>6</sup> dynamic range, ~0.05 AU in Torus, ~20x20 pix