

**Collaborative Call for Research Project Proposals with CNES* 2003
Funded Projects**

ID-Id	Title	Role	Institution	City	Country
53-3358	Background studies for the development of high ISP Hall plasma thrusters	CO	Centre National de la Recherche Scientifique (CNRS) / Propulseurs plasmiques pour systèmes spatiaux GDR 2232	Orléans	France
		Team 01	European Space Research and Technology Centre (ESTEC) / TOS-MPE	Noordwijk	The Netherlands
		Team 02	Centre National d'Etudes Spatiales (CNES) / Centre de Recherche de Toulouse	Toulouse	France
		Team 03	SNECMA-moteurs / Division Moteurs Fusée	Moissy-Cramayel	France
		Team 04	Experimental Design Bureau FAKEL / Electric propulsion Department	Kaliningrad	Russia
		Team 05	Moscow Aviation Institute (MAI) / Research Institute of Applied Mechanics and Electrodynamics	Moscow	Russia
		Team 06	Moscow State Institute of Radio Engineering, Electronics and Automation / Department of Physics	Moscow	Russia
		Team 07	Russian Research Centre "Kurchatov Institute" / Division of Physical Technological Developments	Moscow	Russia
		Team 08	Moscow Aviation Institute (MAI) / Electric Propulsion and Spacecraft Powerplants Department	Moscow	Russia
		Team 09	Kharkov State Aerospace University / Plasma Department	Kharkiv	Ukraine
53-4063	Innovative Mars exploration rover using inflatable or unfolding wheels	CO	Centre National d'Etudes Spatiales (CNES) / Centre Spatial de Toulouse	Toulouse	France
		Team 01	VNIITRANSMASH Joint-Stock Company / Space robotics department	St.Petersburg	Russia
		Team 02	Keldysh Institute of Applied Mathematics / Mechanics and Motion Control Department	Moscow	Russia
		Team 03	United Institute of Informatics Problems of NASB / Institute of Engineering Cybernetics	Minsk	Belarus
		Team 04	EADS Astrium / Advanced Projects Department	Bremen	Germany
		Team 05	Université Pierre et Marie Curie Paris VI / Sciences et Technologies de l'information et des communications	Fontenay-aux-roses	France
		Team 06	Centre National de la Recherche Scientifique (CNRS) / Laboratoire d'Analyse et d'Architecture des Systèmes (LAAS)	Toulouse	France
53-4213	Study of multipactor discharges on dielectric surfaces	CO	Chalmers University of Technology / Electrical Engineering and Computer Science Department	Göteborg	Sweden
		Team 01	Centre National d'Etudes Spatiales (CNES) / Microwave Department	Toulouse	France
		Team 02	Institute of Applied Physics / Plasma Physics Department	Nizhny Novgorod	Russia
		Team 03	Institute of Physics of Microstructures / Laboratory of mathematical methods and simulation	Nizhny Novgorod	Russia
		Team 04	Institute of General Physics, RAS / Plasma Physics Department	Moscow	Russia

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53-4456	Gyro MEMS Preliminary Design for a Microsatellite	CO	Centre National d'Etudes Spatiales (CNES) / DCT/TV/MS	Toulouse	France
		Team 01	EADS Deutschland GmbH / SG-IRT-LG-ME (corporate research department)	München	Germany
		Team 02	Russian Institute of Applied Mechanics (RIAM)	Moscow	Russia
		Team 03	NPK Vector / Micromechanics Department	Moscow	Russia
		Team 04	Institute of Electronics of NASB (IEASB) / Microelectronics Department	Minsk	Belarus
53-4490	NRG New Radioisotopic Generator An efficient power source for exploration of the solar system	CO	TECHNICATOME / Equipment and Energy Systems Department	Saint Paul lez Durances	France
		Team 01	FSUE Krasnaya Zvezda / Radiation Safety Department	Moscow	Russia
		Team 02	CJSC RIE Biapos / Research and Design Department	Moscow	Russia
		Team 03	Khristianovich Institute of Theoretical and Applied Mechanics SB RAS / Aerodynamics Department	Novosibirsk	Russia
		Team 04	Alcatel ETCA / Flight Engineering	Mont-sur-Marchienne	Belgium
		Team 05	Institut National Polytechnique de Lorraine / Ecole de Mines de Nancy	Nancy	France
53-5117	Surface Catalysis Determination for Earth and Mars Atmospheric Re-entry Vehicles	CO	Office National d'Etudes et de Recherches Aérospatiales (ONERA) / Modelings for Aerodynamics and Energetics Department	Toulouse	France
		Team 01	Institute of Problems in Mechanics / Plasma Department	Moscow	Russia
		Team 02	Moscow State University (MGU) / Institute of Mechanics	Moscow	Russia
		Team 03	Urals State University / Physics Department	Ekaterinburg	Russia
		Team 04	Von Karman Institute / Aeronautical/aerospace Department	Rhode St. Genèse	Belgium
		Team 05	Centre National de la Recherche Scientifique (CNRS) / Institut de Science et de Génie des Matériaux et Procédés	Odeillo	France
53-5175	Laser Optical Pumping and Coherent Population Trapping in Rubidium beams and vapors for high performance space-borne atomic frequency standards	CO	Observatoire Cantonal de Neuchâtel / Rb clocks and stabilised lasers Department	Neuchâtel	Switzerland
		Team 01	Russian Institute for Radionavigation and Time / Science and Foreign Relations Department	St.Petersburg	Russia
		Team 02	St.Petersburg State Polytechnical University / Light atom interaction Department	St.Petersburg	Russia
		Team 03	Centre National d'Etudes Spatiales (CNES) / Time Frequency Department	Toulouse	France

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53-5203	Studies on the preparation, atomisation and combustion of nanoaluminium – water slurry, a novel “green” propellant for space applications	CO	Centre National de la Recherche Scientifique (CNRS) / Laboratoire de Combustion et Systèmes Réactifs	Orléans	France
		Team 01	Università di Roma "La Sapienza" / Department of Mechanics and Aeronautics	Roma	Italy
		Team 02	Institute of Chemical Kinetics and Combustion / Condensed Systems Combustion Laboratory	Novosibirsk	Russia
		Team 03	Tomsk State University / Department of Physics and Technology	Tomsk	Russia
		Team 04	Institute of High Current Electronics / High Density of Energy Department	Tomsk	Russia
		Team 05	Institute of Energy Problems in Chemical Physics / Ion and Radical Processes Department	Moscow	Russia
53-5301	Experimental and theoretical studies on nitrous oxide catalytic decomposition for use in small thrusters	CO	Centre National d'Etudes Spatiales (CNES) / Propulsion Department	Toulouse	France
		Team 01	Russian Scientific Center "Applied Chemistry" / Institute for Scientific Research	St.Petersburg	Russia
		Team 02	Semenov Institute of Chemical Physics / Laboratory of chemical radiospectroscopy	Moscow	Russia
		Team 03	Université de Poitiers / Organic chemistry catalysis Department	Poitiers	France
		Team 04	SNECMA-moteurs / Chemical propulsion Department	Moissy-Cramayel	France
		Team 05	University of Surrey / Catalysis Department	Surrey	United Kingdom
		Team 06	EADS SPACE Transportation / LP61 - Thruster & Components Department	Möckmühl	Germany
		Team 07	Surrey Satellite Technology Ltd. / Propulsion Department	Surrey	United Kingdom
53-5607	Long lifetime ceramics for Hall Effect Thruster application: a new selection method.	CO	Alta S.p.A. / Electric Propulsion Department	Pisa	Italy
		Team 01	SNECMA-moteurs / Division Moteurs Fusees	Moissy-Cramayel	France
		Team 02	Centre National d'Etudes Spatiales (CNES) / Department of Propulsion, Pyrotechnie, Propreté	Toulouse	France
		Team 03	Moscow Aviation Institute (MAI) / Department of Electric Propulsion and Spacecraft Powerplants (K208)	Moscow	Russia
		Team 04	Moscow State University (MGU) / Physical Electronics Department	Moscow	Russia