

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

**Competitia pentru proiecte C3 - 2016**

**Proiecte tip "CDI"**

**Lista proiecte rezerva**

Nr. crt.	ID	Domeniu expertiza	Titlu proiect	Acronim	Institutie coordonatoare	Director proiect	Punctaj
1	644	1. Scientific Programme	Onboard nonlinear Analysis of data: a New technology based on field programmable gate Arrays (OANA)	OANA	Institutul de Stiinte Spatiale (ISS)	Echim Marius	87
2	666	3. Earth Observation	Intelligent Software for Aerosol typing Based on Earth observation products, remote sensing measurements and transport modelLing	ISABEL	Universitatea Babes Bolyai	Ajtai Nicolae	87
3	699	3. Earth Observation	HORUS - Software Toolbox for Pedological Monitoring of Transylvanian Area based on Sentinel-2 Data	HORUS	Universitatea Tehnica din Cluj-Napoca	Gorgan Dorian	87
4	459	6. Robotic exploration	Integrated Multi-Agent Aerial Robotic System for Exploring Terrestrial Regions of Interest	MAARS	Universitatea POLITEHNICA din Bucuresti	Popescu Dan	87
5	514	8. Launchers	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	87
6	449	9. Technology & Science Support	Development of Self-Healing Advanced Composite Materials for Space Debris impact events	SHACMAT	Institutul National de Cercetare - Dezvoltare Turbomotoare COMOTI	Voicu Raluca	87
7	532	9. Technology & Science Support	Reaction Wheel For Spacecraft Attitude Control	RWSAC	ICPE	Modreanu Nicolae Mircea	87
8	693	9. Technology & Science Support	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	87
9	521	10. Security - SSA	Debris Deorbiting Laser Thrusters	LaserDebris	Institutul National pentru Fizica Laserilor, Plasmei si Radiatiei (INFLPR)	Aurelian Marcu	87
10	523	10. Security - SSA	Smart system for monitoring combustible gas leak under harsh space conditions	SenSyStar	Institutul National de Cercetare Dezvoltare pentru Inginerie Electrica INCDIE ICPE-CA	Neamtu Jenica	87
11	646	10. Security - SSA	Software Application for Modeling Critical Infrastructure Dependency on Space Systems	CIDSOFT	Asociatia Romana pentru Tehnologie si Industrie Spatiale ROMSPACE	Georgescu Alexandru	87

12	707	10. Security - SSA	Visual Analysis of Multidimensional Astrophysics Data for Moving Objects Detection	NEARBY	Universitatea Tehnica din Cluj-Napoca	Gorgan Dorian	87
13	655	1. Scientific Programme	Radial evolution of solar wind plasma turbulence: model and prediction	REWIND	Institutul de Stiinte Spatiale (ISS)	Comisel Horia	86
14	512	3. Earth Observation	Multiple Input Multiple Output Synthetic Aperture Radar Demonstrator	MIMO-SAR	Universitatea POLITEHNICA din Bucuresti	Anghel Andrei	86
15	456	9. Technology & Science Support	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 - IMT Bucuresti	Moagar-Poladian Gabriel	86
16	507	10. Security - SSA	CMEs' forecast from solar filaments' evolution	CMEFORFILE	Institutul Astronomic al Academiei Romane	Dumitrache Cristiana	86
17	568	1. Scientific Programme	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 (ISS)	Isar Paula Gina	85
18	547	3. Earth Observation	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	85
19	588	3. Earth Observation	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	Cojocaru Draguleanu Astrid Mihaela	85
20	596	3. Earth Observation	GIS Platform with Integrated Data Mining Tools	GIS-DM	Universitatea POLITEHNICA din Bucuresti-Centrul de Cercetare pentru Informatie Spatiale	Popescu Anca-Andreea	85
21	598	3. Earth Observation	GOCE global geoid model evaluation in Romania	GEOEVAL	Universitatea Tehnica de Constructii Bucuresti	Dumitru Paul Daniel	85
22	613	3. Earth Observation	ELECTRIC MOTORS PARTICULARITIES FOR EARTH OBSERVATION MISSIONS	SPACE-EMOT	ICPE	Varaticeanu Bogdan Dumitru	85
23	672	3. Earth Observation	Big data Analytics platform for the Black Sea Region	AMBER	TERRASIGNA SRL	Craciunescu Vasile	85
24	515	4. Telecommunications & Integrated Applications	Foldable Wing High Altitude Pseudo Satellite	FHAPS	Institutul National de Cercetare Dezvoltare pentru Textile si Pielarie (INCDTP)	Salistean Adrian	85
25	478	9. Technology & Science Support	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	85

26	616	10. Security - SSA	Space Weather Awareness system by means of Neutron Monitoring	SWAN	Institutul de Stiinte Spatiale (ISS)	Potlog Petru-Mihai	85
27	628	2. International Space Station (ISS) Exploitation Programme	Ammonia detector for leakages inside the International Space Station	AMLESS	Institutul National de Cercetare Dezvoltare pentru Fizica Materialelor	Simion Cristian Eugen	84
28	536	3. Earth Observation	Integrated Satellite and Land Observation System for Illegal logging Prevention	SYLVANUS	Universitatea POLITEHNICA din Bucuresti	Stefan Gheorghe	84
29	516	9. Technology & Science Support	Innovative bioceramic thin layers with antimicrobial properties for space applications	INOVBIOSPACE	Institutul National de Cercetare Dezvoltare pentru Fizica Materialelor	Predoi Daniela	84
30	541	9. Technology & Science Support	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	84
31	641	9. Technology & Science Support	Load monitoring of spacecraft structures based on Fiber Optic Sensors	SpaceFIOS	Institutul National de Cercetare Dezvoltare Aerospatiale "Elie Carafoli" - INCAS	Enciu Daniela	84
32	530	3. Earth Observation	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	83
33	687	3. Earth Observation	Electric and magnetic coupling between Litosphere Ionosphere and Atmosphere from SWARM observations	ELIAS	Institutul de Stiinte Spatiale (ISS)	Echim Marius	83
34	705	6. Robotic exploration	Telerobotic system for safe handling of Mars samples	XPLORE	Universitatea Tehnica din Cluj-Napoca	Gherman Bogdan-George	83
35	498	7. Human Spaceflight & Microgravity	AUTOMATIC SPEECH AND LANGUAGE DISORDER IDENTIFICATION PROOF-OF-CONCEPT FOR ASTRONAUTS' PSYCHOLOGICAL STRESS APPLICATION	ASPES	Institutul de Stiinte Spatiale (ISS)	Vizitiu Cristian	83
36	487	9. Technology & Science Support	THE SIGNIFIANCE AND AUTOMATED DETECTION OF SLEEP SPINDLES AND K-COMPLEX FOR DECLARATIVE MEMORY CONSOLIDATION DURING A LONG DURATION SPACEFLIGHT	LabSSKCAAnalysis	SC BIOMA DELLY TRADING SRL	Dumitrescu Catalin Marian	83
37	570	9. Technology & Science Support	Hybrid ablative composites enhanced by advanced nano fillers	HAVEN	Institutul National de Cercetare Dezvoltare pentru Inginerie Electrica INC DIE ICPE-CA	Bara Adela	83
38	483	3. Earth Observation	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	82
39	495	3. Earth Observation	Computational Intelligence-Based Techniques for Earth Observation Image Mining	CI2Mining	Universitatea POLITEHNICA din Bucuresti	Neagoie Victor-Emil	82

40	664	3. Earth Observation	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	82
41	675	8. Launchers	Liquid Propellant Control System for Launcher Injector Assemblies	CONSYST	Institutul National de Cercetare Dezvoltare pentru Inginerie Electrica INCDIE ICPE-CA	Pislaru-Danescu Lucian	82
42	543	9. Technology & Science Support	UHTC composites technology and component's development for aerospace applications	ULTRAHIGHTEMP CER	Institutul National de Cercetare Dezvoltare pentru Fizica Materialelor	Galatanu Andrei	82
43	594	9. Technology & Science Support	FLEXIBLE ORGANIC FIELD-EFFECT TRANSISTOR FOR SENSING APPLICATIONS IN SPATIAL RADIATION ENVIRONMENT	RADOFET	Institutul National de Cercetare-Dezvoltare pentru Fizica Materialelor	Stanculescu Anca	82
44	617	1. Scientific Programme	Experimental Models for Lunar Dust Levitation in low density plasma conditions	ExpM-LunarDust	Institutul National pentru Fizica Laserilor, Plasmei si Radiatiei (INFLPR)	Banu Nicoleta	81
45	551	3. Earth Observation	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	81
46	573	3. Earth Observation	Pattern Recognition on Temporal Series	PARETO	Institutul de Stiinte Spatiale (ISS)	Constantinescu Vlad	81
47	702	3. Earth Observation	Ground based polarimetric P-Band MIMO imaging radar for biomass mapping	BIOSAR 2	TERRASIGNA SRL	Toma Stefan Adrian	81
48	703	3. Earth Observation	H.A.R.P. - L.W.A. AUGMENTOR	REZONANT EXPLORER	AEROCNTRON SRL	Pogan Tamiris	81
49	558	9. Technology & Science Support	Technology research and development of carbon materials for aerospace applications	CARBOSPACE	Institutul National de Cercetare-Dezvoltare pentru Microtehnologie - IMT Bucuresti	Avram Marioara	81
50	660	9. Technology & Science Support	Infrared detection devices based on silicon nanostructure arrays for space grade applications	NANOIRDESA	Institutul National de Cercetare-Dezvoltare pentru Microtehnologie - IMT Bucuresti	Plugaru Rodica	81
51	686	3. Earth Observation	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	80
52	661	8. Launchers	Test bench for upper stage attitude control laws validation	CLUST	Institutul National de Cercetare Dezvoltare Aerospatiale "Elie Carafoli" - INCAS	Toader Adrian	80
53	467	9. Technology & Science Support	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 (INFLPR)	Hapenciuc Claudiu	80

54	471	9. Technology & Science Support	Reliable FPGA Based Control for Space Robotics	RECONF-ROB	UNIVERSITATEA POLITEHNICA TIMISOARA	Amaricai-Boncalo Alexandru	80
55	534	9. Technology & Science Support	Reflective Optical Coatings for Outer Space Applications (CryoSat compatible deliverables)	ROCS	S.C. Pro Optica S.A.	Rizea Adrian	80
56	572	1. Scientific Programme	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	79
57	602	4. Telecommunications & Integrated Applications	Compact antennas based on advanced dielectric materials for harsh environment communications	COMAND	Institutul National de Cercetare-Dezvoltare pentru Fizica Materialelor	Nedelcu Liviu	79
58	460	6. Robotic exploration	New COMposite structural design and technological Solutions for MArS Sample return capsule	COSMAS	Institutul National de Cercetare - Dezvoltare Turbomotoare COMOTI	Voicu Raluca	79
59	586	7. Human Spaceflight & Microgravity	Microgravity Enabled Training Device with Synthetic Opposable Force	MICROTRAD	Institutul de Stiinte Spatiale (ISS)	Valeanu Vlad	79
60	676	7. Human Spaceflight & Microgravity	Study on human transport systems to Mars using ion propulsion	SMART-prop	Universitatea POLITEHNICA din Bucuresti- Centrul de cercetari pentru Aeronautica si Spatiu	Cican Grigore	79
61	476	9. Technology & Science Support	Fuel cell stack for electric UAV	FCSforUAV	Universitatea din Bucuresti	Stamatin Ioan	79
62	506	9. Technology & Science Support	Augmented Reality System for Space Technologies	ARSST	Institutul de Stiinte Spatiale (ISS)	Caramete Laurentiu Ioan	79
63	582	10. Security - SSA	Advanced simulation tool for solar wind entry into the Earth's magnetosphere	STREAM	Institutul de Stiinte Spatiale (ISS)	Voitcu Gabriel	79
64	475	7. Human Spaceflight & Microgravity	Compact sources of laser ion acceleration - powerful instruments for space radiation studies	COSMOS	Institutul National pentru Fizica Laserilor, Plasmei si Radiatiei (INFLPR)	Budriga Olimpia	78
65	550	9. Technology & Science Support	Depth from Defocus for 3D Terrain Mapping in Planetary Exploration using Imaging Systems with Coded Aperture	DIDYMUS	Universitatea POLITEHNICA din Bucuresti	Coltuc Daniela	78
66	509	10. Security - SSA	Experimental System for Airspace Video Surveillance of Meteoroids	ViSoM	Institutul de Stiinte Spatiale (ISS)	Dan Selaru	78
67	607	10. Security - SSA	Project for Ionospheric Monitoring Service	PRIMS	Institutul de Stiinte Spatiale (ISS)	Popescu Eugeniu Mihnea	78

68	671	10. Security - SSA	Passive Radio Sensor for Space Related Electronic Support Applications	PARSEC	BITNET Centrul de Cercetari Senzori & Sisteme	Cristea Octavian	78
69	674	10. Security - SSA	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	78
70	711	10. Security - SSA	DETECTION OF SPACE DEBRIS USING CMOS OPTICAL SENSORS	DSDUCOS	Institutul de Stiinte Spatiale (ISS)	Popescu Eugeniu Mihnea	78
71	479	11. Small missions for micro- and nanosatellites	ATTITUDE DYNAMICS AND CONTROL OF A PARTIALLY ACTUATED MICROSATELLITE	ADCoPAMS	Universitatea POLITEHNICA din Bucuresti	Stroe Ion	78
72	529	3. Earth Observation	HIGH EFFICIENCY REACTION WHEELS POWER CONTROLLER	RW-HEC	ICPE	Stanciu Viorel Serban	77
73	542	3. Earth Observation	Monitoring the temperature extremes based on satellite remote sensing	MONITEX	Universitatea din Bucuresti	Cheval Sorin	77
74	640	3. Earth Observation	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	77
75	651	3. Earth Observation	Software Tools for Advanced Satellite Image Analysis	STASIA	Institutul National pentru Fizica Laserilor, Plasmei si Radiatiei (INFLPR)	Popescu George	77
76	488	7. Human Spaceflight & Microgravity	A Nanotechnology to Support Life inside a Spacecraft	CANAN	Institutul National de Cercetare-Dezvoltare in Domeniul Patologiei si Stiintelor Biomedicale Victor	Leabu Mircea	77
77	574	9. Technology & Science Support	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 INCDIE ICPE-CA	Lucaci Mariana	77
78	713	9. Technology & Science Support	New Technologies for Electrical Power Source of Small Satellites	NTEPS	Universitatea POLITEHNICA Bucuresti	Florescu Adriana	77
79	709	10. Security - SSA	Software Application for Gravity wave Analysis using dynasonde data	SAGA	Institutul de Stiinte Spatiale (ISS)	Catalin Negrea	77
80	636	1. Scientific Programme	Reliability Assessment in Manufacturing MEMS Sensing Arrays for Entry Shields	RAMMSAES	Institutul National pentru Fizica Laserilor, Plasmei si Radiatiei (INFLPR)	Ighigeanu Daniel Paul	76
81	522	6. Robotic exploration	MicroLIBS sensors for robotic planetary and astrobiological exploration missions	ROBIM	Alexandru Ioan Cuza University of Iasi	Gurlui Silviu	76

82	653	7. Human Spaceflight & Microgravity	Moon Village - Romanian Concept. Mission Analysis, Needs, Requirements Identification and Verification	MoonRO	Institutul de Stiinte Spatiale (ISS)	Zgura Ion-Sorin	76
83	578	8. Launchers	Research and development of methane pump of a turbopump for small launchers	METHAPUMP	Institutul National de Cercetare - Dezvoltare Turbomotoare COMOTI	Mihalache Radu	76
84	681	8. Launchers	Advanced Energetic Materials, 3D Printing, for Application in Solid Propellant Rocket Motors	ADMAT3D	Centru de Cercetare Stiintifica pentru Aparare CBRN si Ecologie	Matache Liviu-Cristian	76
85	443	9. Technology & Science Support	System for evaluation of resistance to stress and pilot training	SEVAR	SC IAROM SA Bucuresti	Crudu Eugen	76
86	451	9. Technology & Science Support	Space propulsion technology based on a pulsed magnetoplasma coaxial thruster	PROPLASJET	Institutul National pentru Fizica Laserilor, Plasmei si Radiatiei (INFLPR)	Ticos Catalin Mihai	76
87	575	9. Technology & Science Support	Nano-Technology Engineering Cosmic Radiation Thermal Shields	NTECRTS	Institutul National pentru Fizica Laserilor, Plasmei si Radiatiei (INFLPR)	Oane Mihai	76
88	619	6. Robotic exploration	Autonomous unmanned ground vehicle for planetary surface exploration	AUGV	Institutul National de Cercetare - Dezvoltare pentru Mecatronica si Tehnica Masurarii - INCDMTM	Popan Gheorghe	75
89	437	9. Technology & Science Support	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	75
90	546	9. Technology & Science Support	FUEL TANKS RISK MITIGATION DURING ATMOSPHERIC REENTRY PHASE	TRIMeR	Institutul National de Cercetare Dezvoltare Aerospatiale "Elie Carafoli" - INCAS	Blideran Radu	75
91	629	9. Technology & Science Support	Combinatorial deposition of multicomponent tribo-coating by Gas Cold spray & Atmospheric plasma for aerospace industry	TriboCoat	AEG Progresiv SRL	Mateescu Gheorghe	75
92	453	1. Scientific Programme	Charged Particle Distribution and Radiation in Astrophysical Stochastic Configurations	RASC	Academia Romana - Filiala Cluj-Napoca	Mocanu Gabriela	74
93	463	3. Earth Observation	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	74
94	694	3. Earth Observation	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 (INCDPM)	Deak Gyorgy	74
95	700	3. Earth Observation	InSAR processing for Romania using Sentinel-1 data: elaboration of the first map of persistent radar targets of Romania	SAR4Ro	TERRASIGNA SRL	Teleaga Delia	74

96	627	7. Human Spaceflight & Microgravity	Wearable sweat sensor for mission personnel continuous health monitoring	Sweat	Institutul National de Cercetare Dezvoltare pentru Fizica Materialelor	Enculescu Ionut	74
97	569	8. Launchers	Exploratory study for an environment friendly liquid rocket engine for low earth orbit insertion	ESEFLIRE	Universitatea POLITEHNICA din Bucuresti	Isvoranu Dragos	74
98	517	9. Technology & Science Support	Smart ultra wideband sensors system for electromagnetic compatibility evaluations	SUWBS	Agentia de Cercetare pentru Tehnica si Tehnologii Militare	Stoica Dan Stefan	74
99	623	3. Earth Observation	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	73
100	481	7. Human Spaceflight & Microgravity	The cardiovascular risk in periodontal disease and maxillofacial fractures under microgravity and radiation conditions	CARDIODENT-SPACE	Universitatea de Medicina si Farmacie - Biliu Hatieganu- Cluj-Napoca	Ilea Aranka	73
101	526	9. Technology & Science Support	Optical integrated element based on the new nanocomposite polymers	O-Poly	S.C. OPTOELECTRONICA S.A.	Enuica Alexandra Valentina	73
102	527	9. Technology & Science Support	Study of the influence of the radiations on the dye sensitized solar cells performances for space applications	SIRD	Institutul National pentru Fizica Laserilor, Plasmei si Radiatiei (INFLPR)	Sima Cornelia	73
103	610	9. Technology & Science Support	Direct coating technology with glass of photovoltaic cells for space applications	DICOTECH	Institutul National de Cercetare Dezvoltare pentru Fizica Materialelor	Galca Aurelian Catalin	72
104	561	3. Earth Observation	HIGHLY EFFICIENT MAGNETIC BEARING FOR ATTITUDE CONTROL SYSTEMS	Mag Be	ICPE	Minciunescu Paul	71
105	441	4. Telecommunications & Integrated Applications	Integrated photonic source for satellite quantum cryptography	QULIGHT	Universitatea POLITEHNICA din Bucuresti-Centrul de Cercetare pentru Informatie Spatiale	Ionicioiu Radu	71
106	440	6. Robotic exploration	New Compliant Quadruped Mobile Robot for Space Exploration	QUADRO	Universitatea Politehnica Timisoara	Moldovan Cristian	71
107	511	8. Launchers	Supersonic turbines for micro launchers	STIMULUS	Institutul National de Cercetare - Dezvoltare Turbomotoare COMOTI	Cuciumita Cleopatra	71
108	611	8. Launchers	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" - INCAS	Stefan Adriana	71
109	433	9. Technology & Science Support	Ageing effects analysis methods for thin films based photovoltaic cells for space applications	APVSA	Institutul de Stiinte Spatiale (ISS)	Ghenescu Marian Traian	71



110	539	9. Technology & Science Support	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	71
111	576	3. Earth Observation	ADVANCED GEOSPATIAL MODELING FOR THE LOWER ATMOSPHERE - IONOSPHERE INTERACTION	GEOMOD	Institutul National de Cercetare Dezvoltare pentru Optoelectronica INOE 2000	Zoran Maria	70
112	579	3. Earth Observation	Multi-level indexing structures for Big Data analysis	EO-GRID	Universitatea POLITEHNICA din Bucuresti-Centrul de Cercetare pentru Informatie Spatiale	Vaduva Corina	70
113	688	9. Technology & Science Support	CARBON DOTS, TRIGGERS FOR ENHANCED CONVERSION EFFICIENCY OF SOLAR CELLS IN SPACE APPLICATIONS	DotSolarCells	Universitatea Tehnica "Gheorghe Asachi" din Iasi	Agop Maricel	70
114	710	9. Technology & Science Support	COMOTI reverberation chamber for space applications	COBALT	Institutul National de Cercetare - Dezvoltare Turbomotoare COMOTI	Dragasanu Luminita	70
115	658	10. Security - SSA	Autonomous self-organizing and self-healing robot swarm	AOHRS	Universitatea Transilvania din Brasov	Moldoveanu Florin Dumitru	70