

## 2nd Metis Science Meeting



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### SWA status and science so far

The Solar Orbiter mission represents an unprecedented opportunity to understand the fundamental link between the magnetised solar atmosphere and the dynamics of the solar wind, thanks to its unique payload consisting of both remote sensing and in situ instruments.

Within this framework, the Solar Wind Analyzer (SWA) is a key in situ instrument to characterize the near-Sun environment. In particular, SWA will contribute to provide significant advances in our understanding of the mechanisms accelerating and heating the solar wind, driving eruptions and other transient phenomena on the Sun, and controlling the injection, acceleration, and transport of the energetic particles in the heliosphere. This presentation will provide an overview of the SWA plasma suite, its status, the scientific highlights and synergies.

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