

## **Odin observations of solar-system objects**

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The ODIN satellite, launched 3 years ago, has observed 11 comets and has detected water ( $\text{H}_2^{16}\text{O}$ ,  $\text{H}_2^{17}\text{O}$ ,  $\text{H}_2^{18}\text{O}$ ) with very high frequency resolution, permitting a test of the different models of water emission, and preparing the Rosetta (MIRO) observations of Comet Churyumov-Gerasimenko. Observations of planetary atmospheres (Mars, Jupiter) will be also presented, and show the importance of these for the calibration of future missions (HERSCHEL, PLANCK).

This work is presented on behalf of the ODIN team.