



PRoViScout - Planetary Robotics Vision Scout

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Lead contractor for this deliverable SSL

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

EXECUTIVE SUMMARY

The FP7-SPACE Project PRoViScout (scheduled from April 2010 to September 2012) aims to demonstrate the feasibility of vision-based autonomous sample identification & selection in combination with vision-based navigation for a long range scouting/exploration mission on a terrestrial planet along with the robotic elements required. This document gives an overview of further use of PRoViScout results by identifying opportunities and evaluating use cases in space and terrestrial sciences plus commercial or public applications, on top of the “regularly planned” results PRoViScout is providing (software & dissemination). One typical example is to use a rover with vision capabilities for these applications. Such applications are e.g. rover actions in contaminated areas, arctic expeditions or underwater explorations. For each opportunity and use case several aspects (unless confidential) are given both on entire system level and concerning its individual components

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