

PRoVisG - Planetary Robotics Vision Ground Processing

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D4.4 Algorithm Interface Document

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Work package 4 – PRoViP Task 4.1, 4.3 and 4.5 Processing Core PROVIP

Lead contractor for this deliverable JR

Dissemination level: Restricted to a group specified by the consortium (including the Commission Services)

EXECUTIVE SUMMARY

The PRoVisG research project aims to develop a framework for planetary robotic vision processing bringing together the European space community. Through the better processing and visualisation of data products from robotic missions, reductions in the operational cost and increases in data output can be realised. The project also aims to increase public awareness and provide procedures to effectively distribute mission data and information to the scientific community and general public.

This document reflects the functional requirements addressed to the PRoVisG project and its vision processing chain PRoViP, and gives a detailed view on the explicit functions provided by the consortium members to fulfil a particular requirement. Some of the functions have been integrated into PRoViP, some remained stand-alone for use in a more generic scope.

The functions are described in terms of maturity, integration status into PRoViP, and functional interface. If available, data processing examples are given.

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