

Towards a synergy between JWST and ELT

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Since last Summer, JWST is providing us with unique access to the emission of gas and dust in the interstellar medium, planet-forming disks, (exo-)planets, and galaxies over a broad wavelength range ($\sim 1\text{-}27\ \mu\text{m}$). The French community is deeply involved in key science programmes with already published results demonstrating the transformational power of JWST. In that perspective, ELT will be very complementary, with a high angular and spectral resolution in atmospheric bands in the infrared and visible domains. The main challenge for the community is to define ambitious observing programs to fully exploit the synergy between ELT and JWST. In this contribution, we will discuss how to leverage the current JWST observations to prepare and analyse ELT observations.