

## Preparing the LSB science with LSST / Rubin

*mardi 25 mai 2021 15:00 (20 minutes)*

The exploration of the Low Surface Brightness Universe currently motivates several surveys across the world, carried out with a number of instruments, and provides observational constraints for numerical simulations. It impacts multiple scientific fields, including the ISM structure, galaxy archeology, galaxy evolution and cosmology, and has generated passionate debates, for instance regarding the very existence, nature and properties of the so called Ultra-Diffuse-Galaxies. Meanwhile the community prepares for the exploitation of next generation surveys, including Euclid and LSST. For that purpose several science working groups have recently been created. I will present their on-going works, goals, and address in particular the synergy between LSST and Euclid, through the DDP framework.

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**Classification de Session:** Bienvenue à l'INSU