

D3.6 AO Interface Document

Actual submission date: 2010-03-31

Work package 3 – Interfaces Task 3.6 AO Interfacing

Lead contractor for this deliverable JR

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

EXECUTIVE SUMMARY

One of the PRoVisG Project objectives is the holding & funding of a contest for 3D vision processing in order to keep informed about quality and robustness state-of-art within other groups than the PRoVisG Consortium. This document describes the procedure for this contest (“Announcement of Opportunity” – AO) in terms of dissemination venue, test and reference data generation and presentation, modes and rules of the contest, evaluation strategy and grant procedure.

Table of Contents

1	EXECUTIVE SUMMARY	3
2	Introduction	5
2.1	Purpose and Scope	5
2.2	Exploitation Strategy	5
3	Consolidation	6
3.1	Existing Systems for Comparison.....	6
3.2	Recent Contests & Relevant Data sets	6
3.3	Experience & Hints from recent contests and communication	6
4	AO Option Poll.....	6
4.1	Initial AO Ideas by PRoVisG Partners	6
4.2	AO Options recognized as feasible.....	13
4.2.1	Imaging.....	13
4.2.2	Rover trajectory and terrain reconstruction.....	14
4.2.3	Rover path planning.....	14
4.2.4	Conclusion on AO Options	14
5	Reference Data Generation	15
6	Final AO Scenario	15
6.1	Overview.....	15
6.2	Reference Data	15
6.3	Test data provision and description	15
6.4	AO Rehearsal	15
6.5	Evaluation strategy	15
7	AO Dissemination & Collection Procedure	15
7.1	AO Timeline	15
7.2	Dissemination Venues	16
7.3	AO Dissemination Text	16
7.4	Results Collection Mode	16
7.5	Evaluation Announcement.....	16
7.6	Reward Options.....	16
7.7	Exploitation modes.....	16

automatically given to all members who have entered into the PRoViSG - Planetary Robotics Vision Ground Processing Consortium Agreement, dated September 08, 2008 and to the European Commission to use and disseminate. © Joanneum Research 2010

This document does not represent the opinion of the European Community, and the European Community is not responsible for any use that might be made of its content. The research leading to these results has received funding from the European Community's Seventh Framework Programme (FP7/2007-2013) under grant agreement n° 218814 "PRoVisG".

