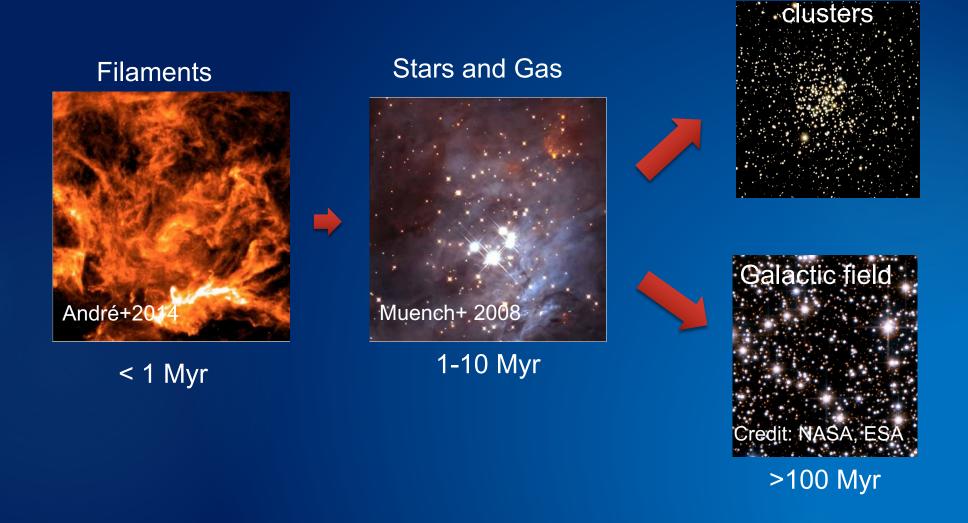


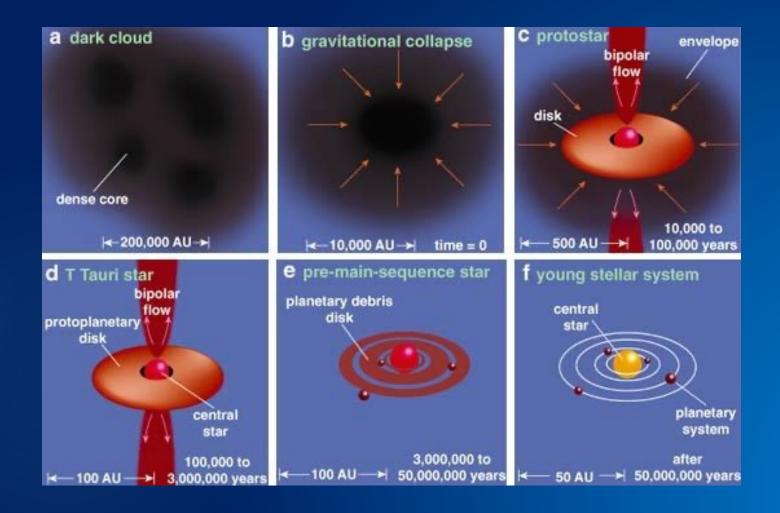
OSSERVATORIO ASTROFISICO DI ARCETRI

# Understanding the origin of stars with HWO GERMANO SACCO

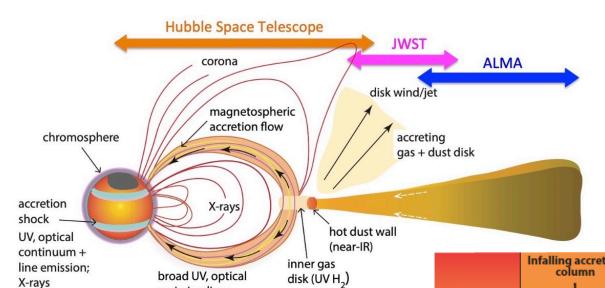
# The formation of stars: parsec scale



#### The formation of stars: AU scale



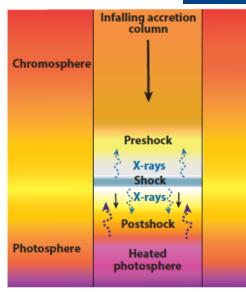
# How do we study young stars

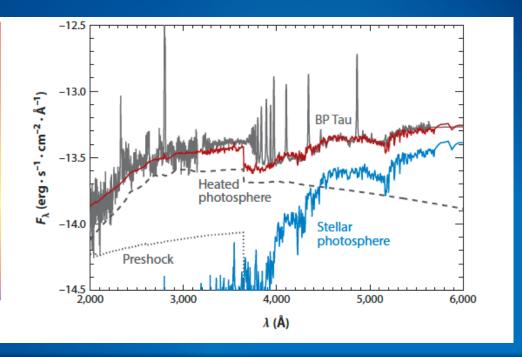


(Hartmann+2016)

UV observations are critical to probe the stars

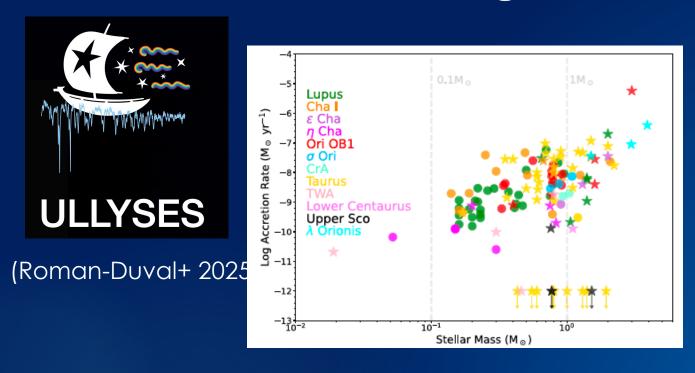
emission lines





WST Italian workshop

#### Towards a multi-wavelength view of local star formation



HST legacy Survey of low mass young stars in the solar neighborhood





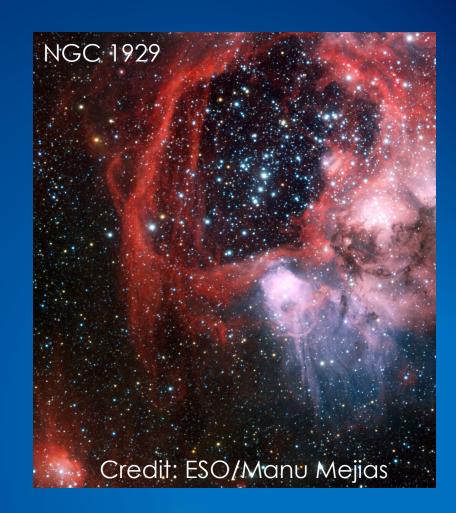
## Star Formation at low metallicity

**Goal:** Investigating star formation at different scales in a low metallicity environment.

Potential Synergies: SKAO

#### Requirements

- G<23 mag
- Resolution 5000
- IFS (clusters)+fibers
- It will benefit from an extension in the NIR



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