

What needs to be done?

- Only 30% of known OCLs are investigated photometrically

Latest Statistics - Version 3.3 (10/jan/2013), DAML02:

Number of clusters: 2174

Clusters with Diameters: 2168 (99.7%)

Clusters with Distances: 1658 (76.3%)

Clusters with Reddening: 1643 (75.6%)

Clusters with Ages: 1630 (75.0%)

Clusters with Dist, Redd. and Ages: 1620 (74.5%)

Clusters with Proper motions: 1190 (54.7%)

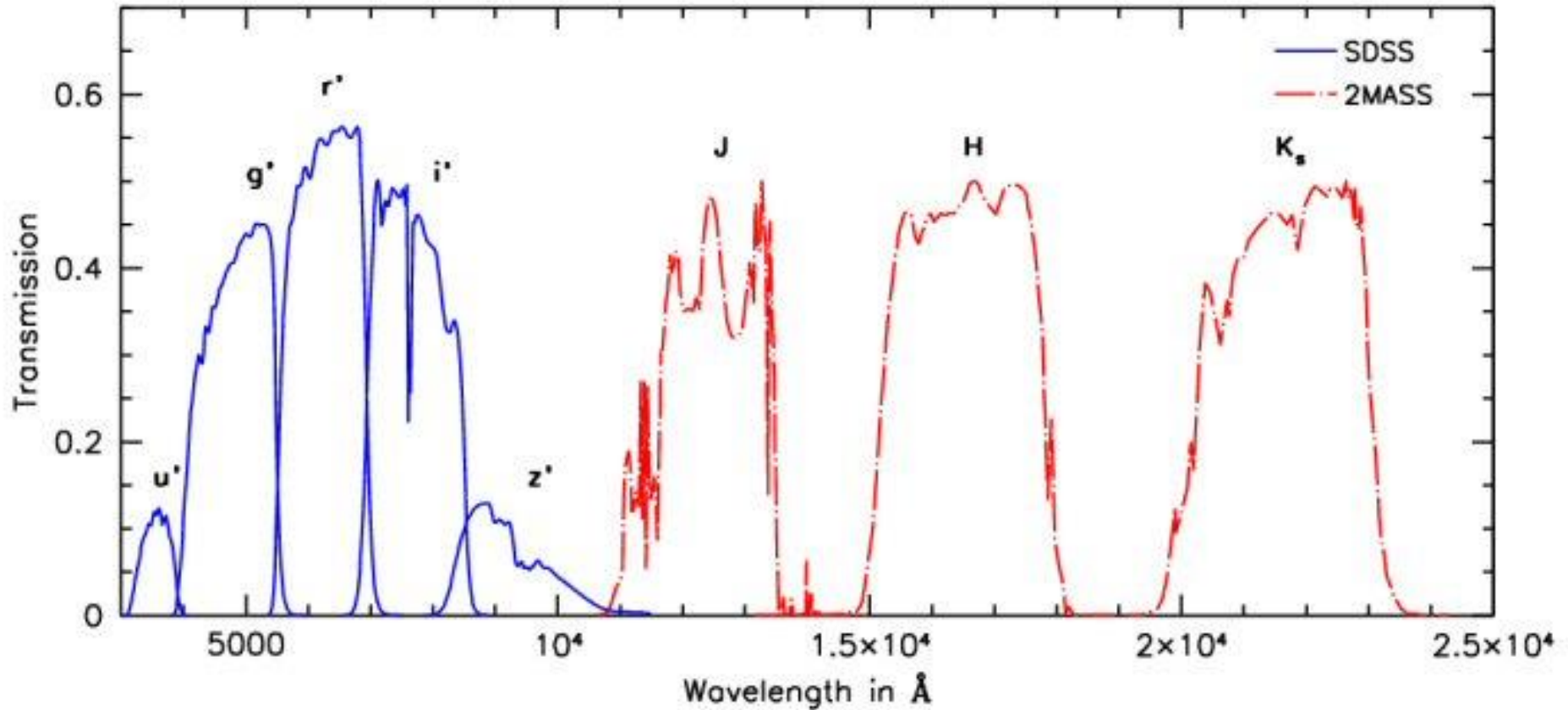
Clusters with Radial velocities: 543 (25.0%)

Clusters with P. Motions + RVs: 526 (24.2%)

Clusters with Dist, Ages, PMS and RVs 513 (23.6%)

Clusters with Abundances: 202 (9.3%)

SLOAN Filter



u:	3557	599
g:	4825	1379
r:	6261	1382
i:	7672	1535
z:	9097	1370

LSST – SLOAN Successor

- Large Synoptic Survey Telescope
- 8.4m Telescope, 10q° FoV, 3.2 Gigapixel camera
- Limiting magnitude $\sim 24.5V$ (30sec); co-added $\sim 27.5V$
- ~ 1000 measurements / field in different filters within 10 years, spectroscopy planned
- Factor 2 better Photometry, Astrometry and Image Quality
- $\ll 1\%$ Photometry, 0.2mas/yr Proper Motion, 1mas geom. Parallaxes
- **30TByte / Night**
- After 10 years: 60 Pbyte = 60.125.899.906.842.620 Byte
- First light: 2019

James Webb Space Telescope

- Successor of the Hubble Space Telescope
- 6.5 meter telescope
- Spectroscopy and photometry only in the IR
- Launch: 2018

E - ELT

- 42 meter telescope
- Near Paranal (VLT), Chile
- First light: 2022

20 pc diameter

50 kpc

10 Mpc

