

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

PROIECTE CDI

Lista finala a proiectelor eligibile

Nr	ID proiect	Titlu proiect	Institutie coordonatoare	Director proiect	Eligibilitate
1	9	ADVANCED ELECTROMAGNETIC EMISSIONS SECURITY SYSTEM FOR EARTH SATELLITE STATION NETWORKS DATA PROTECTION	MILITARY EQUIPMENT AND TECHNOLOGIES RESEARCH AGENCY	BOTEANU ADINA OTILIA	Eligibil
2	13	High resolution geoid modeling by astro-geodetic and satellite methods	Universitatea Tehnica de Constructii Bucuresti	Badescu Octavian Mihai	Eligibil
3	14	Auroral Electrodynamics with Swarm	INFLPR - Institutul de Stiinte Spatiale	Marghitu Octav	Eligibil
4	15	Romanian Optical Ground Station involved in Space Activities	Institutul Astronomic al Academiei Romane	Suran Marian Doru	Eligibil
5	17	RESISTANCE OF MICROBIAL SPORES TO SIMULATED SPACE CONDITIONS	INSTITUTUL DE BIOLOGIE BUCURESTI AL ACADEMIEI ROMANE	GOMOIU IOANA	Eligibil
6	32	Thin film photodetectors - new concepts and studies for aerospace applications	Institutul National De Cercetare-Dezvoltare pentru Microtehnologie - IMT Bucuresti	Cristea Dana	Eligibil
7	33	Cross monitoring of ionospheric perturbations, detected as propagation anomalies of radio waves and correlated with seismic activity and space weather	INSTITUTUL NATIONAL DE CERCETARE DEZVOLTARE PENTRU FIZICA PAMANTULUI	MOLDOVAN IREN-ADELINA	Eligibil
8	34	Aircraft and industrial toxic trace compounds dispersion. Real time monitoring and advanced research in astrophysics and astrobiology	Universitatea Alexandru Ioan Cuza din Iasi	Gurlui Silviu	Eligibil
9	35	Suborbital Launcher for Testing, Unconventional Subsystems Development	Universitatea POLITEHNICA din Bucuresti - Centrul de Cercetari pentru Aeronautica si Spatiu	Chelaru Teodor-Viorel	Eligibil

10	39	INTEGRATED PLATFORM FOR THE ANALYSIS, TESTING AND LIFE SPAN ASSESSMENT OF AEROSPACE STRUCTURES	S.C. STRAERO SA	OPRISAN Sorin	Eligibil
11	43	Development of complex identification and security check system, integrating multiple biometric identification techniques	SC OPTOELECTRONICA-2001 SA	Dobrescu Gabriel	Eligibil
12	44	Earth directed near-real time CME-ICME on-line catalogue using multi-spacecraft data	Institutul Astronomic al Academiei Romane	Dumitrache Cristiana	Eligibil
13	45	The effect of structure, surface texture and chemical composition on the emissivity of coatings used for outer space radiator applications	Institutul National pentru Fizica Laserilor, Plasmei si Radiatiei	Craciun Valentin	Eligibil
14	46	FABRICATION AND TESTING IN HIGH IONIZING RADIATION FIELDS OF AIBVI THIN FILMS USED IN PHOTOVOLTAIC STRUCTURES FOR SPACE APPLICATIONS	Universitatea din Bucuresti	ANTOHE Stefan	Eligibil
15	49	Research on the aerodynamics of non-planar configurations with Lateral JETs for a Space-Shuttle allowing the improvement of landing characteristics on earth.	INCAS-INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE AEROSPATIALA "ELIE CARAFOLI"	Neamtu Stefan Mihai	Eligibil
16	51	APPLICATION OF SOME SPATIAL TECHNOLOGIES IN EPIDEMIOLOGY OF VECTOR-BORNE DISEASES IN ROMANIA	Institutului National de Cercetare-Dezvoltare pentru Microbiologie si Imunologie "Cantacuzino"	NICOLESCU GABRIELA	Eligibil
17	54	Low Energy Out of Autoclave Technology for Aircraft Structures	SC STRAERO SA	FUIOREA Ion	Eligibil
18	55	Basic Strategy for a S-class new ESA space mission	Institutul Astronomic al Academiei Romane	Suran Marian Doru	Eligibil
19	59	Satellite Images Analysis for Fire Monitoring	Intergraph Computer Services	Visan Maria	Eligibil
20	61	Development of new antibacterial bioceramic nanocomposites suitable for space applications	Institutul National de Cercetare-Dezvoltare pentru Fizica Materialelor	Ciobanu Carmen Steluta	Eligibil

21	62	Spacecraft Attitude Control	INCAS	Sperlea Florentin	Eligibil
22	63	Advanced communications solutions for the next generation mobile satellite systems	Academia Tehnica Militara	NICOLAESCU IOAN	Eligibil
23	64	Atmospheric ionization and solar radiation monitoring in correlation with global and local environmental factors	INSTITUTUL NATIONAL DE CERCETARE DEZVOLTARE PENTRU FIZICA PAMANTULUI	TOADER Victorin	Eligibil
24	65	Plasmas in Astrophysics and Nuclear Physics. Experimental evidences and connections	Universitatea din Bucuresti, Facultatea de Fizica	JIPA Alexandru	Eligibil
25	67	Compositional and dynamical modeling of near-Earth asteroids	Institutul Astronomic al Academiei Romane	Nedelcu Dan Alin	Eligibil
26	68	Cryogenic heat pipe for space applications	Institutul National de Cercetare-Dezvoltare pentru Inginerie Electrica	Dobrin Ion	Eligibil
27	69	Testing Fundamental Physics with the Planck Satellite	Institutul de Stiinte Spatiale	Popa Lucia Aurelia	Eligibil
28	70	Contributions to the Euclid Mission	Institutul de Stiinte Spatiale	Popa Lucia Aurelia	Eligibil
29	71	STABILIZED AUTO-TRACKING COMMUNICATION ANTENNA FOR SPACE ROBOTS	Universitatea Politehnica Bucuresti	Stanescu Aurelian-Mihai	Eligibil
30	72	Satellite and in-situ environmental monitoring for advanced researches on cosmic rays impact on space weather and climate changes	Institutul de Stiinte Spatiale	Isar Gina	Eligibil
31	73	Software development and integration for access to large-scale atomic databases and analysis applications	Institutul National de CD pentru Fizica Laserilor, Plasmei si Radiatiei	Stancalie Viorica	Eligibil
32	74	EMC ADVANCED ANALYSIS PLATFORM FOR LARGE IT AND COMMUNICATIONS SYSTEM MEASUREMENT AND EVALUATION	Military Equipment Technologies Research Agency	STOICA STEFAN DAN	Eligibil
33	76	Technical feasibility study concerning the achievement of a guided suborbital launcher for testing	SC UTI Systems SA	Giurgea Octavian	Eligibil

34	77	Drought monitoring based on space and in-situ data	Advanced Studies and Research Center SRL	Florin Serban	Eligibil
35	78	Ultralight Stratospheric Pseudo-Satellite Platform	INCD Textile Pielarie	Adrian Salistean	Eligibil
36	80	TiAl based composite materials made by unconventional techniques	Institutul National de Cercetare Dezvoltare pentru Inginerie Electrica ICPE-CA	LUCACI MARIANA	Eligibil
37	81	Clouds and Cloud Shadows Extraction Plug-In	Advanced Studies and Research Center SRL	Florin Serban	Eligibil
38	82	Validation of Swarm L-1b data using multi-point gradient estimation techniques	INFLPR - Institutul de Stiinte Spatiale	Blagau Adrian	Eligibil
39	83	In-flight calibration and data quality improvement of Hot Ion Analyzer onboard Cluster	INFLPR - Institutul de Stiinte Spatiale	Blagau Adrian	Eligibil
40	84	SEISMIC HAZARD ASSESSMENT AND SURVEILLANCE OF TECTONIC ACTIVE VRANCEA REGION THROUGH INTEGRATED MONITORING OF EARTHQUAKE PRECURSORS BY GEOSPATIAL AND IN-SITU GEOPHYSICAL DATA	Institutul National de Cercetare Dezvoltare pentru Optoelectronica INOE 2000	ZORAN MARIA	Eligibil
41	85	ADVANCED MONITORING SYSTEM OF URBAN VEGETATION DYNAMICS AND PREDICTIVE ASSESSMENT OF CLIMATIC AND ANTHROPOGENIC STRESSORS IMPACTS ON BUCHAREST METROPOLITAN AREA FROM SATELLITE AND IN-SITU BIOGEOPHYSICAL DATA	Institutul National de Cercetare Dezvoltare pentru Optoelectronica INOE 2000	ZORAN MARIA	Eligibil
42	86	LASER MACHINING TECHNOLOGIES FOR ADVANCED POLYMER COMPOSITES	OPTOELECTRONICA 2001 S.A.	Comanescu Brindus	Eligibil
43	91	Advanced X-Ray Imaging System for AeroSpace Components Structural Integrity Investigation	ACCENT PRO 2000 S.R.L.	IOVEA Mihai	Eligibil
44	97	Fabrication and testing of a film-cooled ablative nozzle for 20 tons of thrust liquid fuel rocket engine	ARCA - Asociatia Romana pentru Cosmonautica si Aeronautica	Diaconu Teodor	Eligibil

45	101	Correlational Study of Space Missions Related to Fundamental Physics. Opportunities for Romanian Space Projects	Institute of Space Science	Tintareanu Ovidiu	Eligibil
46	104	Composite materials integration in 20 tons of thrust, rocket engine turbopump and gas-generator	ARCA - Asociatia Romana pentru Cosmonautica si Aeronautica	Diaconu Teodor	Eligibil
47	105	Integrated technological system risk and hazard monitoring ecological and natural disasters.DATA FUSION	Institutul National de Cercetare Dezvoltare pentru Fizica Pamantului	MUNTEANU LAURENTIU	Eligibil
48	106	Kerosene composite tank, fabrication and testing	ARCA - Asociatia Romana pentru Cosmonautica si Aeronautica	Diaconu Teodor	Eligibil
49	107	MODERN ARCHITECTURES OF ADAPTIVE AND OPTIMAL CONTROL FOR SPACECRAFT IN ATMOSPHERIC FLIGHT PHASE	Universitatea din Craiova	Lungu Romulus	Eligibil
50	108	Kinematic landslide monitoring using spatial technologies.Warning alert system.DATA FUSION	Institutul National de Cercetare-Dezvoltare Aerospatala "Elie Carafoli"-I.N.C.A.S. Bucuresti	Ursu Ioan	Eligibil
51	109	Integrated Evaluation System for Advanced Multilayered Materials in Aerospace and Related Fields	Institutul National de Cercetare Dezvoltare pentru Fizica Materialelor	Ghica Corneliu	Eligibil
52	110	Advanced strategic planning to develop a turbopump system for a liquid propellant rocket engine	INSTITUTUL NATIONAL DE CERCETARE DEZVOLTARE TURBOMOTOARE COMOTI	Silvestru Valentin	Eligibil
53	111	Artificial Gravity Spacecraft for Deep-Space Manned Missions	Institutul National de Cercetare-Dezvoltare Aerospatala "Elie Carafoli"-I.N.C.A.S. Bucuresti	BUTOESCU Valentin	Eligibil
54	112	TOOLS FOR FLUID STRUCTURE INTERACTION ANALYSIS IN RAREFIED ENVIRONMENT AT LOW TEMPERATURES	Institutul National de Cercetare Dezvoltare Aerospatala "Elie Carafoli"-INCAS	BARAN Daniela	Eligibil
55	113	New Haptic Arm Exoskeletons for Robotics and Automation in Space	Universitatea Tehnica din Cluj-Napoca	Stan Sergiu-Dan	Eligibil
56	116	High efficiency thermoelectrlc generator with non-steady state operation	ICPE SA	STANCIU Viorel Serban	Eligibil
57	117	Modeling, development and testing of protective elements used at spatial structures with high risk of impact with hypervelocity micro-meteorites	SC UPS PILOT ARM SRL	Chereches Tudor	Eligibil

58	120	Demonstrator system for assessing the risk of decompression illness by computer analysis of two-dimensional ultrasound images and development of technologies to optimize denitrogenation time in simulated environment	IAROM SA	BIVOLAN DOREL	Eligibil
59	121	Measurements of atmospheric muons in shallow waters	Horia Hulubei National Institute of Physics and Nuclear Engineering - IFIN HH	Mitrica Bogdan	Eligibil
60	122	Technologies and equipments for testing spatial structures impacted by accelerated masses at hypersonic speeds	SC UPS PILOT ARM SRL	GHEORGHIAN SORIN	Eligibil
61	123	Research Project on the Development of an Original Fuel Cell Technology Dedicated to Long-Distance Outer Space Manned Missions	S.C. ET Innovative Solutions S.R.L.	Mamut Eden	Eligibil
62	124	MISSIONS OF OPTIMAL ENTRY INTO ATMOSPHERE	Institutul National de Cercetare-Dezvoltare Aerospatiale "Elie Carafoli"-I.N.C.A.S. Bucuresti	Oprisiu Cornel Serban	Eligibil
63	125	New strategies of intercept on orbits	Institutul National de Cercetare-Dezvoltare Aerospatiale "Elie Carafoli"-I.N.C.A.S. Bucuresti	Dumitrache Mircea	Eligibil
64	127	Bolometers for space applications in middle and long infrared	Institutul National de Cercetare-Dezvoltare pentru Microtehnologie	Kusko Mihai	Eligibil
65	128	Technologies for Testing and Validation of the Structure, and Modified Hybrid Rocket Motor for Suborbital Launcher - STRAC	University POLITEHNICA of Bucharest, Research Center for Aeronautics and Space	Frunzulica Florin	Eligibil
66	129	MINIATURIZED FUEL CELL BASED POWER SOURCE FOR SPACE SYSTEMS	Universitatea din Craiova	Corcau Jenica Ileana	Eligibil
67	130	Development and validation of PSInSAR processing chain for certification as Operational Service Provider	SC Advanced Studies and Research Center SRL	Valentin Poncos	Eligibil

68	131	RESEARCH FOR DEVELOPMENT A TELEMEDICINE EXPERT SYSTEM FOR PROVIDING OPTIMAL MEDICAL ON SITE RESPONSE IN DISASTERS AND EMERGENCY SITUATIONS MANAGEMENT (using the latest technology in biosensors, satellite communications, satellite navigations, IT etc.	IAROM SA	BIVOLAN DOREL	Eligibil
69	132	Experimental Weak Radio Signals Monitor for Ionospheric Disturbances Analysis	BITNET Centrul de Cercetari Senzori & Sisteme	Cristea Octavian	Eligibil
70	134	Experimental model for landslides-triggered rainfall thresholds estimation based on satellite radar monitoring	Universitatea din Bucuresti, Facultatea de Geografie	Sandric Ionut	Eligibil
71	136	New Materials and New Deposition Technologies for Achievement of the Tribological Coatings with Applications in the Aerospace Industry	Institutul National de Cercetare-Dezvoltare pentru Fizica si Inginerie Nucleara "Horia Hulubei"	Mateescu Gheorghe	Eligibil
72	137	Innovative concepts concerning the achievement of ablative and thermal protection advanced materials with applications in atmospheric re-entry systems and hypersonic transportation	Institutul National de Cercetare-Dezvoltare Aerospatala "Elie Carafoli"-I.N.C.A.S. Bucuresti	Stefan Adriana	Eligibil
73	140	HYPERSPECTRAL IMAGE FEATURE EXTRACTION TOOLS	Institutul National de Cercetare-Dezvoltare Aerospatala "Elie Carafoli"-I.N.C.A.S. Bucuresti	BARAN Daniela	Eligibil
74	141	SYSTEMS OF THERMAL IMAGES ANALYSIS (THERMAL MARK) USED FOR NONINVASIVE DETECTION FOR AEROSPACE EQUIPMENT	S.C. OPTOELECTRONICA - 2001 S.A.	Trupina Mirela-Ileana	Eligibil
75	142	High speed plasma actuators for active flow control	Institutul National de Cercetare-Dezvoltare Aerospatala "Elie Carafoli"-I.N.C.A.S. Bucuresti	Stoica Corneliu Ioan	Eligibil
76	144	Photonic Crystals with/and Metamaterials Experimented for Space Applications	Institutul National de Cercetare Dezvoltare pentru Fizica Laserilor, Plasmei si Radiatiei	Medianu Rares Victor	Eligibil
77	145	Study for the Implementation of Space Situational Awareness (SSA) Services in Romania	Institutul de Stiinte Spatiale	Popescu Eugeniu Mihnea	Eligibil

78	146	High stiffness ZrB2 in-situ reinforced aluminium MMC for thermal management applications	INCD Turbomotoare COMOTI	Matache Gheorghe	Eligibil
79	147	SHAPE MEMORY MATERIALS OBTAINED BY MODERN TECHNOLOGIES FOR THE DEVELOPMENT OF THE ACTUATORS FOR EXPLORATION ROBOTICS	Institutul National de Cercetare Dezvoltare pentru Inginerie Electrica ICPE-CA	Cirstea Cristina-Diana	Eligibil
80	148	Explosives Awareness and Localization Equipment for Remote Threat Sensing	OPTOELECTRONICA 2001 S.A.	Popescu Florin-Adrian	Eligibil
81	149	Romanian Dual CubeSat Mission. Development of the RoBiSat-1 spacecraft	Institutul De Stiinte Spatiale INFLPR-ISS	BALAN Mugurel	Eligibil
82	151	Reliability design of RF-MEMS switches for space applications	Universitatea Tehnica din Cluj-Napoca	Pustan Marius	Eligibil
83	152	Cluster Flux Gate Magnetometer Daily Calibration and Scientific Data Exploitation	INFLPR - Institutul de Stiinte Spatiale	Constantinescu Ovidiu Dragos	Eligibil
84	153	Compressive THz Imaging and Hadamard Spectroscopy for Space Applications	National Institute for Laser, Plasma and Radiation Physics (INFLPR)	Garoi Florin	Eligibil
85	155	Metallic Plasma Microwave Thruster	Institutul de Stiinte Spatiale	Mogildea Marian	Eligibil
86	156	Bistatic SAR Demonstrator for PS Interferometry using a Fixed-Receiver Configuration	Universitatea Politehnica Bucuresti - Centrul de Cercetare pentru informatie Spatiale	Popescu Anca-Andreea	Eligibil
87	159	Infrared Scanning and Analysing of Human Capillary Veins	Institutul de Stiinte Spatiale - INFLPR	Firu Elena	Eligibil
88	160	Liquid oxygen composite tank, fabrication and testing	ARCA - Asociatia Romana pentru Cosmonautica si Aeronautica	Diaconu Teodor	Eligibil
89	164	A Space Situational Awareness Observatory in Romania	INSTITUTUL DE STIIINTE SPATIALE-INCDFLPR	RADU Aurelian-Andrei	Eligibil
90	165	ADvanced COmposite Structure for SPacecraft Applications	INCDT COMOTI	Voicu Raluca	Eligibil

91	166	Analytical and numerical models for the analysis of control motion in aerospace fluids with microjets	Institutul National de Cercetare-Dezvoltare Aerospatiale "Elie Carafoli"-I.N.C.A.S. Bucuresti	Alexandrescu Maria	Eligibil
92	167	Dynamic Launching and Recovery Procedures from High Altitudes	Institutul National de Cercetare-Dezvoltare Aerospatiale "Elie Carafoli"-I.N.C.A.S. Bucuresti	RADNEF SORIN	Eligibil
93	168	High-precision micro and nano smart sensors for space inertial navigation applications	Universitatea din Craiova	Grigorie Teodor Lucian	Eligibil
94	169	GPU in GRID for space science and technology	Institutul de Stiinte Spatiale	ZGURA Ion-Sorin	Eligibil
95	170	Distributed Coding Algorithms for Energy Saving in Wireless Sensor Networks Applications	Universitatea POLITEHNICA Bucuresti	LAZARESCU VASILE	Eligibil
96	171	ACTIVE MICRO-SHIELDS SYSTEMS FOR PROTECTION OF SPACE INFRASTRUCTURES	European Business Innovation & Research Center S.A.	DASCALU SIMION	Eligibil
97	172	Subsystems for Nanosatellites - SuNs	Institutul de Stiinte Spatiale ISS-INFLPR	TRUSCULESCU Marius	Eligibil
98	175	Net Debris Removal System	S.C. GMV INNOVATING SOLUTIONS S.R.L.	Chitu Cristian Corneliu	Eligibil
99	178	Micro-Black Hole and Neutrino Signatures with Space Observatories	Institutul de Stiinte Spatiale	Micu Octavian	Eligibil
100	179	Spacecraft tracking using radio very long baseline interferometry: towards a new research direction	INSTITUTUL DE STIINTE SPATIALE - INCDFLPR	Tudose Valeriu	Eligibil
101	181	CubeSat based FF Mission for SSA/Clean Space Demo	S.C. GMV INNOVATING SOLUTIONS S.R.L.	Stanciu-Manolescu Marius	Eligibil
102	182	Vision system controlled by operator head position tracking for using on unmanned aerial vehicles and remote controlled robots	SC PRO OPTICA SA	Buga Mariana	Eligibil

103	184	Inverse aero-thermodynamic analysis for supersonic/hypersonic flows	University POLITEHNICA of Bucharest -CCAS	Danaila Sterian	Eligibil
104	185	Technological support for ESA space missions, synergy between ground and space observations	INSTITUTUL DE STIINTE SPATIALE - INCDFLPR	Caramete Laurentiu Ioan	Eligibil
105	186	Visual Based On-board Absolute Navigation Experiment	S.C. GMV INNOVATING SOLUTIONS S.R.L.	Chitu Cristian Corneliu	Eligibil
106	187	Long term data exploitation for Satellite Image Time Series - Extraction of Classes for Scene Dynamics	Universitatea Politehnica din Bucuresti	FAUR Daniela	Eligibil
107	188	Structural health monitoring in spacecraft structures using piezoelectric wafer active sensors and multimodal guided waves	Institutul National de Cercetare-Dezvoltare Aerospaciala "Elie Carafoli"-I.N.C.A.S. Bucuresti	Giurgiutiu Victor	Eligibil
108	189	Issues and Methods Involved in Preventing an Astronomical Object Impacting the Earth	Institutul National de Cercetare-Dezvoltare Aerospaciala "Elie Carafoli"-I.N.C.A.S. Bucuresti	Neamtu Andrei-Sorin	Eligibil
109	191	Clouds and Aerosols Profiling in support of ESA's Sentinel 4 and 5 missions	Institutul National De Cercetare Dezvoltare de Optoelectronica	Nicolae Doina	Eligibil
110	193	Integrated landslide detection system using ground and space-borne monitoring techniques in Romania	Universitatea Tehnica de Constructii Bucuresti	Serbulea Manole Stelian	Eligibil
111	194	Two Stage To Orbit Winged Rocket Launcher for Small Satellites and High Altitude Research and Instrumentation Platform	Institutul National de Cercetare-Dezvoltare Aerospaciala "Elie Carafoli"-I.N.C.A.S. Bucuresti	Panait Alexandru-marius	Eligibil
112	197	Radio Dichotomy in Active Galactic Nuclei and Black Hole X-ray Binaries	Institutul de Stiinte Spatiale (INFLPR - ISS)	Dutan Ioana	Eligibil
113	199	Satellite detection of faint fluorescence phenomena	Institutul de Stiinte Spatiale - INFLPR	Haiduc Maria	Eligibil
114	200	Content Based Query Concept for Exploration and Discovery of Information in Earth Observation and Medical Libraries	Universitatea Politehnica Bucuresti-Centrul de Cercetare pentru Informatie Spatiale	Vaduva Corina	Eligibil

115	201	INNOVATIVE SPACECRAFT PROPULSION CONCEPT	Institutul National de Cercetare-Dezvoltare Aerospatala "Elie Carafoli"-I.N.C.A.S. Bucuresti	BOGATEANU Radu	Eligibil
116	203	Low Altitude Launching Systems: Analysis and Tests of Atmospheric Flight Phases	Institutul National de Cercetare-Dezvoltare Aerospatala "Elie Carafoli"-I.N.C.A.S. Bucuresti	Andreev Alexandru	Eligibil
117	204	Software Environment dedicated to Error Correcting Codes for Space Applications	Universitatea POLITEHNICA din Bucuresti	STANDESCU STEFAN	Eligibil