

Programul de Cercetare-Dezvoltare-Inovare -Tehnologie Spatiale si Cercetare Avansata -STAR

PROIECTE tip CDI

Lista proiectelor eligibile Competitia C3-2016

Nr Crt	ID	Titlu proiect	Acronim	Institutie coordonatoare	Nume director proiect	Status eligibilitate
1	453	Charged Particle Distribution and Radiation in Astrophysical Stochastic Configurations	RASC	Academia Romana	Mocanu Gabriela	Eligibil
2	474	Computational Methods in Astrophysics and Space Sciences	COMASS	UNIVERSITATEA DE VEST DIN TIMISOARA	VULCANOV DUMITRU	Eligibil
3	486	SYNTHESIS OF INTERSTELLAR DUST ANALOGS BY PLASMA METHODS	PLASMADUST	Universitatea Alexandru Ioan Cuza din Iasi	Topala Ionut	Eligibil
4	520	Embedded sensors for neutron and gamma detection in space	NEU_SPACE	INCDFM	Polosan Silviu	Eligibil
5	524	Studies regarding the efficiency increase of a liquid hydrogen turbopump by using an innovative centrifugal pump design	REPID	INCDT COMOTI	Malael Ion	Eligibil
6	537	Cluster Flux Gate Magnetometer Daily Calibration and Plasma Waves Analysis	TUNED-PLAY	INFLPR - Institutul de Stiinte Spatiale	Constantinescu Ovidiu Dragos	Eligibil
7	553	Quantum Engineering with ion traps. Applications in ultra-precise atomic clocks, navigation, geodesy and quantum metrology	QuEIGHT	Institutul National pentru Fizica Laserilor, Plasmei si Radiatiei (INFLPR)	Mihalcea Bogdan	Retras din competitie
8	568	Advanced simulations and observations of ultra high energy cosmic ray induced air showers using innovative ground-based and satellite Earth and Space Observation Techniques	ESOTech	Institutul de Stiinte Spatiale - Filiala INFLPR	Isar Paula Gina	Eligibil
9	572	Nanoparticle selfassembly in stellar dust and its impact on the absorption spectrum (217.5 nm band)	NANODUST	Institutul National pentru Fizica Laserilor, Plasmei si Radiatiei (INFLPR)	Gavrila-Florescu Lavinia	Eligibil
10	581	Open-source software analysis tool to investigate space plasma turbulence and nonlinear DYNamics	ODYN	Institutul de Stiinte Spatiale	Teodorescu Eliza	Eligibil
11	609	Quantum Engineering with ion traps. Applications in ultra-precise atomic clocks, navigation, geodesy and quantum metrology	QuEIGHT	Institutul National pentru Fizica Laserilor, Plasmei si Radiatiei (INFLPR)	Mihalcea Bogdan Vasile	Eligibil

12	617	Experimental Models for Lunar Dust Levitation in low density plasma conditions	ExpM-LunarDust	Institutul National pentru Fizica Laserilor, Plasmei si Radiatiei (INFLPR)	Banu Nicoleta	Eligibil
13	618	Radiation Shielding Simulation for Jovian extreme environment	RSSJOEN	Institutul National pentru Fizica Laserilor, Plasmei si Radiatiei (INFLPR)	Mitu Maria-Luiza	Eligibil
14	635	Dusty plasma experiments for space missions	DustExSpace	Institutul National pentru Fizica Laserilor, Plasmei si a Radiatiei	Scurtu Adrian	Eligibil
15	636	Reliability Assessment in Manufacturing MEMS Sensing Arrays for Entry Shields	RAMMSAES	Institutul National pentru Fizica Laserilor, Plasmei si Radiatiei	Ighigeanu Daniel Paul	Eligibil
16	644	Onboard nonlinear Analysis of data: a New technology based on field programmable gate Arrays (OANA)	OANA	INSTITUTUL DE STIINTE SPATIALE -Filiala INFLPR	Echim Marius	Eligibil
17	650	Optofluidic properties of laser exposed non-antibiotics microdroplets subjected to hypergravity conditions	HYPERMED-2	Institutul National pentru Fizica Laserilor Plasmei si Radiatiei	Pascu Mihail Lucian	Eligibil
18	655	Radial evolution of solar wind plasma turbulence:model and prediction	REWIND	Institutul de Stiinte Spatiale-Filiala INFLPR	Comisel Horia	Eligibil
19	697	Canonical Approaches in Cosmology Supported by Spatial Missions Data	CANON-APP	Institutul de Stiinte Spatiale	Popa Florian Catalin	Eligibil
20	708	Plasma Shocks and Instabilities in Relativistic Jets of Gamma-ray Bursts	GRBjets	Institutul de Stiinte Spatiale (INFLPR)	Dutan Ioana	Eligibil
21	577	ADVANCED AIR DIFFUSION SYSTEM OF THE CREW QUARTERS FOR THE ISS AND DEEP SPACE HABITATION SYSTEMS	QUEST	Universitatea Tehnica de Constructii Bucuresti	Nastase Ilinca	Eligibil
22	628	Ammonia detector for leakages inside the International Space Station	AMLESS	Institutul National de Cercetare Dezvoltare pentru Fizica Materialelor	Simion Cristian Eugen	Eligibil
23	450	Aerosol properties retrieval from remote sensing spectroscopic measurements	AiRFRAME	Institutul National de Cercetare-Dezvoltare pentru Optoelectronica	Vasilescu Jeni	Eligibil

24	463	Monitoring of clouds, aerosols, solar radiation and emission surface fluxes using a multidisciplinary network over an active tectonic zone	MultyAeroNet	INSTITUTUL NATIONAL DE CERCETARE DEZVOLTARE PENTRU FIZICA PAMANTULUI	TOADER Victorin-Emilian	Eligibil
25	477	Exploration of the auroral ionosphere with Swarm and FAST data	EXPRESS	Institutul de Stiinte Spatiale - filiala INFLPR	Marghitu Octav	Eligibil
26	480	Eye on Earth	EonE	Institutul National pentru Fizica Laserilor, Plasmei si Radiatiei	Sporea Dan	Eligibil
27	483	Initial operational system integrating space observation and in-situ data for risk assessment, surveillance and control of mosquito-borne diseases in Romania	INOPSYS	Institutul National de Cercetare Cantacuzino	NICOLESCU GABRIELA	Eligibil
28	495	Computational Intelligence-Based Techniques for Earth Observation Image Mining	CI2Mining	UNIVERSITATEA POLITEHNICA din BUCURESTI	Neagoie Victor-Emil	Eligibil
29	500	Fuzzy Statistics applied in Satellite Image Time Series Classification based on Longest Common Subsequence	LOCOSITS	Institutul de Stiinte Spatiale	Cucu-Dumitrescu Catalin	Eligibil
30	505	Atmospheric studies in support of ESA's sentinel 4 and 5 products	ASSESS	Institutul National de Cercetare Dezvoltare Aerospaciala "Elie Carafoli" - INCAS	Boscornea Andreea	Eligibil
31	510	Remote-controlled CCD astro-geodetic zenith instrument for determination of the deviation of the vertical	ASTROZEN	Institutul Astronomic al Academiei Romane	Badescu Octavian	Eligibil
32	512	Multiple Input Multiple Output Synthetic Aperture Radar Demonstrator	MIMO-SAR	Universitatea Politehnica din Bucuresti	Anghel Andrei	Eligibil
33	529	HIGH EFFICIENCY REACTION WHEELS POWER CONTROLLER	RW-HEC	ICPE	STANCIU Viorel Serban	Eligibil
34	530	Algorithms and application-specific hardware architectures for Earth Observation data processing and high-throughput secured satellite data transmission	APPSAT	Institutul National de Cercetare-Dezvoltare pentru Tehnologii Izotopice si Moleculare	Belean Ioan Bogdan	Eligibil
35	536	Integrated Satellite and Land Observation System for Illegal logging Prevention	SYLVANUS	Universitatea Politehnica din Bucuresti	Stefan Gheorghe	Eligibil

36	542	Monitoring the temperature extremes based on satellite remote sensing	MONITEX	Universitatea din Bucuresti	Cheval Sorin	Eligibil
37	547	Modern management of crops, soil and farm waters through remote sensing and classical methods in the bioeconomy context	CroWaM	UNIVERSITATEA DE STIINTE AGRONOMICE SI MEDICINA VETERINARA DIN BUCURESTI	ORTAN ALINA	Eligibil
38	549	Development of quadrupole and multipole ion trap based mass spectrometers for optical characterization and chemical analysis of atmospheric aerosol particles	QITMS	Institutul National pentru Fizica Laserilor, Plasmei si Radiatiei (INFLPR)	Mihalcea Bogdan	Retras din competitie
39	551	ADVANCED SATELLITE MONITORING TECHNOLOGIES OF HEAT WAVES IMPACTS ON URBAN HEAT ISLANDS AND CLIMATE OF BUCHAREST METROPOLITAN ZONE	USATCLIM	Institutul National de Cercetare Dezvoltare pentru Optoelectronica INOE 2000	ZORAN MARIA	Eligibil
40	557	Intelligent environment sensing array for UAVs	EnviROSense	Universitatea din Bucuresti	Iordache Stefan-Marian	Eligibil
41	561	HIGHLY EFFICIENT MAGNETIC BEARING FOR ATTITUDE CONTROL SYSTEMS	Mag Be	ICPE	MINCIUNESCU Paul	Eligibil
42	573	Pattern Recognition on Temporal Series	PARETO	Institutul de Stiinte Spatiale	Constantinescu Vlad	Eligibil
43	576	ADVANCED GEOSPATIAL MODELING FOR THE LOWER ATMOSPHERE IONOSPHERE INTERACTION	GEOMOD	Institutul National de Cercetare Dezvoltare pentru Optoelectronica INOE 2000	ZORAN MARIA	Eligibil
44	579	Multi-level indexing structures for Big Data analysis	EO-GRID	Universitatea Politehnica Bucuresti-Centrul de Cercetare pentru Informatie Spatiale	Vaduva Corina	Eligibil
45	585	Persistent Scatterers Time-Series Analysis and Post-processing Tool with Application to Infrastructure Threat Detection	PSTool	TERRASIGNA SRL	TOMA STEFAN ADRIAN	Eligibil
46	588	High Performance OSR-based Radiators for High Temperature Gradients onboard Scientific, Earth Observation and Commercial Satellites and Instruments and Development of Associated Cost Efficient Test Methods	HIRAD	High Performance Structures Inovatie si Dezvoltare	Cojocar Draguleanu Astrid Mihaela	Eligibil
47	589	Multi-temporal Synthetic Aperture Radar based detection and mapping of changes of the ground properties induced by water content variations	SAR4Water	TERRASIGNA SRL	Valentin Poncos	Eligibil

48	591	Technology for using Copernicus data to survey the dynamics of Romanian agricultural landscape in the context of economic transition and Common Agricultural Policy	Tecăleand	TERRASIGNA SRL	Cristian Flueraru	Eligibil
49	596	GIS Platform with Integrated Data Mining Tools	GIS-DM	Universitatea Politehnica Bucuresti - Centrul de Cercetare pentru informatie Spatiale	Popescu Anca-Andreea	Eligibil
50	598	GOCE global geoid model evaluation in Romania	GEOEVAL	Universitatea Tehnica de Constructii Bucuresti	Dumitru Paul Daniel	Eligibil
51	599	Improving of ground-based validation techniques of satellite radar interferometry products over tectonic belts. Study area: Carpathian and Subcarpathian Prahova Valley	GEOVIEW	Universitatea Tehnica de Constructii Bucuresti	Dumitru Paul Daniel	Eligibil
52	606	Development of quadrupole and multipole ion trap based mass spectrometers for optical characterization and chemical analysis of atmospheric aerosol particles	QIT-MS	Institutul National pentru Fizica Laserilor, Plasmei si Radiatiei (INFLPR)	Mihalcea Bogdan Vasile	Eligibil
53	613	ELECTRIC MOTORS PARTICULARITIES FOR EARTH OBSERVATION MISSIONS	SPACE-EMOT	ICPE	VARATICEANU Bogdan Dumitru	Eligibil
54	615	Forest analysis application that integrates satellite imagery and field tree measurements for wood volume estimations and dimensional sorting	FORSAT	SC Salvador Company SRL	Chitulescu Vlad Alexandru	Eligibil
55	623	Ocean Color Data Validation Integrate System for Assessment of the Marine Ecosystem Dynamics and Damage Mitigations of the Extreme Natural Phenomena	DOMINO	Institutul National de Cercetare-Dezvoltare Marina "Grigore Antipa"	Mihailov Maria Emanuela	Eligibil
56	632	Semantic Sentinel Data Access Exploitation Platform	SSEDAC	TERRASIGNA SRL	Florin Serban	Eligibil
57	634	Multi-satellite techniques applied to Swarm observations of field-aligned currents	MUSTANG	INSTITUTUL DE STIINTE SPATIALE - Filiala INFLPR	Blagau Adrian	Eligibil
58	640	Pilot studies regarding the ASSESSMENT of ecosystems services based on vegetation phenology of ROMANIAN GRASSlands using remote sensing	PASSROGRASS	Institutul de Biologie Bucuresti al Academiei Romane	Onete Marilena	Eligibil
59	651	Software Tools for Advanced Satellite Image Analysis	STASIA	INFLPR	Popescu George	Eligibil

60	656	Technology for Automatic Monitoring of Tree Loss and Gain in Forest Areas	TecMoFor	TERRASIGNA SRL	Cristian Flueraru	Eligibil
61	662	Applications of SENTINEL imagery in agricultural crops evaluation and monitoring	AGROSENT	EUROSENSE ROMANIA - SRL	MARCOV DANIELA MARIA	Eligibil
62	664	Integrated system for monitoring the dynamics of Danube's banks morphological changes along the Romanian sector	Danube SyMB	Institutul National de Cercetare-Dezvoltare pentru Protectia Mediului	DEAK Gyorgy	Eligibil
63	665	Water quality high resolution monitoring Services for the Romanian Black Sea coastal zone	WAQIMBA	SC Esri Romania SRL	Sandric Ionut	Eligibil
64	666	Intelligent Software for Aerosol typing Based on Earth observation products, remote sensing measurements and transport modelLing	ISABEL	Universitatea Babes Bolyai	Ajtai Nicolae	Eligibil
65	667	Service for water quality monitoring for sustainable fishing in Romanian Coastal area	SkyFISH	TERRASIGNA SRL	Constantinescu Stefan	Eligibil
66	672	Big data Analytics platformM for the Black sEa Region	AMBER	TERRASIGNA SRL	Craciunescu Vasile	Eligibil
67	680	SaTellite pRoducts vAlidaTion USing ground based lidar stations	STRATUS	Institutul National de Cercetare Dezvoltare pentru Optoelectronica INOE 2000	Belegante Livio	Eligibil
68	683	Feasibility study of Synthetic View application on satellites	SyVi	INCAS	Balmus Elena Ioana	Eligibil
69	686	Integrated in-situ monitoring system using remote sensing data regarding snow cover and soil moisture content in Baragan Plain, Romania	SNOWBAR	Institutul National de Cercetare-Dezvoltare pentru Protectia Mediului (INCDPM)	Matei Monica	Eligibil
70	687	Electric and magnetic coupling between Litosphere Ionosphere and Atmosphere from SWARM observations	ELIAS	INSTITUTUL DE STIINTE SPATIALE -Filiala INFLPR	Echim Marius	Eligibil
71	692	Historical edifice architectural and structural integrity assessment through InSAR, LiDAR and Photogrammetry techniques	HERITAGE	Universitatea Tehnica de Constructii Bucuresti	Andronic Adrian	Eligibil

72	694	Development of a technology for the prognosis of the industrial landfills stability by an integrated system of numerical simulation, satellite techniques and in-situ measurements - Case study: the tailings ponds Balan	BALSATELIT	Institutul National de Cercetare-Dezvoltare pentru Protectia Mediului	DEAK Gyorgy	Eligibil
73	695	Developing a technology to combat drought forecasted at national level by using satellite, observational and climate model data	DROUGHTSAT	Institutul National de Cercetare-Dezvoltare pentru Protectia Mediului (INCDPM)	Matei Monica	Eligibil
74	699	HORUS - Software Toolbox for Pedological Monitoring of Transylvanian Area based on Sentinel-2 Data	HORUS	Universitatea Tehnica din Cluj-Napoca	Gorgan Dorian	Eligibil
75	700	InSAR processing for Romania using Sentinel-1 data: elaboration of the first map of persistent radar targets of Romania	SAR4Ro	TERRASIGNA SRL	Teleaga Delia	Eligibil
76	701	Integrated platform for land/water monitoring based on remote and in situ measurements	RISE	Universitatea Politehnica din Bucuresti, Centrul de Cercetare pentru Informatie Spatiala	Sacaleanu Dragos Ioan	Eligibil
77	702	Ground based polarimetric P-band MIMO imaging radar for biomass mapping	BIOSAR 2	TERRASIGNA SRL	TOMA STEFAN ADRIAN	Eligibil
78	703	H.A.R.P. - L.W.A. AUGMENTOR	REZONANT EXPLORER	AEROCONTROL UAV SRL	POGAN TAMIRIS	Eligibil
79	441	Integrated photonic source for satellite quantum cryptography	QULIGHT	University Politehnica of Bucharest - Research Centre for Spatial Information (UPB-CeoSpaceTech)	Ionicioiu Radu	Eligibil
80	452	SDR-based Terrestrial Gateway for M2M and IoT Applications	STARGATE-MIPS	Universitatea Transilvania Brasov	Popescu Vlad	Eligibil
81	515	Foldable Wing High Altitude Pseudo Satellite	FHAPS	INCDTP - Institutul National de Cercetare Dezvoltare pentru Textile si Pielarie	Salistean Adrian	Eligibil
82	540	Quantum communication over a long distance in the free space	Qspace	Universitatea POLITEHNICA din Bucuresti	Falie Dragos	Eligibil
83	602	Compact antennas based on advanced dielectric materials for harsh environment communications	COMAND	Institutul National de Cercetare-Dezvoltare pentru Fizica Materialelor	Nedelcu Liviu	Eligibil

84	630	Multilayer coatings for low PIM space antenna	MCOATANT	Institutul National de Cercetare Dezvoltare pentru Fizica Laserilor, Plasmei si Radiatiei	Valentin Ion	Eligibil
85	669	Self-powered integrated MEMS accelerometer for space applications	inTEGMEMS	Universitatea Tehnica din Cluj-Napoca	Pustan Marius	Eligibil
86	434	Image acquisition module with real time image pre-processing component	ACQUIRE	Institutul de Stiinte Spatiale - filiala INFLPR	Ghenescu Veta	Eligibil
87	440	New Compliant Quadruped Mobile Robot for Space Exploration	QUADRO	Universitatea Politehnica Timisoara	Moldovan Cristian	Eligibil
88	444	Reconfigurable and adaptive robotic structures for exploration and tracking in hostile environments based on natural models	OVERTERANS	IAROM	Toncea Radu Tudor	Eligibil
89	459	Integrated Multi-Agent Aerial Robotic System for Exploring Terrestrial Regions of Interest	MAARS	Universitatea POLITEHNICA Bucuresti	Popescu Dan	Eligibil
90	460	New COmposite structural design and technological Solutions for MArs Sample return capsule	COSMAS	INCDTurbomotoare COMOTI	Voicu Raluca	Eligibil
91	522	MicroLIBS sensors for robotic planetary and astrobiological exploration missions	ROBIM	Universitatea Alexandru Iona Cuza din Iasi	Gurlui Silviu	Eligibil
92	564	Biosealing for Mars Sample Containment System	SealSamCo	S.C. Roseal S.A.	Borbath Tunde	Eligibil
93	566	Multimodal machine interaction for space applications based on human biopotentials	BRAINSPACE	Universitatea Transilvania din Brasov	Postelnicu Cristian-Cezar	Eligibil
94	619	Autonomous unmanned ground vehicle for planetary surface exploration	AUGV	Institutul National de Cercetare - Dezvoltare pentru Mecatronica si Tehnica Masurarii - INCDMTM	POPAN Gheorghe	Eligibil
95	648	Development of VEDIR robots for rough terrain exploration missions	VEDIR	SC CD-POT - Centru de cercetare si dezvoltare pentru proiectare si optimizare procese tehnologice SRL	Cirstea Cristiana	Eligibil

96	690	Affordable Robotic Expandable Exploration Platform	AREEP	INCAS	Panait Alexandru-marius	Retras din competitie
97	696	Affordable Robotic Expandable Exploration Platform	AREEP	INCAS	Panait Alexandru-marius	Retras din competitie
98	698	Affordable Robotic Expandable Exploration Platform	AREEP	INCAS	Panait Alexandru-Marius	Eligibil
99	705	Telerobotic system for safe handling of Mars samples	XPLORE	Universitatea Tehnica din Cluj-Napoca	Gherman Bogdan-George	Eligibil
100	706	Spectral Identification Device camera for mineral and petrographic characterization	SpectrID camera	GEOCHEM	Popa Ionut Ciprian	Eligibil
101	454	Laser methods to generate and investigate nano-emulsions of sclerosing agents and associated medicines in normal and hypergravity conditions.	INSTAR	Institutul National pentru Fizica Laserilor Plasmei si Radiatiei	Nastasa Viorel Vasile	Eligibil
102	466	In vitro evaluation of potential biomedical strategies aimed to prevent bone loss during spaceflight	SPACEBONE	Institutul de Biochimie al Academiei Romane	SIMA Livia Elena	Eligibil
103	469	ADVANCED EVALUATION DEVICE BASED ON VIBRATION PROPAGATION ANALYSIS IN STRIATED MUSCULAR TISSUE FOR MICROGRAVITY CONDITIONS	MusTone-A	Institutul de Stiinte Spatiale Filiala INFLPR	Nistorescu Alexandru Ion	Eligibil
104	475	Compact sources of laser ion acceleration - powerful instruments for space radiation studies	COSMOS	Institutul National de Fizica Laserilor, Plasmei si Radiatiilor	BUDRIGĂ, OLIMPIA	Eligibil
105	481	The cardiovascular risk in periodontal disease and maxillofacial fractures under microgravity and radiation conditions	CARDIODENT-SPACE	Universitatea de Medicina si Farmacie "Iuliu Hatieganu" Cluj-Napoca	Ilea Aranka	Eligibil
106	488	A Nanotechnology to Support Life inside a Spacecraft	CANAN	Institutul National de Cercetare-Dezvoltare in Domeniul Patologiei si Stiintelor Biomedicale Victor Babes	Leabu Mircea	Eligibil
107	498	AUTOMATIC SPEECH AND LANGUAGE DISORDER IDENTIFICATION PROOF-OF-CONCEPT FOR ASTRONAUTS' PSYCHOLOGICAL STRESS APPLICATION	ASPESS	Institutul de Stiinte Spatiale (ISS) - Filiala INFLPR	VIZITIU Cristian	Eligibil

108	563	Antibacterial biomaterials generated by plasma technique and tested in particles and photons fluxes; a new light weight shielding materials to be used in space stations	ABISRAM	Institutul National de Fizica Laserilor Plasmei si Radiatiei	GROZA Andreea-Liliana	Retras din competitie
109	584	Body energy harvesting and conversion for backup electronic power supplies	BEHPS	Universitatea din Bucuresti	Zarnescu George Claudiu	Eligibil
110	586	Microgravity Enabled Training Device with Synthetic Opposable Force	MICROTRAD	INSTITUTUL DE STIINTE SPATIALE - Filiala INFLPR	Valeanu Vlad	Eligibil
111	597	MODULAR CULTIVATION SYSTEM FOR MYCORRHIZAL PLANTS	MCS	Institutul de Stiinte Spatiale	Mogildea George	Eligibil
112	612	Technologies for elastomeric nanocomposites development for low temperature and radiation resistant O-rings manufacturing, with potential applications in space, aeronautics, security and other related fields	NANOELAST-O	National Research and Development Institute for Textiles and Leather - Division Leather and Footwear Research Institute (ICPI)	STELESCU Maria Daniela	Eligibil
113	627	Wearable sweat sensor for mission personnel continuous health monitoring	Sweat	INCD Fizica Materialelor	Enculescu Ionut	Eligibil
114	643	Antibacterial biomaterials generated by plasma technique and tested in particles and photons fluxes; a new light weight shielding materials to be used in space stations	ABISRAM	Institutul National de Fizica Laserilor Plasmei si Radiatiei	GROZA Andreea-Liliana	Eligibil
115	653	"Moon Village" Romanian Concept. Mission Analysis, Needs, Requirements Identification and Verification	MoonRO	Institutul de Stiinte Spatiale	ZGURA Ion-Sorin	Eligibil
116	657	Cortical electrical activity dynamics in connection with motor activities tracking and training system	CORTDYM	INSTITUTUL DE STIINTE SPATIALE - Filiala INFLPR	de HILLERIN Pierre Joseph	Eligibil
117	676	Study on human transport systems to Mars using ion propulsion	SMART-prop	Universitatea "POLITEHNICA" Bucuresti-Centrul de cercetari pentru aeronautica si spatiu	Cican Grigore	Eligibil
118	429	Suborbital Launch System Developing - Flight Experiments	SLD	Universitatea POLITEHNICA din Bucuresti - Centrul de Cercetari pentru Aeronautica si Spatiu	Chelaru Teodor-Viorel	Eligibil
119	462	Research, design, development and bench testing of a hybrid reactive propulsion system for space launcher applications area , with innovative inhomogeneous fuel and adaptive electrical control of parameters	SPECH	Academia Tehnica Militara	Tiganescu Tudor-Viorel	Eligibil

120	504	Dynamic Automatic High-Altitude Recovery of Reusable Launch Systems	DAHARRLS	Institutul National de Cercetari Aerospatiale Elie Carafoli	Neamtu Andrei-Sorin	Eligibil
121	511	Supersonic turbines for micro launchers	STIMuLUS	Institutul National de Cercetare - Dezvoltare Turbomotoare COMOTI	CUCIUMITA CLEOPATRA	Eligibil
122	514	Integrated Guidance Navigation Control and Management System for a suborbital launcher	GNCS	Universitatea Politehnica din Bucuresti - Centrul de Cercetari pentru Aeronautica si Spatiu	Constantinescu Cristian-Emil	Eligibil
123	544	3d printing technology evaluation for turbopump rotor manufacturing	3dRotor	Institutul National de Cercetare-Dezvoltare Turbomotoare COMOTI	Vilag Valeriu-Alexandru	Eligibil
124	569	Exploratory study for an environment friendly liquid rocket engine for low earth orbit insertion	ESEFLIRE	Universitatea Politehnica din Bucuresti	Isvoranu Dragos	Eligibil
125	578	Research and development of methane pump of a turbopump for small launchers	METHAPUMP	INSTITUTUL NATIONAL DE CERCETARE DEZOLTARE TURBOMOTOARE COMOTI	Mihalache Radu	Eligibil
126	611	Innovative concept concerning the achievement of thermal protection advanced materials with applications in reusable launch vehicles	ThermoComp	Institutul National de Cercetare-Dezvoltare Aerospatiale "Elie Carafoli"	Stefan Adriana	Eligibil
127	614	Pulse Operated, High Efficiency Thermoelectric Generator based on ultrafast thermal charging supercapacitors useful as power source for launchers	POHETEGUS	Institutul National de Cercetare Dezvoltare pentru Inginerie Electrica INC DIE ICPE-CA	Nedelcu Marin	Eligibil
128	624	MIcro LAuncher based on DEtonation Engine	MILADEE	Institutul National de Cercetare Dezvoltare Turbomotoare COMOTI	Porumbel Ionut	Eligibil
129	661	Test bench for upper stage attitude control laws validation	CLUST	Institutul National de Cercetare-Dezvoltare "Elie Carafoli" - INCAS Bucuresti	TOADER ADRIAN	Eligibil
130	675	Liquid Propellant Control System for Launcher Injector Assemblies	CONSYST	INC DIE ICPE-CA	PISLARU-DANESCU Lucian	Eligibil
131	681	Avanced Energetic Materials, 3D Printing, for Application in Solid Propellant Rocket Motors	ADMAT3D	CENTRUL DE CERCETARE STIINTIFICA PENTRU APARARE CBRN SI ECOLOGIE	MATACHE LIVIU-CRISTIAN	Eligibil

132	691	Aero-Thermo Analysis and Optimization Tools for Air-Breathing and Aero-Spike Propulsion Systems for Reusable Lower Stages Launcher	ALTOTAL	INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE AEROSPATIALA "ELIE CARAFOLI"	Andrei Irina-Carmen	Eligibil
133	431	Advanced Magnetoplasmadynamic Thruster	AMPDT	INCDT COMOTI	Barbu Ene	Eligibil
134	433	Ageing effects analysis methods for thin films based photovoltaic cells for space applications	APVSA	Institutul de Stiinte Spatiale-Filiala INFLPR	Ghenescu Marian Traian	Eligibil
135	437	Designing of novel metamaterials for spatial missions and architecturing the intelligent cloaks in a given frequency band	SHADOW	Institutul de Mecanica Solidelor, Academia Romana	Munteanu Ligia Adriana	Eligibil
136	439	Hybrid power source for pseudo-satellites	HYPOPS	UNIVERSITATEA DIN CRAIOVA	Corcau Jenica Ileana	Eligibil
137	443	System for evaluation of resistance to stress and pilot training	SEVAR	SC IAROM SA Bucuresti	CRUDU EUGEN	Eligibil
138	445	Smart material based thermal buffer for passive spacecraft thermal control	Cool-PCM	Universitatea din Bucuresti	Balan Adriana-Elena	Eligibil
139	448	Sustainable Biochemical Method for Air Revitalisation in Spacecrafts	BIO-MARS	Universitatea Tehnica "Gheorghe Asachi" din Iasi	Soreanu Gabriela	Eligibil
140	449	Development of Self-Healing Advanced Composite Materials for Space Debris impact events	SHACMAT	INCDTurbomotoare COMOTI	Voicu Raluca	Eligibil
141	451	Space propulsion technology based on a pulsed magnetoplasma coaxial thruster	PROPLASJET	Institutul National de Fizica Laserilor, Plasmei si Radiatiilor	TICOS CATALIN MIHAI	Eligibil
142	456	ADVANCED 3D PRINTING TECHNOLOGY AND SYSTEM FOR SPACE APPLICATIONS INCLUDING OPERATION UNDER VERY LOW GRAVITY CONDITIONS	3D-Print-LowG	Institutul National de Cercetare-Dezvoltare pentru Microtehnologie	Moagar-Poladian Gabriel	Eligibil
143	461	Systems and materials from accelerators base experiments compatible with space environment	RAD-HARD	Institutul de Stiinte Spatiale	Danu Andrea	Eligibil

144	467	Reliable nanostructured thermoelectric materials (TM) for mid-range temperature Radioisotope Thermoelectric Generator (RTG) to space use	THERMOMAT4RTG	Institutul National pentru Fizica Laserilor Plasmei si Radiatiei	Hapenciuc Claudiu	Eligibil
145	471	Reliable FPGA Based Control for Space Robotics	RECONF-ROB	UNIVERSITATEA POLITEHNICA TIMISOARA	Amaricai-Boncalo Alexandru	Eligibil
146	476	Fuel cell stack for electric UAV	FCSforUAV	Universitatea din Bucuresti	Stamatin Ioan	Eligibil
147	478	TiO2 doped polymeric nanofibers with self-cleaning properties for aerospace applications	NANO-SELF-CLEAN	Institutul National de Cercetare-Dezvoltare pentru Fizica Materialelor	Enculescu Maria-Monica	Eligibil
148	485	GaAs Schottky diodes dedicated to space applications	GASDIDESA	Institutul National de Cercetare Dezvoltare pentru Fizica Materialelor	LAZANU Sorina	Eligibil
149	487	THE SIGNIFIANCE AND AUTOMATED DETECTION OF SLEEP SPINDLES AND K-COMPLEX FOR DECLARATIVE MEMORY CONSOLIDATION DURING A LONG DURATION SPACEFLIGHT	LabSSKCAalysis	SC BIOMA DELLY TRADING SRL	Dumitrescu Catalin Marian	Eligibil
150	501	Laser Sintering of Metallic Powders for Space Application Demonstrator	LISSADE	National Institute for Aerospace Research "Elie Carafoli" - INCAS	Dima Ion	Eligibil
151	506	Augmented Reality System for Space Technologies	ARSST	INSTITUTUL DE STIINTE SPATIALE -Filiala INFLPR	Caramete Laurentiu Ioan	Eligibil
152	516	Innovative bioceramic thin layers with antimicrobial properties for space applications	INOVBIOSPACE	Institutul National de Cercetare Dezvoltare pentru Fizica Materialelor	Predoi Daniela	Eligibil
153	517	Smart ultra wideband sensors system for electromagnetic compatibility evaluations	SUWBS	Agentia de Cercetare pentru Tehnica si Tehnologii Militare	STOICA DAN STEFAN	Eligibil
154	525	Cryogenic heat pipes with internal porous structure	CryoHP	Institutul National de Cercetare Dezvoltare pentru Inginerie Electrica ICPE-CA	LUCACI MARIANA	Eligibil
155	526	Optical integrated element based on the new nanocomposite polymers	O-Poly	S.C. OPTOELECTRONICA S.A.	Enuica Alexandra Valentina	Eligibil

156	527	Study of the influence of the radiations on the dye sensitized solar cells performances for space applications	SIRD	Institutul National de Cercetare-Dezvoltare pentru Fizica Laserilor, Plasmei si Radiatiei	Sima Cornelia	Eligibil
157	528	Advanced Ceramic Thermal Protective Systems Developed through Combinatorial EB - PVD Deposition Technology	ANDROTECH	Institutul National de Cercetare-Dezvoltare pentru Metale Neferoase si Rare	Piticescu Radu-Robert	Eligibil
158	532	Reaction Wheel For Spacecraft Attitude Control	RWSAC	Icpe	Modreanu Nicolae Mircea	Eligibil
159	534	Reflective Optical Coatings for Outer Space Applications (CryoSat compatible deliverables)	ROCS	S.C. Pro Optica S.A.	Rizea Adrian	Eligibil
160	539	Heat Exchange and Transport in Ultra-sensitive Nano-detectors	HETUN	Institutul National de Cercetare-Dezvoltare pentru Fizica si Inginerie Nucleara - Horia Hulubei	Anghel Dragos-Victor	Eligibil
161	541	Tuning the properties of diamond like carbon thin films from protective to lubricant coatings in extreme space environments	DLC-COAT	Alexandru ioan Cuza University	Sirghi Lucel	Eligibil
162	543	UHTC composites technology and component's development for aerospace applications	ULTRAHIGHTEMP CER	Institutul National de Cercetare Dezvoltare pentru Fizica Materialelor (NIMP)	Galatanu Andrei	Eligibil
163	546	FUEL TANKS RISK MITIGATION DURING ATMOSPHERIC REENTRY PHASE	TRIMeR	Institutul National de Cercetare-Dezvoltare Aerospatiale "Elie Carafiori" - INCAS	Blideran Radu	Eligibil
164	550	Depth from Defocus for 3D Terrain Mapping in Planetary Exploration using Imaging Systems with Coded Aperture	DIDYMUS	Universitatea Politehnica Bucuresti	COLTUC DANIELA	Eligibil
165	552	Electric insulated soft magnetic nanomaterials for space applications. Upscale-demonstration of technology	nMAT 2	Institutul National de Cercetare-Dezvoltare pentru Inginerie Electrica ICPE-CA Bucuresti	Codescu Mirela Maria	Eligibil
166	554	Concept Development of an Energy Storage Unit Using High Temperature Superconducting Coil for Spacecraft Power Systems	SMESinSpace	Institutul National de Cercetare-Dezvoltare pentru Tehnologii Criogenice si Izotopice ICSI Rm. Valcea	Varlam Mihai	Eligibil
167	556	Superlens using metasurfaces and graphene thin coatings as a photonic component for micro and nanosatellites	SPACEPHOTONICS	Institutul National de Fizica Laserilor, Plasmei si Radiatiilor (INFLPR)	Garoi Petronela	Eligibil

168	558	Technology research and development of carbon materials for aerospace applications	CARBOSPACE	Institutul National de Cercetare Dezvoltare pentru Microtehnologie	Avram Marioara	Eligibil
169	559	PRECISE OPTICAL ALIGNMENT SYSTEMS FOR SPACECRAFT FORMATION FLYING AND ACTIVE DEBRIS REMOVAL	OASYS	Institutul National de Cercetare-Dezvoltare pentru Microtehnologie - IMT Bucuresti	CERNICA Ileana Viorica	Eligibil
170	560	Support technologies for micro-optical arrays dedicated to space applications	MICRO - OPTECH	Institutul National de Cercetare-Dezvoltare pentru Microtehnologie - IMT Bucuresti	MANEA ELENA	Eligibil
171	567	Co-based magnetic nanostructured material with potential space applications	nMAT4SPACE	Institutul National de Cercetare-Dezvoltare pentru Inginerie Electrica ICPE-CA Bucuresti	Codescu Mirela Maria	Eligibil
172	570	Hybrid ablative composites enhanced by advanced nano fillers	HAVEN	Institutul National de Cercetare-Dezvoltare pentru Inginerie Electrica ICPE-CA	Bara Adela	Eligibil
173	575	Nano-Technology EngineeringCosmic Radiation Thermal Shields	NTECRTS	Institutul National pentru Fizica Laserilor, Plasmei si Radiatiei	OANE MIHAI	Eligibil
174	574	Nanostructured High Entropy Alloys for High Temperature Structural Applications with Selfhealing Properties under the Ionizing Radiations Action	STARMAT	Institutul National de Cercetare Dezvoltare pentru Inginerie Electrica ICPE-CA	LUCACI MARIANA	Eligibil
175	583	Stratospheric microsystems platform for aerospace observation, testing and research	STRATOTEST	ELCOS PROIECT SRL	GHITA OCTAVIAN MIHAI	Eligibil
176	587	Flexoelectric effect for Ferroelectric multilevel Memory devices	MLFlexoFe	Institutul National de Cercetare Dezvoltare pentru Fizica Materialelor	Boni Andra-Georgia	Eligibil
177	590	Development of an Electronic Selection Matrix Module for Imaging applications in THz domain	ESMM	Institutul de Stiinte Spatiale	Mogildea Marian	Eligibil
178	593	Metallic Plasma Microwave Thruster for space applications	MPT	Institutul de Stiinte Spatiale	Mogildea Marian	Eligibil
179	594	FLEXIBLE ORGANIC FIELD-EFFECT TRANSISTOR FOR SENSING APPLICATIONS IN SPATIAL RADIATION ENVIRONMENT	RADOFET	Institutul National de Cercetare-Dezvoltare pentru Fizica Materialelor	STANCULESCU Anca	Eligibil

180	601	Near-field Wireless Power Transfer for Networked Space Entities	NEWIPTRANSE	Universitatea Politehnica Bucuresti	ROSU Stefan-George	Eligibil
181	603	Development of a new Instrument for Monitoring of the Astronauts Health	IMAH	Institutul National pentru Fizica Laserilor, Plasmei si Radiatiei	Achim Cristina	Eligibil
182	604	Optimal Space Structures Integrated Development Environment	OSSIDEE	INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE AEROSPATIALA "ELIE CARAFOLI"	Munteanu Camelia	Eligibil
183	605	ADVANCED SOLAR THERMAL PROPULSION SYSTEM FOR INCREASING OF SATELITE OPERATIONAL LIFE	STRAuSS	INSTITUTUL NATIONAL DE CERCETARE DEZVOLTARE TURBOMOTOARE COMOTI	Silvestru Valentin	Eligibil
184	608	Dynamic improvement of the output parameters for irradiated Silicon based TimePix detectors used in space applications	DISiT	Institutul de Stiinte Spatiale	Firu Elena	Eligibil
185	610	Direct coating technology with glass of photovoltaic cells for space applications	DICOTECH	Institutul National de C-D pentru Fizica Materialelor	Galca Aurelian Catalin	Eligibil
186	620	Efficient Piezoelectric Energy Harvesters to Power Supply Inaccessible Sensors Networks and Low Power Devices for Aerospace Applications	PiezoHARV	Institutul National de Cercetare-Dezvoltare pentru Microtehnologie	Moldovan Carmen	Eligibil
187	622	New magnetic heat transport for thermal management in aerospace electronics	PCB-MAG	Institutului National pentru Fizica Laserilor, Plasmei si Radiatiei	Mihailescu Cristian Nicolae	Eligibil
188	626	DEVELOPMENT OF WATER ELECTROLYSIS SYSTEMS WITH APPLICATION FOR SMALL-SCALE SATELLITES	ELySSA	Institutul National de Cercetare Dezvoltare Turbomotoare COMOTI	POPESCU Jeni Alina	Eligibil
189	629	Combinatorial deposition of multicomponent tribo-coating by Gas Cold spray & Atmospheric plasma for aerospace industry	TriboCoat	AEG Progresiv SRL	MATEESCU GHEORGHE	Eligibil
190	638	Improved Technologies for In-Orbit High Geometrical Accuracy and Low Mass Antenna Reflector	ITAR	Institutul National de Cercetare - Dezvoltare Turbomotoare COMOTI	Mihai Dragos	Eligibil
191	639	Multifunctional nanocomposites based on transition metal oxides with aerospace applications	OXITRANS	Institutul National de Cercetare Dezvoltare pentru Microtehnologie	Matei Alina	Eligibil

192	641	Load monitoring of spacecraft structures based on Fiber Optic Sensors	SpaceFIOS	Institutul National de Cercetare-Dezvoltare Aerospatiale "Elie Carafoli" - INCAS Bucuresti	Enciu Daniela	Eligibil
193	660	Infrared detection devices based on silicon nanostructure arrays for space grade applications	NANOIRDESA	Institutul National de Cercetare Dezvoltare pentru Microtehnologie	Plugaru Rodica	Eligibil
194	685	Multiphysics High Performance Computing Environment for Analysis and Optimization of Launcher and Reentry Vehicles	MICENE	INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE AEROSPATIALA "ELIE CARAFOLI"	Niculescu Mihai Leonida	Eligibil
195	688	CARBON DOTS, TRIGGERS FOR ENHANCED CONVERSION EFFICIENCY OF SOLAR CELLS IN SPACE APPLICATIONS	DotSolarCells	Universitatea Tehnica "Gheorghe Asachi" din Iasi	Agop Maricel	Eligibil
196	689	Integrated system for design and analysis of composite structures with space flight applications	ISDASA	INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE AEROSPATIALA "ELIE CARAFOLI"	BISCA Radu Alexandru	Eligibil
197	693	High Performance Materials for the next generation Space Thermoelectric Generators	MatSpaceTEG	Institutul National de Cercetare-Dezvoltare pentru Tehnologii Izotopice si Moleculare (INCDTIM) Cluj-Napoca	Bilc Daniel	Eligibil
198	710	COMOTI reverberation chamber for space applications	COBALT	Romanian Research and Development Institute for Gas Turbines COMOTI	Dragasanu Luminita	Eligibil
199	713	New Technologies for Electrical Power Source of Small Satellites	NTEPS	Universitatea POLITEHNICA Bucuresti	Florescu Adriana	Eligibil
200	465	Near Earth Environment Mobile Observatory	NEEMO	SC WING COMPUTER GROUP SRL	Birlan Mirel Marinela	Eligibil
201	507	CME's forecast from solar filaments' evolution	CMEFORFILE	Institutul Astronomic al Academiei Romane	Dumitrache Cristiana	Eligibil
202	509	Experimental System for Airspace Video Surveillance of Meteoroids	ViSoM	Institutul de Stiinte Spatiale	Dan Selaru	Eligibil
203	521	Debris Deorbiting Laser Thrusters	LaserDebris	Institutul National de Fizica Laserilor Plasmei si Radiatiei	Aurelian Marcu	Eligibil

204	523	Smart system for monitoring combustible gas leak under harsh space conditions	SenSyStar	Institutul National de Cercetare-Dezvoltare pentru Inginerie Electrica ICPE-CA	Neamtu Jenica	Eligibil
205	582	Advanced simulation tool for solar wind entry into the Earth's magnetosphere	STREAM	Institutul de Stiinte Spatiale	Voitcu Gabriel	Eligibil
206	607	Project for Ionospheric Monitoring Service	PRIMS	Institutul de Stiinte Spatiale	Popescu Eugeniu Mihnea	Eligibil
207	616	Space Weather Awareness system by means of Neutron Monitoring	SWAN	Institutul de Stiinte Spatiale - Filiala INFLPR	Potlog Petru-Mihai	Eligibil
208	646	Software Application for Modeling Critical Infrastructure Dependency on Space Systems	CIDSOFT	ROMSPACE	Georgescu Alexandru	Eligibil
209	658	Autonomous self-organizing and self-healing robot swarm	AOHRS	Universitatea Transilvania din Brasov	Moldoveanu Florin Dumitru	Eligibil
210	671	Passive Radio Sensor for Space Related Electronic Support Applications	PARSEC	BITNET Centrul de Cercetari Senzori & Sisteme	Cristea Octavian	Eligibil
211	674	Innovative prototype equipment for investigation of Cosmic ray's influence on AeRospace electronic components	ICAR	Horia Hulubei National Institute of Physics and Nuclear Engineering - IFIN HH	Mitrica Bogdan	Eligibil
212	707	Visual Analysis of Multidimensional Astrophysics Data for Moving Objects Detection	NEARBY	Universitatea Tehnica din Cluj-Napoca	Gorgan Dorian	Eligibil
213	709	Software Application for Gravity wave Analysis using dynasonde data	SAGA	Institutul de Stiinte Spatiale	Catalin Negrea	Eligibil
214	711	DETECTION OF SPACE DEBRIS USING CMOS OPTICAL SENSORS	DSDUCOS	Institutul de Stiinte Spatiale	Popescu Eugeniu Mihnea	Eligibil
215	479	ATTITUDE DYNAMICS AND CONTROL OF A PARTIALLY ACTUATED MICROSATELLITE	ADCoPAMS	Universitatea POLITEHNICA din Bucuresti	STROE Ion	Eligibil

216	503	Satellite hybrid micro-thrusters	SATY	Alexandru Ioan Cuza University of Iasi	Gurlui Silviu	Eligibil
217	571	The physical/mathematical research and development of satellite orbital correction thrusters	RDThrust	INCDT COMOTI	Dragan Valeriu	Eligibil
218	625	Radio Frequency Plasma Sources for nano - satellites thrusters	RF-PLASS-ST	INCD Turbomotoare COMOTI	ANDREESCU ANNA-MARIA THEODORA	Eligibil