



PRoViScout - Planetary Robotics Vision Scout

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D6.5.2 MER Exploitation Report

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Work package 6 – Simulation & Testing

Lead contractor for this deliverable JR

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

EXECUTIVE SUMMARY

The two MERs Spirit and Opportunity have travelled several tens of kilometres on the Martian surface, and produced hundreds of thousands of images in various geological and morphologic environments. In such way they provide a huge data base to be utilized in the PRoViScout project, which deals with the enhancement of scientific output of future planetary surface mobility missions. This report summarizes the experimenting activities using MER vision data during the 30 Months ProViScout lifetime under various objectives such as the automatic selection of scientifically interesting targets, mapping & navigation, as well as the combination of different cues to increase the scientific output

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