Solar system studies

The scientific activities of the Pôle Système Solaire within IPSL cover various objects and environments of the solar system. These studies are mainly devoted to planetary atmospheres (e.g. Titan, Venus...), solar system plasma environments, objects with particular interest for exobiology (e.g. comets, Mars...), and the Sun. The research is organized around three activities : numerical simulations, building and use of instruments on board space missions for exploration of the solar system, and experimental simulations of planetary environments in laboratories. The complementarity of these different research fields, as well as the associated methodologies developed in these contexts, allow the Pôle Système Solaire to produce high scientific results on the studied environments, and therefore to significantly help our understanding of the solar system.