Evolution of Faint Galaxies from the observations with the HST, the Keck 10-m telescope, and possibly the NGST.

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We will show our results on the study of evolution of faint galaxies using the Hubble Space Telescope and the Keck 10-m telescope. We find that normal, massive galaxies (E/S₀s and spirals) are already abundant at z=1, although the evolution of galaxies beyond z>1 is more uncertain. Our understanding on the evolution of galaxies at high redshift (z>>1) is expected to be greatly improved with the future missions such as the Next Generation Space Telescope. We will also discuss a possibility of measuring cosmological parameters using field galaxy population at z<1.