# Making the most of the Great Observatories for High-z Galaxies

# Major issues

- What causes morphological transformations?
  - Connection to SEDs & dynamics
  - Subcomponents (bars, bulges, arms…)
- The AGN-Galaxy connection
  - Evolution with redshift, correlation with star-formation
  - AGN at very high-z
- Star-formation measures
  - Connection between different "starbursts"
  - Initial mass function (top end)
- Massive galaxies at high redshift

# Survey desires

- HST
  - More area at GOODS-like depth
  - Deep WFC3 field(s)
- Chandra
  - 5 Msec depth
  - HDF-N, CDF-S are getting more difficult to observe
- Spitzer
  - IRS follow-up of various kinds of sources

# Other issues

- Followup of individual sources discovered with another observatory
  - z~6 sources
  - Mid-IR bright sources
- Accurate, consistent absolute photometric calibration from optical through Spitzer IR