ANEXA 5 - Domenii științifice

Domain Code:	SH
Subdomain Code:	SH1, SH2, SH3, SH4, SH5, SH6
Research Area Code:	SH1_1SH1_12, SH2_1SH2_14

DOMAIN SOCIAL SCIENCES AND HUMANITIES

SH1	Individuals, Markets and Organisations: Economics, finance and management	
SH1_1	Macroeconomics; monetary economics; economic growth	
SH1_2	International management; international trade; international business; spatial economics	
SH1_3	Development economics, health economics, education economics	
SH1_4	Financial economics; banking; corporate finance; international finance; accounting; auditing; insurance	
SH1_5	Labour and demographic economics; human resource management	
SH1_6	Econometrics; operations research	
SH1_7	Behavioural economics; experimental economics; neuro-economics	
SH1_8	Microeconomics; game theory	
SH1_9	Industrial organisation; strategy; entrepreneurship	
SH1_10	Management; marketing; organisational behaviour; operations management	
SH1_11	Technological change, innovation, research & development	
SH1_12	Agricultural economics; energy economics; environmental economics	
SH1_13	Public economics; political economics; law and economics	
SH1_14	Competition law, contract law, trade law, Intellectual Property Rights	
SH1_15	Quantitative economic history and history of economics; institutional economics; economic systems	
SH2	Institutions, Values, Environment and Space: Political science, law, sustainability science, geography, regional studies and planning	
SH2_1	Political systems, governance	
SH2_2	Democratisation and social movements	
SH2_3	Conflict resolution, war, peace building	
SH2_4	Constitutions, human rights, comparative law, humanitarian law, anti-discrimination law	
SH2_5	International relations, global and transnational governance	
SH2_6	Sustainability sciences, environment and resources	
SH2_7	Environmental and climate change, societal impact and policy	
SH2_8	Energy, transportation and mobility	
SH2_9	Urban, regional and rural studies	
SH2_10	Land use and regional planning	
SH2_11	Human, economic and social geography	
SH2_12	GIS, spatial analysis; big data in political, geographical and legal studies	
SH3	The Social World, Diversity, Population: Sociology, social psychology, social anthropology, demography, education, communication	
SH3_1	Social structure, social mobility	
SH3_2	Inequalities, discrimination, prejudice, aggression and violence, antisocial behaviour	
SH3_3	Social integration, exclusion, prosocial behaviour	
SH3_4	Attitudes and beliefs	
SH3_5	Social influence; power and group behaviour	
SH3_6	Kinship; diversity and identities, gender, interethnic relations	
SH3_7	Social policies, welfare	
SH3_8	Population dynamics; households, family and fertility	
SH3_9	Health, ageing and society	

SH3_10	Religious studies, ritual; symbolic representation	
SH3_11	Social aspects of learning, curriculum studies, educational policies	
SH3_12	Communication and information, networks, media	
SH3_13	Digital social research	
SH3_14	Science and technology studies	
SH4	The Human Mind and its complexity: Cognitive science, psychology, linguistics, philosophy of mind	
SH4_1	Cognitive basis of human development and education, developmental disorders; comparative cognition	
SH4_2	Personality and social cognition; emotion	
SH4_3	Clinical and health psychology	
SH4_4	Neuropsychology	
SH4_5	Attention, perception, action, consciousness	
SH4_6	Learning, memory; cognition in ageing	
SH4_7	Reasoning, decision-making; intelligence	
SH4_8	Language learning and processing (first and second languages)	
SH4_9	Theoretical linguistics; computational linguistics	
SH4_10	Language typology; historical linguistics	
SH4_11	Pragmatics, sociolinguistics, linguistic anthropology, discourse analysis	
SH4_12	Philosophy of mind, philosophy of language	
SH4_13	Philosophy of science, epistemology, logic	
SH5	Cultures and Cultural Production: Literature, philology, cultural studies, study of the arts, philosophy	
SH5_1	Classics, ancient literature and art	
SH5_2	Theory and history of literature, comparative literature	
SH5_3	Philology and palaeography	
SH5_4	Visual and performing arts, film, design	
SH5_5	Music and musicology; history of music	
SH5_6	History of art and architecture, arts-based research	
SH5_7	Museums, exhibitions, conservation and restoration	
SH5_8	Cultural studies, cultural identities and memories, cultural heritage	
SH5_9	Metaphysics, philosophical anthropology; aesthetics	
SH5_10	Ethics; social and political philosophy	
SH5_11	History of philosophy	
SH5_12	Computational modelling and digitisation in the cultural sphere	
SH6	The Study of the Human Past: Archaeology and history	
SH6_1	Historiography, theory and methods in history, including the analysis of digital data	
SH6_2	Classical archaeology, history of archaeology	
SH6_3	General archaeology, archaeometry, landscape archaeology	
SH6_4	Prehistory, palaeoanthropology, palaeodemography, protohistory	
SH6_5	Ancient history	
SH6_6	Medieval history	
SH6_7	Early modern history	
SH6_8	Modern and contemporary history	
SH6_9	Clabal history	
SH6_10	Global history, transnational history, comparative history, entangled histories	
SH6_11	Social and economic history	
SH6_12	Gender history; cultural history; history of collective identities and memories	
SH6_13	History of ideas, intellectual history, history of economic thought	
SH6_14	History of science, medicine and technologies	

DOMAIN

MATHEMATICS, PHYSICAL SCIENCES, INFORMATION AND COMMUNICATION, ENGINEERING, UNIVERSE AND EARTH SCIENCES

PE1	Mathematical foundations: all areas of mathematics, pure and applied, plus mathematical foundations of computer science, mathematical physics and statistics	
PE1_1	Logic and foundations	
PE1_2	Algebra	
PE1 3	Number theory	
PE1_4	Algebraic and complex geometry	
PE1_5	Lie groups, Lie algebras	
PE1_6	Geometry and Global Analysis	
PE1_7	Topology	
PE1_8	Analysis	
PE1_9	Operator algebras and functional analysis	
PE1_10	ODE and dynamical systems	
PE1_11	Theoretical aspects of partial differential equations	
PE1_12	Mathematical physics	
PE1_13	Probability	
PE1_14	Statistics	
PE1_15	Discrete mathematics and combinatorics	
PE1_16	Mathematical aspects of computer science	
PE1_17	Numerical analysis	
PE1_18	Scientific computing and data processing	
PE1_19	Control theory and optimisation	
PE1_20	Application of mathematics in sciences	
PE1_21	Application of mathematics in industry and society	
	Fundamental constituents of matter: particle, nuclear, plasma, atomic, molecular, gas, and optical physics	
PE2		
PE2_1	Fundamental interactions and fields	
PE2_1 PE2_2	Fundamental interactions and fields Particle physics	
PE2_1 PE2_2 PE2_3	Fundamental interactions and fields Particle physics Nuclear physics	
PE2_1 PE2_2 PE2_3 PE2_4	Fundamental interactions and fields Particle physics Nuclear physics Nuclear astrophysics	
PE2_1 PE2_2 PE2_3 PE2_4 PE2_5	Fundamental interactions and fields Particle physics Nuclear physics Nuclear astrophysics Gas and plasma physics	
PE2_1 PE2_2 PE2_3 PE2_4 PE2_5 PE2_6	Fundamental interactions and fields Particle physics Nuclear physics Nuclear astrophysics Gas and plasma physics Electromagnetism	
PE2_1 PE2_2 PE2_3 PE2_4 PE2_5 PE2_6 PE2_7	Fundamental interactions and fields Particle physics Nuclear physics Nuclear astrophysics Gas and plasma physics Electromagnetism Atomic, molecular physics	
PE2_1 PE2_2 PE2_3 PE2_4 PE2_5 PE2_6 PE2_7 PE2_8	Fundamental interactions and fields Particle physics Nuclear physics Nuclear astrophysics Gas and plasma physics Electromagnetism Atomic, molecular physics Ultra-cold atoms and molecules	
PE2_1 PE2_2 PE2_3 PE2_4 PE2_5 PE2_6 PE2_7 PE2_8 PE2_9	Fundamental interactions and fields Particle physics Nuclear physics Nuclear astrophysics Gas and plasma physics Electromagnetism Atomic, molecular physics Ultra-cold atoms and molecules Optics, non-linear optics and nano-optics	
PE2_1 PE2_2 PE2_3 PE2_4 PE2_5 PE2_6 PE2_7 PE2_8 PE2_9 PE2_10	Fundamental interactions and fields Particle physics Nuclear physics Nuclear astrophysics Gas and plasma physics Electromagnetism Atomic, molecular physics Ultra-cold atoms and molecules Optics, non-linear optics and nano-optics Quantum optics and quantum information	
PE2_1 PE2_2 PE2_3 PE2_4 PE2_5 PE2_6 PE2_7 PE2_8 PE2_9 PE2_10 PE2_11	Fundamental interactions and fields Particle physics Nuclear physics Nuclear astrophysics Gas and plasma physics Electromagnetism Atomic, molecular physics Ultra-cold atoms and molecules Optics, non-linear optics and nano-optics Quantum optics and quantum information Lasers, ultra-short lasers and laser physics	
PE2_1 PE2_2 PE2_3 PE2_4 PE2_5 PE2_6 PE2_7 PE2_8 PE2_9 PE2_10 PE2_11 PE2_12	Fundamental interactions and fields Particle physics Nuclear physics Nuclear astrophysics Gas and plasma physics Electromagnetism Atomic, molecular physics Ultra-cold atoms and molecules Optics, non-linear optics and nano-optics Quantum optics and quantum information Lasers, ultra-short lasers and laser physics Relativity	
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PE2_1 PE2_2 PE2_3 PE2_4 PE2_5 PE2_6 PE2_7 PE2_8 PE2_9 PE2_10 PE2_11 PE2_12 PE2_13 PE2_14	Fundamental interactions and fields Particle physics Nuclear physics Nuclear astrophysics Gas and plasma physics Electromagnetism Atomic, molecular physics Ultra-cold atoms and molecules Optics, non-linear optics and nano-optics Quantum optics and quantum information Lasers, ultra-short lasers and laser physics Relativity Thermodynamics Non-linear physics Metrology and measurement Statistical physics (gases	
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PE2_1 PE2_2 PE2_3 PE2_4 PE2_5 PE2_6 PE2_7 PE2_8 PE2_9 PE2_10 PE2_11 PE2_12 PE2_13 PE2_14 PE2_15 PE2_16 PE3 PE3_1	Fundamental interactions and fields Particle physics Nuclear physics Nuclear astrophysics Gas and plasma physics Electromagnetism Atomic, molecular physics Ultra-cold atoms and molecules Optics, non-linear optics and nano-optics Quantum optics and quantum information Lasers, ultra-short lasers and laser physics Relativity Thermodynamics Non-linear physics Metrology and measurement Statistical physics (gases Condensed matter physics: structure, electronic properties, fluids, nanosciences, biological physics Structure of solids, material growth and characterisation	
PE2_1 PE2_2 PE2_3 PE2_4 PE2_5 PE2_6 PE2_6 PE2_7 PE2_8 PE2_9 PE2_10 PE2_11 PE2_12 PE2_13 PE2_14 PE2_15 PE2_16 PE3 PE3_1 PE3_2	Fundamental interactions and fields Particle physics Nuclear physics Nuclear astrophysics Gas and plasma physics Electromagnetism Atomic, molecular physics Ultra-cold atoms and molecules Optics, non-linear optics and nano-optics Quantum optics and quantum information Lasers, ultra-short lasers and laser physics Relativity Thermodynamics Non-linear physics Metrology and measurement Statistical physics (gases Condensed matter physics: structure, electronic properties, fluids, nanosciences, biological physics Structure of solids, material growth and characterisation Mechanical and acoustical properties of condensed matter, Lattice dynamics	

PE3_6 Macroscopic quantum phenomena: superconductivity, superfluidity, etc. PE3_7 Spintronics PE3_8 Magnetism and strongly correlated systems PE3_9 Condensed matter – beam interactions (photons, electrons, etc.) PE3_10 Nanophysics: nanoelectronics, nanophotonics, nanomagnetism, nanoelectromechanics, etc. PE3_11 Mesoscopic physics PE3_12 Molecular electronics PE3_13 Structure and dynamics of disordered systems: soft matter (gels, colloids, liquid crystals, etc.), liquids, glasses, defects, etc. PE3_14 Fluid dynamics (physics) PE3_15 Statistical physics: phase transitions, noise and fluctuations, models of complex systems, etc PE3_16 Physics of biological systems	PE3_5	Physical properties of semiconductors and insulators	
PE3.7 Spintronics PE3.8 Magnetism and strongly correlated systems PE3.9 Condensed matter – beam interactions (photons, electrons, etc.) PE3.11 Mesoscopic physics PE3.12 Molecular electronics, nanophotonics, nanomagnetism, nanoelectromechanics, etc. PE3.11 Mesoscopic physics PE3.12 Molecular electronics Structure and dynamics of disordered systems: soft matter (gels, colloids, liquid crystals, etc.), liquids, glasses, defects, etc. PE3.14 Fluid dynamics (physics) PE3.15 Statistical physics: phase transitions, noise and fluctuations, models of complex systems, etc PE3.16 Physica of biological systems PE4.1 Physical and Analytical Chemical sciences: analytical chemistry, chemical theory, physical chemistry chemical physics PE4.1 Physical and Analytical Chemical sciences: analytical chemistry, chemical theory, physical chemistry chemical physics PE4.1 Spectroscopic and spectrometric techniques PE4.3 Molecular architecture and Structure PE4.4 Surface science and nanostructures PE4.5 Analytical chemistry PE4.6 Chemical physics PE4.7 Chemical physics PE4.9 Method development in chemistry PE4.10 Heterogeneous catalysis PE4.11 Physical chemistry of biological systems PE4.11 Physical chemistry of biological systems PE4.12 Chemical reactions: mechanisms, dynamics, kinetics and catalytic reactions PE4.13 Theoretical and computational chemistry PE4.14 Radiation and Nuclear chemistry PE4.15 Photochemistry PE4.16 Corrosion PE4.17 Characterisation methods of materials PE5.1 Surface modification PE5.2 Solid state materials, molecular architecture, organic chemistry PE5.1 Surface modification PE5.3 Surface modification PE5.5 Ionic liquids PE5.6 New materials. Solides, alloys, composite, organic-inorganic hybrid, nanoparticles PE5.9 Coordination chemistry		* * *	
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PE4_3 Molecular architecture and Structure PE4_4 Surface science and nanostructures PE4_5 Analytical chemistry PE4_6 Chemical physics PE4_7 Chemical instrumentation PE4_8 Electrochemistry, electrodialysis, microfluidics, sensors PE4_9 Method development in chemistry PE4_10 Heterogeneous catalysis PE4_11 Physical chemistry of biological systems PE4_12 Chemical reactions: mechanisms, dynamics, kinetics and catalytic reactions PE4_13 Theoretical and computational chemistry PE4_14 Radiation and Nuclear chemistry PE4_15 Photochemistry PE4_16 Corrosion PE4_17 Characterisation methods of materials PE4_18 Environment chemistry PE5_1 Synthetic Chemistry and Materials: Materials synthesis, structure-properties relations, functional and advanced materials, molecular architecture, organic chemistry PE5_1 Structural properties of materials PE5_2 Solid state materials PE5_3 Surface modification PE5_4 Thin films PE5_5 Ionic liquids PE5_6 New materials; oxides, alloys, composite, organic-inorganic hybrid, nanoparticles PE5_7 Biomaterials, biomaterials synthesis PE5_8 Intelligent materials – self assembled materials PE5_9 Coordination chemistry	PE4_1	Physical chemistry	
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PE4_5 Analytical chemistry PE4_6 Chemical physics PE4_7 Chemical instrumentation PE4_8 Electrochemistry, electrodialysis, microfluidics, sensors PE4_9 Method development in chemistry PE4_10 Heterogeneous catalysis PE4_11 Physical chemistry of biological systems PE4_12 Chemical reactions: mechanisms, dynamics, kinetics and catalytic reactions PE4_13 Theoretical and computational chemistry PE4_14 Radiation and Nuclear chemistry PE4_15 Photochemistry PE4_15 Photochemistry PE4_16 Corrosion PE4_17 Characterisation methods of materials PE4_18 Environment chemistry PE5_1 Synthetic Chemistry and Materials: Materials synthesis, structure-properties relations, functional and advanced materials, molecular architecture, organic chemistry PE5_1 Structural properties of materials PE5_2 Solid state materials PE5_3 Surface modification PE5_4 Thin films PE5_5 Ionic liquids PE5_6 New materials: oxides, alloys, composite, organic-inorganic hybrid, nanoparticles PE5_7 Biomaterials, biomaterials synthesis PE5_8 Intelligent materials – self assembled materials PE5_9 Coordination chemistry	PE4_3	Molecular architecture and Structure	
PE4_6 Chemical physics PE4_7 Chemical instrumentation PE4_8 Electrochemistry, electrodialysis, microfluidics, sensors PE4_9 Method development in chemistry PE4_10 Heterogeneous catalysis PE4_11 Physical chemistry of biological systems PE4_12 Chemical reactions: mechanisms, dynamics, kinetics and catalytic reactions PE4_13 Theoretical and computational chemistry PE4_14 Radiation and Nuclear chemistry PE4_15 Photochemistry PE4_15 Photochemistry PE4_16 Corrosion PE4_17 Characterisation methods of materials PE4_18 Environment chemistry PE5_1 Synthetic Chemistry and Materials: Materials synthesis, structure-properties relations, functional and advanced materials, molecular architecture, organic chemistry PE5_1 Structural properties of materials PE5_2 Solid state materials PE5_3 Surface modification PE5_4 Thin films PE5_5 Ionic liquids PE5_6 New materials: oxides, alloys, composite, organic-inorganic hybrid, nanoparticles PE5_7 Biomaterials, biomaterials synthesis PE5_8 Intelligent materials – self assembled materials PE5_9 Coordination chemistry	PE4_4	Surface science and nanostructures	
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PE5_11 Biological chemistry		•	
PE5_12 Chemistry of condensed matter	-		
PE5_13 Homogeneous catalysis	-	•	
PE5_14 Macromolecular chemistry			
PE5_15 Polymer chemistry	PE5_15	Polymer chemistry	
PE5_16 Supramolecular chemistry			

PE5_17	Organic chemistry	
PE5_18	Medicinal chemistry	
PE6	Computer science and informatics: informatics and information systems, computer science, scientific computing, intelligent systems	
PE6_1	Computer architecture, pervasive computing, ubiquitous computing	
PE6_2	Computer systems, parallel/distributed systems, sensor networks, embedded systems, cyber-physical systems	
PE6_3	Software engineering, operating systems, computer languages	
PE6_4	Theoretical computer science, formal methods, and quantum computing	
PE6_5	Cryptology, security, privacy, quantum cryptography	
PE6_6	Algorithms, distributed, parallel and network algorithms, algorithmic game theory	
PE6_7	Artificial intelligence, intelligent systems, multi agent systems	
PE6_8	Computer graphics, computer vision, multi media, computer games	
PE6_9	Human computer interaction and interface, visualisation and natural language processing	
PE6_10	Web and information systems, database systems, information retrieval and digital libraries, data fusion	
PE6_11	Machine learning, statistical data processing and applications using signal processing (e.g. speech, image, video)	
PE6_12	Scientific computing, simulation and modelling tools	
PE6_13	Bioinformatics, biocomputing, and DNA and molecular computation	
PE7	Systems and communication engineering: electronic, communication, optical and systems engineering	
PE7_1	Control engineering	
PE7_2	Electrical engineering: power components and/or systems	
PE7_3	Simulation engineering and modelling	
PE7_4	(Micro- and nano-) systems engineering	
PE7_5	(Micro- and nano-) electronic, optoelectronic and photonic components	
PE7_6	Communication technology, high-frequency technology	
PE7_7	Signal processing	
PE7_8	Networks (communication networks, sensor networks, networks of robots, etc.)	
PE7_9	Man-machine interfaces	
PE7_10	Robotics	
PE7_11	Components and systems for applications (in e.g. medicine, biology, environment)	
PE7_12	Electrical energy production, distribution, application	
PE8	Products and process engineering: Product design, process design and control, construction methods, civil engineering, energy processes, material engineering	
PE8_1	Aerospace engineering	
PE8_2	Chemical engineering, technical chemistry	
PE8_3	Civil engineering, maritime/hydraulic engineering, geotechnics, waste treatment	
PE8_4	Computational engineering	
PE8_5	Fluid mechanics, hydraulic-, turbo-, and piston engines	
PE8_6	Energy processes engineering	
PE8_7	Mechanical and manufacturing engineering (shaping, mounting, joining, separation)	
PE8_8	Materials engineering (biomaterials, metals, ceramics, polymers, composites, etc.)	
PE8_9	Production technology, process engineering	
PE8_10	Industrial design (product design, ergonomics, man-machine interfaces, etc.)	
PE8_11	Sustainable design (for recycling, for environment, eco-design)	
PE8_12	Lightweight construction, textile technology	
PE8_13	Industrial bioengineering	
PE9	Universe sciences: astro-physics/chemistry/biology; solar system; stellar, galactic and extragalactic astronomy, planetary systems, cosmology; space science, instrumentation	
PE9_1	Solar and interplanetary physics	
PE9_2	Planetary systems sciences	

PE9_3	Interstellar medium	
PE9_4	Formation of stars and planets	
PE9_5	Astrobiology	
PE9_6	Stars and stellar systems	
PE9_7	The Galaxy	
PE9_8	Formation and evolution of galaxies	
PE9_9	Clusters of galaxies and large scale structures	
PE9_10	High energy and particles astronomy – X-rays, cosmic rays, gamma rays, neutrinos	
PE9_11	Relativistic astrophysics	
PE9_12	Dark matter, dark energy	
PE9_13	Gravitational astronomy	
PE9_14	Cosmology	
PE9_15	Space Sciences	
PE9_16	Very large data bases: archiving, handling and analysis	
PE9_17	Instrumentation - telescopes, detectors and techniques	
PE10	Earth system science: Physical geography, geology, geophysics, atmospheric sciences, oceanography, climatology, cryology, ecology, global environmental change, biogeochemical cycles, natural resources management	
PE10_1	Atmospheric chemistry, atmospheric composition, air pollution	
PE10_2	Meteorology, atmospheric physics and dynamics	
PE10_3	Climatology and climate change	
PE10_4	Terrestrial ecology, land cover change,	
PE10_5	Geology, tectonics, volcanology,	
PE10_6	Paleoclimatology, paleoecology	
PE10_7	Physics of earth's interior, seismology, volcanology	
PE10_8	Oceanography (physical, chemical, biological)	
PE10_9	Biogeochemistry, biogeochemical cycles, environmental chemistry	
PE10_10	Mineralogy, petrology, igneous petrology, metamorphic petrology	
PE10_11	Geochemistry, crystal chemistry, isotope geochemistry, thermodynamics,	
PE10_12	Sedimentology, soil science, palaeontology, earth evolution	
PE10_13	Physical geography	
PE10_14	Earth observations from space/remote sensing	
PE10_15	Geomagnetism, paleomagnetism	
PE10_16	Ozone, upper atmosphere, ionosphere	
PE10_17	Hydrology, water and soil pollution	
PE10_18	Cryosphere, dynamics of snow and ice cover, sea ice, permafrosts and ice sheets	

DOMAIN LIFE SCIENCES

	Molecular Biology, Biochemistry, Structural Biology and Molecular Biophysics: Molecular	
LS1	synthesis, modification, mechanisms and interactions, biochemistry, structural biology, molecular	
	biophysics signalling pathways	
LS1_1	Macromolecular complexes including interactions involving nucleic acids, proteins, lipids and carbohydrates	
LS1_2	Biochemistry	
LS1_3	DNA synthesis, modification, repair, recombination, degradation	
LS1_4	RNA synthesis, processing, modification, degradation	
LS1_5	Protein synthesis, modification, turnover	
LS1_6	Lipid biology	
LS1_7	Glycobiology	
LS1_8	Molecular biophysics (e.g. single-molecule approaches, bioenergetics, fluorescence)	
LS1_9	Structural biology and its methodologies (e.g. crystallography, cryo-EM, NMR and new technologies)	
LS1_10	Molecular mechanisms of signalling pathways	
LS1_11	Fundamental aspects of synthetic biology and chemical biology	
LS2	Genetics, 'Omics', Bioinformatics and Systems Biology: Molecular genetics, quantitative genetics, genetic epidemiology, epigenetics, genomics, metagenomics, transcriptomics, proteomics,	
	metabolomics, glycomics, bioinformatics, computational biology, biostatistics, systems biology	
LS2_1	Molecular genetics, reverse genetics, forward genetics, genome editing	
LS2_2	Non-coding RNAs	
LS2_3	Quantitative genetics	
LS2_4	Genetic epidemiology	
LS2_5	Epigenetics and gene regulation	
LS2_6	Genomics (e.g. comparative genomics, functional genomics)	
LS2_7	Metagenomics	
LS2_8	Transcriptomics	
LS2_9	Proteomics	
LS2_10	Metabolomics	
LS2_11	Glycomics/Lipidomics	
LS2_12	Bioinformatics	
LS2_13	Computational biology	
LS2_14	Biostatistics	
LS2_15	Systems biology	
LS3	Cellular and Developmental Biology: Cell biology, cell physiology, signal transduction, organogenesis, developmental genetics, pattern formation and stem cell biology, in plants and animals, or, where appropriate, in microorganisms	
LS3_1	Morphology and functional imaging of cells and tissues	
LS3_2	Cytoskeleton and cell behaviour (e.g. control of cell shape, cell migration and cellular mechanosensing)	
LS3_3	Organelle biology and trafficking	
LS3_4	Cell junctions, cell adhesion, cell communication and the extracellular matrix	
LS3_5	Cell signalling and signal transduction	
LS3_6	Cell cycle, division and growth	
LS3_7	Cell death (including senescence) and autophagy	
LS3_8	Cell differentiation, physiology and dynamics	
	Stem cell biology in development, tissue regeneration and ageing, and fundamental aspects of stem cell-based	
LS3_9 LS3_10 LS3_11 LS3_12	Developmental genetics in animals and plants Embryology and pattern formation in animals and plants Tissue organisation and morphogenesis in animals and plants (including biophysical approaches)	

	therapies	
T C/4	Physiology, Pathophysiology and Endocrinology: Organ physiology, pathophysiology, endocrinology,	
LS4	metabolism, ageing, tumorigenesis, cardiovascular diseases, metabolic syndromes	
LS4_1	Organ physiology and pathophysiology	
LS4_2	Comparative physiology and pathophysiology	
LS4_3	Molecular aspects of endocrinology	
LS4_4	Fundamental mechanisms underlying ageing	
LS4_5	Metabolism, biological basis of metabolism-related disorders	
LS4_6	Fundamental mechanisms underlying cancer	
LS4_7	Fundamental mechanisms underlying cardiovascular diseases	
LS4_8	Non-communicable diseases (except for neural/psychiatric and immunity-related diseases)	
LS5	Neurosciences and neural disorders: Neural cell function and signalling, systems neuroscience, neural bases of cognitive and behavioural processes, neurological and psychiatric disorders	
LS5_1	Neural cell function, communication and signalling, neurotransmission in neuronal and/or glial cells	
LS5_2	Systems neuroscience and computational neuroscience (e.g. neural networks, neural modelling)	
LS5_3	Neuronal development, plasticity and regeneration	
LS5_4	Sensation and perception (e.g. sensory systems, sensory processing, pain)	
LS5_5	Neural bases of cognitive processes (e.g. memory, learning, attention)	
LS5_6	Neural bases of behaviour (e.g. sleep, consciousness, addiction)	
LS5_7	Neurological disorders (e.g. neurodegenerative diseases, seizures)	
LS5_8	Psychiatric disorders (e.g. affective and anxiety disorders, autism, psychotic disorders)	
LS5_9	Neurotrauma and neurovascular conditions (including injury, blood-brain barrier, stroke, neurorehabilitation)	
LS6	Immunity and infection: The immune system and related disorders, biology of infectious agents and infection, biological basis of prevention and treatment of infectious diseases	
LS6_1	Innate immunity in animals and plants	
LS6_2	Adaptive immunity	
LS6_3	Regulation and effector functions of the immune response (e.g. cytokines, interferons and chemokines, inflammation, immune signalling, helper T cells, immunological memory, immunological tolerance, cell-mediated cytotoxicity, complement)	
LS6_4	Immunological mechanisms in disease (e.g. autoimmunity, allergy, transplantation immunology, tumour immunology)	
LS6_5	Biology of pathogens (e.g. bacteria, viruses, parasites, fungi)	
LS6_6	Mechanisms of infection (e.g. transmission, virulence factors, host defences, immunity to pathogens, molecular pathogenesis)	
LS6_7	Biological basis of prevention and treatment of infection (e.g. infection natural cycle, reservoirs, vectors, vaccines, antimicrobials)	
LS6_8	Infectious diseases in animals and plants	
LS7	Applied Medical Technologies, Diagnostics, Therapies and Public Health: Development of tools for diagnosis, monitoring and treatment of diseases, pharmacology, clinical medicine, regenerative medicine, epidemiology and public health	
LS7_1	Imaging for medical diagnosis	
LS7_2	Genetic tools for medical diagnosis	
LS7_3	Other medical technologies for diagnosis and monitoring of diseases	
LS7_4	Pharmacology and pharmacogenomics (including drug discovery and design, drug delivery and therapy, toxicology)	
LS7_5	Applied gene and cell therapies, regenerative medicine	
LS7_6	Radiation therapy	
LS7_7	Analgesia and surgery	
LS7_8	Epidemiology and public health	
LS7_9	Environmental health, occupational medicine	
LS7_10	Health services, health care research, medical ethics	
LS8	Ecology, Evolution and Environmental Biology: Population, community and ecosystem ecology, evolutionary biology, behavioural ecology, microbial ecology	

LS8_1	Ecosystem and community ecology, macroecology
LS8_2	Biodiversity, conservation biology, conservation genetics
LS8_3	Population biology, population dynamics, population genetics
LS8_4	Evolutionary ecology
LS8_5	Evolutionary genetics
LS8_6	Phylogenetics, systematics, comparative biology
LS8_7	Macroevolution, paleobiology
LS8_8	Coevolution, biological mechanisms and ecology of species interactions (e.g. symbiosis, parasitism, mutualism, food-webs)
LS8_9	Behavioural ecology and evolution
LS8_10	Microbial ecology and evolution
LS8_11	Marine biology and ecology
LS9	Applied Life Sciences, Biotechnology, and Molecular and Biosystems Engineering: Applied plant and animal sciences, forestry, food sciences, applied biotechnology, environmental, and marine biotechnology, applied bioengineering, biomass and biofuels, biohazards
LS9_1	Applied biotechnology (including transgenic organisms, applied genetics and genomics, biosensors, bioreactors, microbiology, bioactive compounds)
LS9_2	Applied bioengineering, synthetic biology, chemical biology, nanobiotechnology, metabolic engineering, protein and glyco-engineering, tissue engineering, biocatalysis, biomimetics
LS9_3	Applied animal sciences (including animal breeding, veterinary sciences, animal husbandry, animal welfare, aquaculture, fisheries, insect gene drive)
LS9_4	Applied plant sciences (including crop production, plant breeding, agroecology, forestry, soil biology)
LS9_5	Food sciences (including food technology, food safety, nutrition)
LS9_6	Biomass production and utilisation, biofuels
LS9_7	Environmental biotechnology (including bioindicators, bioremediation, biodegradation)
LS9_8	Biohazards (including biological containment, biosafety, biosecurity)
LS9_9	Marine biotechnology (including marine bioproducts, feed resources, genome mining)

Domeniile de cercetare cu specific românesc sunt limba și literatura română și dreptul românesc.

Comisiile de Științe Umaniste și de Științe Sociale ale CNCS vor examina aplicațiile depuse în limba română și se vor pronunța cu privire la justificarea folosirii acesteia.

Lista domeniilor în interiorul cărora proiectele sunt ierarhizate

Denumire subdomeniu	Cod subdomeniu
Matematică	PE1_1; PE1_2; PE1_3; PE1_4; PE1_5; PE1_6; PE1_7; PE1_8; PE1_9; PE1_10; PE1_11; PE1_12; PE1_13; PE1_14; PE1_15; PE1_16; PE1_17; PE1_18; PE1_19; PE1_20; PE1_21.
Informatică	PE6_1; PE6_2; PE6_3; PE6_4; PE6_5; PE6_6; PE6_7; PE6_8; PE6_9; PE6_10; PE6_11; PE6_12; PE6_13
Chimie	PE4_1; PE4_2; PE4_3; PE4_5; PE4_6; PE4_7; PE4_8; PE4_9; PE4_11; PE4_12; PE4_13; PE4_14; PE4_15; PE4_18 PE5_9; PE5_11; PE5_13; PE5_16; PE5_17; PE5_18
Fizică	PE2_1; PE2_2; PE2_3; PE2_4; PE2_5; PE2_6; PE2_7; PE2_8; PE2_9; PE2_10; PE2_11; PE2_12; PE2_13; PE2_14; PE2_15; PE2_16 PE3_1; PE3_2; PE3_3; PE3_4; PE3_5; PE3_6; PE3_7; PE3_8; PE3_9; PE3_10; PE3_11; PE3_12; PE3_13; PE3_14; PE3_15; PE3_16 PE9_1; PE9_2; PE9_3; PE9_4; PE9_5; PE9_6; PE9_7; PE9_8; PE9_9; PE9_10; PE9_11; PE9_12; PE9_13; PE9_14; PE9_15; PE9_16; PE9_17
Științe inginerești	PE7_1; PE7_2; PE7_3; PE7_4; PE7_5; PE7_6; PE7_7; PE7_8; PE7_9; PE7_10; PE7_11; PE7_12 PE8_1; PE8_2; PE8_3; PE8_4; PE8_5; PE8_6; PE8_7; PE8_9; PE8_10; PE8_11; PE8_12; PE8_13
Știința materialelor	PE4_4; PE4_10; PE4_16; PE4_17; PE5_1; PE5_2; PE5_3; PE5_4; PE5_5; PE5_6; PE5_7; PE5_8; PE5_10; PE5_12; PE5_14; PE5_15; PE8_8
Științele pământului și ale atmosferei	PE10_1; PE10_2; PE10_3; PE10_4; PE10_5; PE10_6; PE10_7; PE10_8; PE10_9; PE10_10; PE10_11; PE10_12; PE10_13; PE10_14; PE10_15; PE10_16; PE10_17; PE10_18
Biologie și Ecologie	LS1_1; LS1_2; LS1_3; LS1_4; LS1_5; LS1_6; LS1_7; LS1_8; LS1_9; LS1_10; LS1_11 LS2_1; LS2_2; LS2_3; LS2_4; LS2_5; LS2_6; LS2_7; LS2_8; LS2_9; LS2_10; LS2_11; LS2_12; LS2_13; LS2_14; LS2_15. LS3_1; LS3_2; LS3_3; LS3_4; LS3_5; LS3_6; LS3_7; LS3_8; LS3_9; LS3_10; LS3_11; LS3_12. LS4_1; LS4_2; LS4_3; LS4_4; LS4_5; LS4_6; LS4_7; LS4_8. LS5_1; LS5_2; LS5_3; LS5_4; LS5_5; LS5_6; LS5_7; LS5_8; LS5_9 LS8_1; LS8_2; LS8_3; LS8_4; LS8_5; LS8_6; LS8_7; LS8_8; LS8_9; LS8_10; LS8_11.
Medicină	LS6_1; LS6_2; LS6_3; LS6_4; LS6_5; LS6_6; LS6_7; LS6_8 LS7_1; LS7_2; LS7_3; LS7_4; LS7_5; LS7_6; LS7_7; LS7_8; LS7_9; LS7_10
Științele vieții aplicate și	LS9_1; LS9_2; LS9_3; LS9_4; LS9_5; LS9_6; LS9_7; LS9_8;

Biotehnologii	LS9_9
Științe sociale și economice	SH1_1, SH1_2, SH1_3, SH1_4, SH1_5, SH1_6, SH1_7, SH1_8, SH1_9, SH1_10, SH1_11, SH1_12, SH1_13, SH1_14, SH1_15, SH2_1, SH2_2, SH2_3, SH2_4, SH2_5, SH2_6, SH2_7, SH2_8, SH2_9, SH2_10, SH2_11, SH2_12, SH3_1, SH3_2, SH3_3, SH3_4, SH3_5, SH3_6, SH3_7, SH3_8, SH3_9, SH3_11, SH3_12, SH3_13, SH3_14, SH4_1, SH4_2, SH4_3, SH4_4, SH4_5, SH4_6, SH4_7
Ştiinţe umaniste	SH3_10, SH4_8, SH4_9, SH4_10, SH4_11, SH4_12, SH4_13, SH5_1, SH5_2, SH5_3, SH5_4, SH5_5, SH5_6, SH5_7, SH5_8, SH5_9, SH5_10, SH5_11, SH5_12, SH6_1, SH6_2, SH6_3, SH6_4, SH6_5, SH6_6, SH6_7, SH6_8, SH6_9, SH6_10, SH6_11, SH6_12, SH6_13, SH6_14

Tabel de corespodență între domeniul aplicației și domeniul de cotare al revistei/editurii de către CNCS:

Arhitectură și urbanism	SH5_6
Arte vizuale	SH5_4, SH5_6, SH5_7, SH5_12
Cinematografie	SH5_4
Filologie	SH4_8, SH4_9, SH4_10 SH4_11, SH5_1,
	SH5_2, SH5_3, SH5_6
Filosofie	SH4_12, SH4_13, SH5_3, SH5_9, SH5_10,
	SH5_11
Istorie și studii culturale	SH5_1, SH5_3, SH5_4, SH5_8, SH6_1, SH6_2,
	SH6_3, SH6_4, SH6_5, SH6_6, SH6_7, SH6_8,
	SH6_9, SH6_10, SH6_11, SH6_12, SH6_13,
	SH6_14
Muzică	SH5_5
Teatru și artele spectacolului	SH5_4
Teologie	SH3_10