

WP5: tools for WP1,2,3 and beyond

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Outline

1 Aims of WP5

2 WP5 outputs and timeline



Main aims of WP5

- SPIRou goal 1: studying Earth-mass planets around M dwarfs (WP1,2)
- SPIRou goal 2: studying star/planetary systems formation (WP3)
- WP5.1: spectral analysis
 - pre-selection of targets → input catalogs
 - characterization of targets from SPIRou spectra
- talk by F. Allard
- WP5.2: large-scale fields of SPIRou targets
 - Study magnetic fields (TTS)
 - Filter activity jitter
 - Characterize planetary environment
- talk by J. Morin
- Theoretical support for SPIRou observations
- talk by L. Jouve
- WP5.3: Earth's atmosphere

Outline

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WP5 outputs and timeline

- WP5 outputs
 - Reference data
 - Synthetic spectra
 - Spectral line lists ("masks")
 - Reference tools/methods
 - Stellar parameters derivation
 - Stellar activity characterization (link WP4)
 - Stellar magnetic field measurements/mapping
 - Earth atmosphere characterization
 - Interface numerical simulations/mapping
 - Theoretical studies
 - Guidance/interpretation for observations
 - Use SLS WP1,2,3 data for "additional" science
 - Synergy WP1,2,3
- WP5 timeline
 - Provide tools for input catalogs / inputs for SLS proposal
 - Provide tools for SLS 1st light
 - Update tools along SLS