

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



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### Understanding the origin of present-day galaxy Hubble types in different environments

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The variety of galaxy types that we observe today originates from different physical mechanisms, each producing distinct features in the spatially resolved star formation history and stellar kinematics. We propose to use the IFS@WST to carry out a systematic, spatially resolved study of the galaxy population in the nearby ( $z \sim 0.07$ ) and intermediate- $z$  ( $\sim 0.3$ ) Universe, targeting  $\sim 1000$  systems in different environments. The resulting dataset will provide an unprecedented view on the assembly history and formation channels of the different galaxy types in the latest cosmic epoch

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