

Title:

High-Redshift Galaxy Evolution in the Era of JWST and Euclid.

Abstract:

Large-area galaxy surveys and deeper pencil-beam surveys provide important information on different aspects of galaxy evolution at high redshifts. However, these two approaches have traditionally covered too-narrow regions of parameter space, leaving important gaps in galaxy evolution studies. Only now, with access to deep+wide observations, are we starting to recognise the importance of combining these two types of studies. In this talk, I will review some of the most important results on high- z galaxy evolution based on the scientific exploitation of recent deep+wide galaxy surveys. I will also discuss how the coeval operations of Euclid and JWST could provide an unprecedented opportunity to coordinate the two approaches, in order to make the most of our understanding of galaxy evolution.