Quasars and Galaxies in Large Quasar Groups at z~1

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- LQG has 5–20 QSOs over 50–200 Mpc, too large to be virialized, probable relics of large fluctuations
- rare (4σ) structures, ~1/3 space density of superclusters,
- ~500–1000 expected “jumbo LQGs” in sky (Pillipenko et al. 2007)

- Clowes–Campusano LQG Survey, multi-band project (FUV – NIR) to study one of the largest and richest LQGs at z~1
- GALEX–selected sample of ~1000 z~1 LBG candidates in 1x2 deg^2 + red galaxies
- complementary ground based data (SDSS, Bok g, CFHT r+z, FLAMINGOS J+Ks) + proposed
- part of GALEX PI DIS (~8 deg^2)

- concentrations of LBGs in proximity to QSOs seen in the density maps
- best fitting ages of several Gyr from synthesis evolution models, although young burst scenarios allowed, too

optimum region of the sky to study AGN/QSO feedback mechanisms and high density environmental effects