

D5.1 ProGIS Detailed Design Document

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Work package 5 – PRoGIS Task 5.2: GIS Data Base & Core

Lead contractor for this deliverable UNOTT

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 by bringing together the European space community. Through better processing and visualisation of data products from robotic missions, there should be reductions in the operational cost and increases in data output can be realised. The project also aims to provide an increase in public awareness and generate procedures for distributing mission data and information to the scientific community and general public.

This document presents the PRoGIS (Planetary Robotics Geographic Information System) design. PRoGIS works as the Web-portal of PRoViP and other closely associated image processing components in PRoVisG. Based on the requirements for PRoGIS identified in WP2 and D4.1, this document discusses specific design issues by introducing two use cases from which more detailed requirements for PRoGIS are derived and the system implementation status described.

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