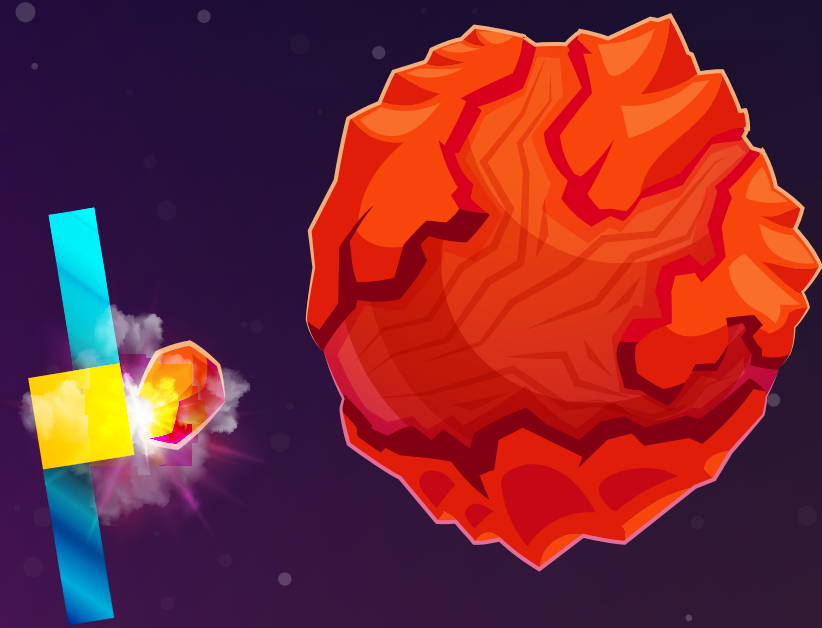


GMV in HERA Mission

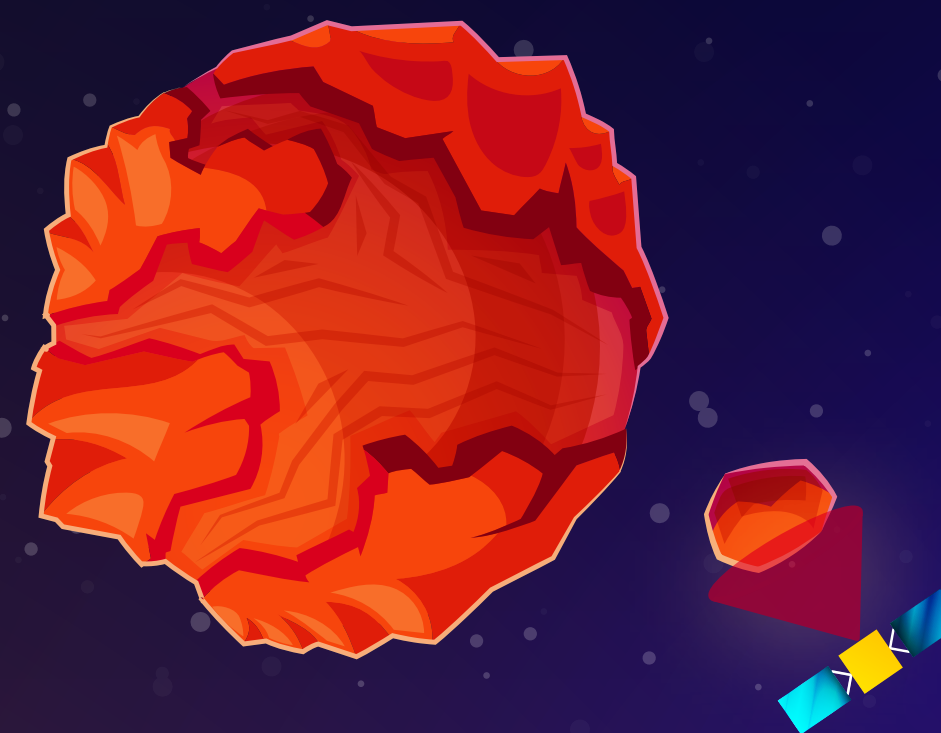


2022

NASA's DART impacts with Dimorphos, the "moonlet" of the Didymos asteroid pair.

ESA's HERA spacecraft will be launched with Falcon 9, to perform close investigation of DART crater/impact effect and characterize the full asteroid.

2024



2026

HERA will reach Dimorphos and will exam the crater (size, ejecta, structure) and collect data to characterize full Dimorphos mass, shape, spin, inner/surface structure and composition, helped by Juventas and Milani.

GMV's role:

GMV has developed the **HERA and Juventas Guidance, Navigation and Control (GNC) Subsystem**.

It runs the flight plan defined by Ground during the first exploration phases and autonomously runs/plans trajectory and manoeuvres on-board during closest phase, including collision avoidance along the way.

