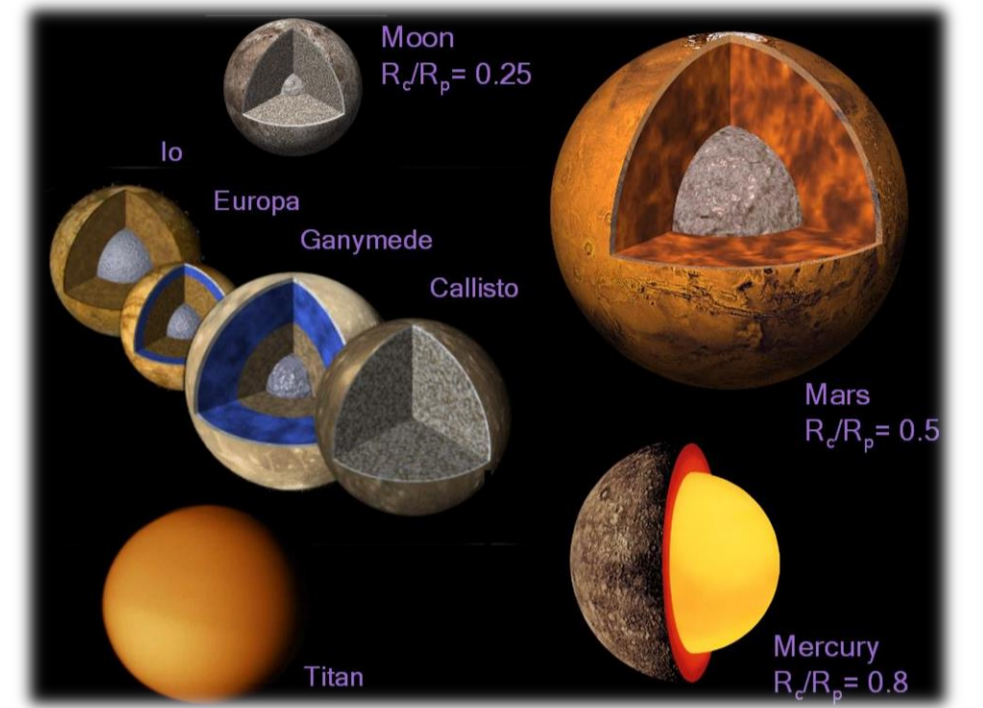
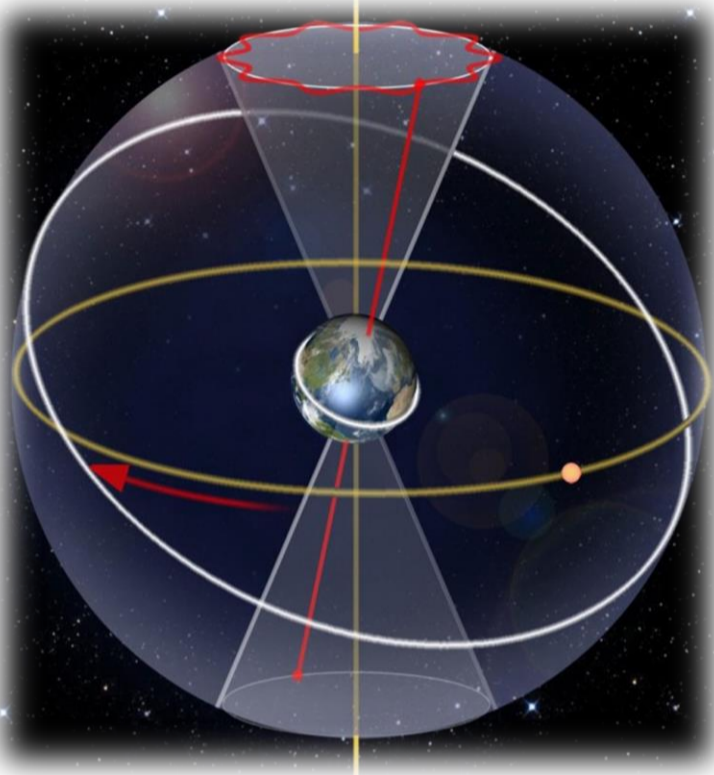




Planetology and Earth Rotation

The **Earth Rotation** team studies the variations in orientation of the Earth and in its rotation rate, in order to determine physical properties of the Earth's interior and of the interactions between the solid Earth and the geophysical fluids. The research work is essentially based on theoretical developments.



The **Planetology** team studies the rotation, the gravitational field and the tides of terrestrial planets, large natural satellites, as well as certain asteroids. Geodetic data is obtained from space probes flying by, orbiting, or having landed on these planets, moons or asteroids. The objective of the research is to better understand their internal structure, composition, evolution, dynamics and atmosphere.

We are involved in several space missions:

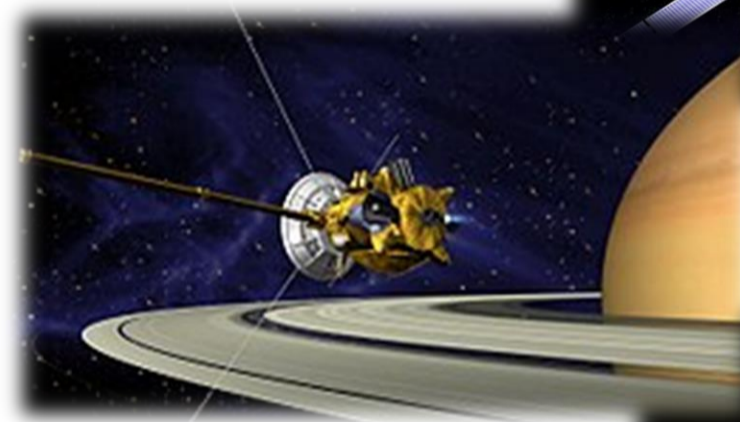
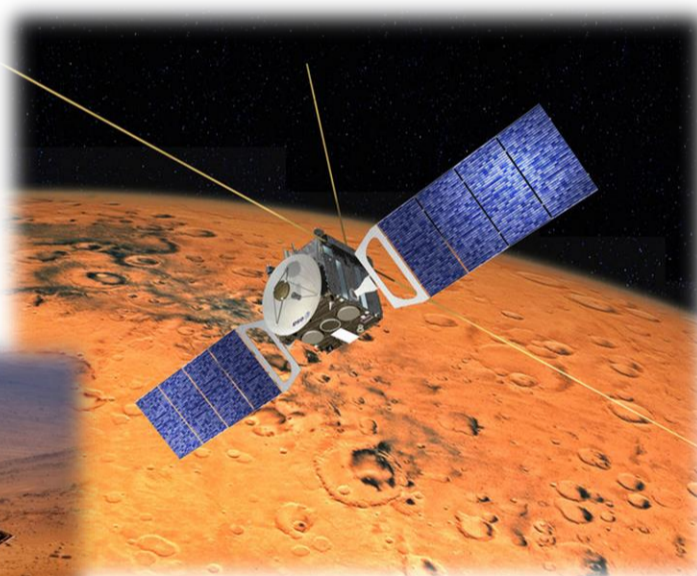


ExoMars, with the Belgian experiment **LaRa**



Mars Express

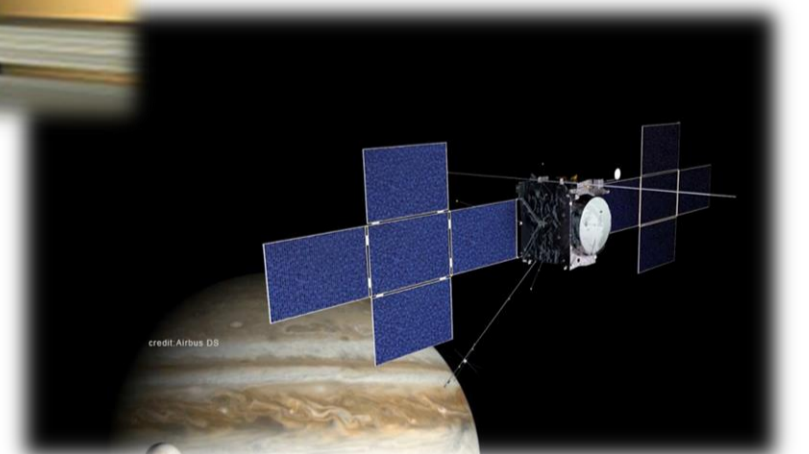
InSight (Interior exploration using Seismic Investigations, Geodesy, and Heat Transport) Mars



Cassini (Saturn)



BepiColombo (Mercury)



JUICE (Jupiter ICy moons Explorer)



HERA, with the Belgian instrument GRASS

