

2nd TETIS Workshop



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ELT Framework: the MAVIS and MORFEO use cases

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MAVIS (MCAO Assisted Visible Imager and Spectrograph) is a new instrument being built for the ESO's Very Large Telescope.

MAVIS is currently approaching the Preliminary Design Review (end of Mar 2023) and it is composed of a multi conjugate adaptive optics module and two scientific channels, both operating in the visible range.

MORFEO (Multi conjugate adaptive Optics Relay For ELT Observatory) is the adaptive module for ESO's Extremely Large Telescope.

They will be both among the first ESO instruments that will use the new ESO's ELT-SW framework, under development at ESO.

We present the current status of their control software. We give an overview of their preliminary architectural design, focusing on the functions under software control and the main differences between the two instruments. Then we show how we intend to set up the first functional "skeleton" of both the instruments, which will be the first short-term objective of the design phase.

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