

WST - the Wide-field Spectroscopic Telescope: surveying the Universe in the 2040's and beyond



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The WST science drivers: transformational science in the 2040s

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The ambitious concept of WST has its root and motivation in science. WST will be able to address outstanding scientific questions in the areas of cosmology; galaxy assembly, evolution, and enrichment, including our own Milky Way; origin of stars and planets; time domain and multi-messenger astrophysics.

I will present an overview of the scientific drivers already identified by the science team and presented in the first WST science white paper (Mainieri et al. 2024). I will also stress the fact that in the coming years there is an important opportunity to contribute to further refine and shape the science drivers for WST.

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