## Morphological analysis of OTELO ULL

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## survey galaxies

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Explorations of a piece of EGS: 11k detections on the deep OSIRIS TF image. This HST I-band image (0.03"/px) is used as a first approx. to morphological analysis of ~4000 common objects. The brightest magnitude bins (up to HST mag  $\leq 23$ ) are already in the last phase of the analysis. GalSVM and GalFIT

Results of the analysis of the first 3 magnitude bins using galSVM (mag<sub>AB</sub> <= 23);

345 objects selected from a total of 567 in the 3 bins;

 $\sim 9\%$  (31 objects) classified as early type (red points, PROBAV > 0.7); ~91% (314 objects) classified as late type (blue points, PROBAV < 0.35); Classification based on: Gini coefficient, M20, Assymetry, Concentration, Smoothness.

> The lacking triangle. This gap in HST/ACS images will be filled with CHFT and OSIRIS images. The analysis is going to be the same as for HST/ACS image (Sextractor, Galfit, GalSVM)

## **REFERENCE**:

1) Peng et al. 2002, Astronomical Journal (AJ), 124, 266 2) Huertas-Company et al. 2008,2009,2011 A&A 3) Bertin, E. & Arnouts, S. 1996, A&A Supplement 317, 393 4) Bckg image: AEGIS, http://aegis.ucolick.org/