



PRoViScout - Planetary Robotics Vision Scout

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D3.1.1 WWW Catalogue of targets

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Lead contractor for this deliverable DLR

Dissemination level: public

EXECUTIVE SUMMARY

The Robotic Vision Systems developed within the PRoViScout project require a set of training images that show surfaces analogous to those likely encountered on Mars. Moreover, the images need to provide contextual information that enables the system and operators to infer general properties of the geologic environment of the relevant targets. Such images may be ground-based, taken during geologic field campaigns, or may be airborne, acquired with aerial vehicles such as kites or airplanes. Here we describe the Web-based Catalogue of Targets that was developed following the specifications documented in the PRoViScout Science Requirement Document. The catalogue enables user-friendly uploading of images together with attributes (metadata) that contain important information related to the image source and to its geologic content. It also offers easy-to-use access to the image catalogue, which enables users to search for and download specified subsets of images for further processing. The catalogue is hosted in the IDIS Interior and Surfaces Node of the EU FP7-funded Europlanet Consortium and hence benefits from and increases synergies between different FP7 space projects.

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