

# Observing our Solar System with the eyes of Herschel

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The Herschel Space Observatory, one of the cornerstone missions of the European Space Agency with participation from NASA, is opening a new window to study the Universe in the far-infrared to submillimeter parts of the electromagnetic spectrum. In the framework of two Herschel Key Programs, I will present an overview of the observations of Solar System targets. These projects address the broad topic of water, its isotopologues, and related chemistry in planetary and cometary atmospheres in order to study their formation and evolution, and physical properties of poorly known objects orbiting beyond Neptune.

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