


Domains of expertise	Research Organisation	Study Director	Study Nr
Land-mobility	RMA-MECA	Yvan Baudoin	MB07
Title	MOBINISS – Advanced Land-mobility		
Aim of the study	<ol style="list-style-type: none"> Active Participation to the project EDA, NMRS (Networked MultiRobot Cooperation) and FW6, View-Finder Participation to WGs RTO IST/AVT : le IST ET 032 /RTG 014-058 (MultiRobotics Cooperation (Tactics, HMI, Autonomy, Sensors, Design etc) et AVT106 (All electrical combat vehicles, standards) Design and Control of UGV for Security Missions. Insertion of Robotics studies in European Networks CLAWAR , FW6-FW7 , EURON, et international IARP , ITEP, outdoor applications and Edutainment, via EU-US Atlantis education programs Support IARP (International Advanced Robotics Programme) Dynamics of Land vehicles (via MRR03) 		
Description of the methodology	<ul style="list-style-type: none"> - State of the Art through participations to International workshops/conferences - Own development through participations to European Projects and/or Networks 		
Development and achievements for study in progress	<ul style="list-style-type: none"> - Implementation of Exteroceptive sensors (US and Laser) - Implementation of Stereo-vision (current) - Implementation of SLAM techniques (current) 		
Utility for Defense	<ul style="list-style-type: none"> - follow-up of new mobility technologies (a.o. all electrical combat vehicles, eco-propulsion and semi-autonomous UGV) - Support of Crisis management by IEDD, EOD missions - Extension of Mil results to Civilian Protection tasks (Fire-fighting, a.o.) 		
Customer	ACOS STRAT (EDA, RTO), EUR COM (FW6), RMA (Education)		
Partnership	<u>EDA Multi-Robotics systems (projet B-0004-ESM2-ERG, GE, IT, SP, BE..)</u> <u>FW6 Multi Robotics Security View-Finder (projet V-F 045541)(UK, IT, GR, POL)</u>		
Impact (citizen)	Assistive Robotics Security and safety: prevention and intervention Energy management		