



PRoViScout - Planetary Robotics Vision Scout

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D4.6.1 3D Vision Processing Framework

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Lead contractor for this deliverable JR

Dissemination level: Confidential, only for members of the consortium (including the Commission Services)

EXECUTIVE SUMMARY

This document summarizes the structure of the 3D Vision processing component of the PRoViSC (Planetary Robotics Vision Scouting Chain). The CORBA interfaces of vision sensors access, DEM generation, visual odometry, and a pattern recognition component are described, and the overall structure of these on-board components are outlined. The Aerobot mapping strategy is documented, some use cases are given and further development hints are expressed.

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