

ERC SEEDS UNIBA

Allegato 1

Struttura dei Panel ERC Starting Grant (ERC Review Panel)

Macrosettori e settori disciplinari dei progetti di ricerca ammissibili

Physical Sciences and Engineering

PE1 Mathematics

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 Mathematical statistics
- PE1_15 Generic statistical methodology and modelling
- PE1_16 Discrete mathematics and combinatorics
- PE1_17 Mathematical aspects of computer science
- PE1_18 Numerical analysis
- PE1_19 Scientific computing and data processing
- PE1_20 Control theory, optimisation and operational research
- PE1_21 Application of mathematics in sciences
- PE1_22 Application of mathematics in industry and society

PE2 Fundamental Constituents of Matter

Particle, nuclear, plasma, atomic, molecular, gas, and optical physics

- PE2_1 Theory of fundamental interactions

PE2_2 Phenomenology of fundamental interactions
PE2_3 Experimental particle physics with accelerators
PE2_4 Experimental particle physics without accelerators
PE2_5 Classical and quantum physics of gravitational interactions
PE2_6 Nuclear, hadron and heavy ion physics
PE2_7 Nuclear and particle astrophysics
PE2_8 Gas and plasma physics
PE2_9 Electromagnetism
PE2_10 Atomic, molecular physics
PE2_11 Ultra-cold atoms and molecules
PE2_12 Optics, non-linear optics and nano-optics
PE2_13 Quantum optics and quantum information
PE2_14 Lasers, ultra-short lasers and laser physics
PE2_15 Thermodynamics
PE2_16 Non-linear physics
PE2_17 Metrology and measurement
PE2_18 Equilibrium and non-equilibrium statistical mechanics: steady states and dynamics

PE3 Condensed Matter Physics

Structure, electronic properties, fluids, nanosciences, biological physics

PE3_1 Structure of solids, material growth and characterisation
PE3_2 Mechanical and acoustical properties of condensed matter, lattice dynamics
PE3_3 Transport properties of condensed matter
PE3_4 Electronic properties of materials, surfaces, interfaces, nanostructures
PE3_5 Physical properties of semiconductors and insulators
PE3_6 Macroscopic quantum phenomena, e.g. superconductivity, superfluidity, quantum Hall effect
PE3_7 Spintronics
PE3_8 Magnetism and strongly correlated systems
PE3_9 Condensed matter – beam interactions (photons, electrons, etc.)
PE3_10 Nanophysics, e.g. nanoelectronics, nanophotonics, nanomagnetism, nanoelectromechanics
PE3_11 Mesoscopic quantum physics and solid-state quantum technologies
PE3_12 Molecular electronics
PE3_13 Structure and dynamics of disordered systems, e.g. soft matter (gels, colloids, liquid crystals), granular matter, liquids, glasses, defects
PE3_14 Fluid dynamics (physics)
PE3_15 Statistical physics: phase transitions, condensed matter systems, models of complex systems, interdisciplinary applications
PE3_16 Physics of biological systems

PE4 Physical and Analytical Chemical Sciences

Analytical chemistry, chemical theory, physical chemistry/chemical physics

PE4_1 Physical chemistry
PE4_2 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 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 Synthetic Chemistry and Materials

New materials and new synthetic approaches, structure-properties relations, solid state chemistry, molecular architecture, organic chemistry

PE5_1 Structural properties of materials
PE5_2 Solid state materials chemistry
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 synthesis
PE5_8 Intelligent materials synthesis – self assembled materials
PE5_9 Coordination chemistry
PE5_10 Colloid chemistry
PE5_11 Biological chemistry and chemical biology PE5_12 Chemistry of condensed matter
PE5_13 Homogeneous catalysis PE5_14 Macromolecular 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, embedded systems, operating systems
PE6_2 Distributed systems, parallel computing, sensor networks, cyber-physical systems
PE6_3 Software engineering, programming languages and systems
PE6_4 Theoretical computer science, formal methods, automata
PE6_5 Security, privacy, cryptology, quantum cryptography
PE6_6 Algorithms and complexity, distributed, parallel and network algorithms, algorithmic game theory
PE6_7 Artificial intelligence, intelligent systems, natural language processing
PE6_8 Computer graphics, computer vision, multimedia, computer games
PE6_9 Human computer interaction and interface, visualisation
PE6_10 Web and information systems, data management 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, bio-inspired computing, and natural computing
- PE6_14 Quantum computing (formal methods, algorithms and other computer science aspects)

PE7 Systems and Communication Engineering

Electrical, 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 systems, wireless technology, high-frequency technology
- PE7_7 Signal processing
- PE7_8 Networks, e.g. communication networks and nodes, Internet of Things, sensor networks, networks of robots
- 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, applications

PE8 Products and Processes Engineering

Product and process design, chemical, civil, environmental, mechanical, vehicle engineering, energyprocesses and relevant computational methods

- PE8_1 Aerospace engineering
- PE8_2 Chemical engineering, technical chemistry
- PE8_3 Civil engineering, architecture, offshore construction, lightweight construction, geotechnics
- PE8_4 Computational engineering
- PE8_5 Fluid mechanics
- PE8_6 Energy processes engineering
- PE8_7 Mechanical engineering
- PE8_8 Propulsion engineering, e.g. hydraulic, turbo, piston, hybrid engines
- PE8_9 Production technology, process engineering
- PE8_10 Manufacturing engineering and industrial design
- PE8_11 Environmental engineering, e.g. sustainable design, waste and water treatment, recycling, regeneration or recovery of compounds, carbon capture & storage
- PE8_12 Naval/marine engineering
- PE8_13 Industrial bioengineering
- PE8_14 Automotive and rail engineering; multi-/inter-modal transport engineering

PE9 Universe Sciences

Astro-physics/-chemistry/-biology; solar system; planetary systems; stellar, galactic and extragalactic astronomy; cosmology; space sciences; astronomical instrumentation and data

- PE9_1 Solar physics – the Sun and the heliosphere
- PE9_2 Solar system science
- PE9_3 Exoplanetary science, formation and characterization of extrasolar planets

PE9_4 Astrobiology
PE9_5 Interstellar medium and star formation
PE9_6 Stars – stellar physics, stellar systems
PE9_7 The Milky Way
PE9_8 Galaxies – formation, evolution, clusters
PE9_9 Cosmology and large-scale structure, dark matter, dark energy
PE9_10 Relativistic astrophysics and compact objects
PE9_11 Gravitational wave astronomy
PE9_12 High-energy and particle astronomy
PE9_13 Astronomical instrumentation and data, e.g. telescopes, detectors, techniques, archives, analyses

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 Palaeoclimatology, palaeoecology
PE10_7 Physics of earth's interior, seismology, geodynamics
PE10_8 Oceanography (physical, chemical, biological, geological)
PE10_9 Biogeochemistry, biogeochemical cycles, environmental chemistry
PE10_10 Mineralogy, petrology, igneous petrology, metamorphic petrology
PE10_11 Geochemistry, cosmochemistry, crystal chemistry, isotope geochemistry, thermodynamics
PE10_12 Sedimentology, soil science, palaeontology, earth evolution
PE10_13 Physical geography, geomorphology
PE10_14 Earth observations from space/remote sensing
PE10_15 Geomagnetism, palaeomagnetism
PE10_16 Ozone, upper atmosphere, ionosphere
PE10_17 Hydrology, hydrogeology, engineering and environmental geology, water and soil pollution
PE10_18 Cryosphere, dynamics of snow and ice cover, sea ice, permafrosts and ice sheets
PE10_19 Planetary geology and geophysics
PE10_20 Geohazards
PE10_21 Earth system modelling and interactions

PE11 Materials Engineering

Advanced materials development: performance enhancement, modelling, large-scale preparation, modification, tailoring, optimisation, novel and combined use of materials, etc.

PE11_1 Engineering of biomaterials, biomimetic, bioinspired and bio-enabled materials
PE11_2 Engineering of metals and alloys
PE11_3 Engineering of ceramics and glasses
PE11_4 Engineering of polymers and plastics

PE11_5 Engineering of composites and hybrid materials
PE11_6 Engineering of carbon materials
PE11_7 Engineering of metal oxides
PE11_8 Engineering of alternative established or emergent materials
PE11_9 Nanomaterials engineering, e.g. nanoparticles, nanoporous materials, 1D & 2D nanomaterials
PE11_10 Soft materials engineering, e.g. gels, foams, colloids
PE11_11 Porous materials engineering, e.g. covalent-organic, metal-organic, porous aromatic frameworks
PE11_12 Semi-conducting and magnetic materials engineering
PE11_13 Metamaterials engineering
PE11_14 Computational methods for materials engineering

Life Sciences

LS1 Molecules of Life: Biological Mechanisms, Structures and Functions

For all organisms:

Molecular biology, biochemistry, structural biology, molecular biophysics, synthetic and chemical biology, drug design, innovative methods and modelling

LS1_1 Macromolecular complexes including interactions involving nucleic acids, proteins, lipids and carbohydrates

LS1_2 Biochemistry

LS1_3 DNA and RNA biology

LS1_4 Protein biology

LS1_5 Lipid biology

LS1_6 Glycobiology

LS1_7 Molecular biophysics, biomechanics, bioenergetics

LS1_8 Structural biology

LS1_9 Molecular mechanisms of signalling processes

LS1_10 Synthetic biology

LS1_11 Chemical biology

LS1_12 Protein design

LS1_13 Early translational research and drug design

LS1_14 Innovative methods and modelling in molecular, structural and synthetic biology

LS2 Integrative Biology: from Genes and Genomes to Systems

For all organisms:

Genetics, epigenetics, genomics and other 'omics studies, bioinformatics, systems biology, genetic diseases, gene editing, innovative methods and modelling, 'omics for personalised medicine

LS2_1 Genetics

LS2_2 Gene editing

LS2_3 Epigenetics

LS2_4 Gene regulation

LS2_5 Genomics

LS2_6 Metagenomics

LS2_7 Transcriptomics

LS2_8 Proteomics

LS2_9 Metabolomics

LS2_10 Glycomics/Lipidomics

LS2_11 Bioinformatics and computational biology

LS2_12 Biostatistics

LS2_13 Systems biology

LS2_14 Genetic diseases

LS2_15 Integrative biology for personalised medicine

LS2_16 Innovative methods and modelling in integrative biology

LS3 Cell Biology, Development, Stem Cells and Regeneration

For all organisms:

Structure and function of the cell, cell-cell communication, embryogenesis, tissue differentiation, organogenesis, growth, development, evolution of development, organoids, stem cells, regeneration, therapeutic approaches

LS3_1 Cell cycle, cell division and growth

LS3_2 Cell senescence, cell death, autophagy, cell ageing

LS3_3 Cell behaviour, including control of cell shape, cell migration

LS3_4 Cell junctions, cell adhesion, the extracellular matrix, cell communication

LS3_5 Cell signalling and signal transduction, exosome biology

LS3_6 Organelle biology and trafficking

LS3_7 Mechanobiology of cells, tissues and organs

LS3_8 Embryogenesis, pattern formation, morphogenesis

LS3_9 Cell differentiation, formation of tissues and organs

LS3_10 Developmental genetics

LS3_11 Evolution of developmental strategies

LS3_12 Organoids

LS3_13 Stem cells

LS3_14 Regeneration

LS3_15 Development of cell-based therapeutic approaches for tissue regeneration

LS3_16 Functional imaging of cells and tissues

LS3_17 Theoretical modelling in cellular, developmental and regenerative biology

LS4 Physiology in Health, Disease and Ageing

Organ and tissue physiology, comparative physiology, physiology of ageing, pathophysiology, inter-organ and tissue communication, endocrinology, nutrition, metabolism, interaction with the microbiome, non-communicable diseases including cancer (and except disorders of the nervous system and immunity-related diseases)

LS4_1 Organ and tissue physiology and pathophysiology

LS4_2 Comparative physiology

LS4_3 Physiology of ageing

LS4_4 Endocrinology

LS4_5 Non-hormonal mechanisms of inter-organ and tissue communication

LS4_6 Microbiome and host physiology

LS4_7 Nutrition and exercise physiology

LS4_8 Impact of stress (including environmental stress) on physiology

LS4_9 Metabolism and metabolic disorders, including diabetes and obesity

LS4_10 The cardiovascular system and cardiovascular diseases

LS4_11 Haematopoiesis and blood diseases

LS4_12 Cancer

LS4_13 Other non-communicable diseases (except disorders of the nervous system and immunity-related diseases)

LS5 Neuroscience and Disorders of the Nervous System

Nervous system development, homeostasis and ageing, nervous system function and dysfunction, systems neuroscience and modelling, biological basis of cognitive processes and of behaviour, neurological and mental disorders

– In humans and all other organisms

LS5_1 Neuronal cells

LS5_2 Glial cells and neuronal-glia communication

LS5_3 Neural development and related disorders

LS5_4 Neural stem cells

LS5_5 Neural networks and plasticity

LS5_6 Neurovascular biology and blood-brain barrier

LS5_7 Sensory systems, sensation and perception, including pain

LS5_8 Neural basis of behaviour (e.g. sleep, consciousness, addiction)

LS5_9 Neural basis of cognition (e.g. learning, memory, attention, emotions, speech)

LS5_10 Ageing of the nervous system

LS5_11 Neurological and neurodegenerative disorders

LS5_12 Mental disorders

LS5_13 Nervous system injuries and trauma, stroke

LS5_14 Repair and regeneration of the nervous system

LS5_15 Neuroimmunology, neuroinflammation

LS5_16 Systems and computational neuroscience (e.g. modelling, simulation, brain oscillations, connectomics)

LS5_17 Imaging in neuroscience

LS5_18 Innovative methods and tools for neuroscience

LS6 Immunity, Infection and Immunotherapy

The immune system, related disorders and their mechanisms, biology of infectious agents and infection, biological basis of prevention and treatment of infectious diseases, innovative immunological tools and approaches, including therapies

LS6_1 Innate immunity

LS6_2 Adaptive immunity

LS6_3 Regulation of the immune response

LS6_4 Immune-related diseases

LS6_5 Biology of pathogens (e.g. bacteria, viruses, parasites, fungi)

LS6_6 Infectious diseases

LS6_7 Mechanisms of infection

LS6_8 Biological basis of prevention and treatment of infection

LS6_9 Antimicrobials, antimicrobial resistance

LS6_10 Vaccine development

LS6_11 Innovative immunological tools and approaches, including therapies

LS7 Prevention, Diagnosis and Treatment of Human Diseases

Medical technologies and tools for prevention, diagnosis and treatment of human diseases, therapeutic approaches and interventions, pharmacology, preventative medicine, epidemiology and public health, digital medicine

LS7_1 Medical imaging for prevention, diagnosis and monitoring of diseases

- LS7_2 Medical technologies and tools (including genetic tools and biomarkers) for prevention, diagnosis, monitoring and treatment of diseases
- LS7_3 Nanomedicine
- LS7_4 Regenerative medicine
- LS7_5 Applied gene, cell and immune therapies
- LS7_6 Other medical therapeutic interventions, including transplantation
- LS7_7 Pharmacology and toxicology
- LS7_8 Effectiveness of interventions, including resistance to therapies
- LS7_9 Public health and epidemiology
- LS7_10 Preventative and prognostic medicine
- LS7_11 Environmental health, occupational medicine
- LS7_12 Health care, including care for the ageing population
- LS7_13 Palliative medicine
- LS7_14 Digital medicine, e-medicine, medical applications of artificial intelligence
- LS7_15 Medical ethics

LS8 Environmental Biology, Ecology and Evolution

For all organisms:

Ecology, biodiversity, environmental change, evolutionary biology, behavioural ecology, microbial ecology, marine biology, ecophysiology, theoretical developments and modelling

- LS8_1 Ecosystem and community ecology, macroecology
- LS8_2 Biodiversity
- LS8_3 Conservation biology
- LS8_4 Population biology, population dynamics, population genetics
- LS8_5 Biological aspects of environmental change, including climate change
- LS8_6 Evolutionary ecology
- LS8_7 Evolutionary genetics
- LS8_8 Phylogenetics, systematics, comparative biology
- LS8_9 Macroevolution and paleobiology
- LS8_10 Ecology and evolution of species interactions
- LS8_11 Behavioural ecology and evolution
- LS8_12 Microbial ecology and evolution
- LS8_13 Marine biology and ecology
- LS8_14 Ecophysiology, from organisms to ecosystems
- LS8_15 Theoretical developments and modelling in environmental biology, ecology, and evolution

LS9 Biotechnology and Biosystems Engineering

Biotechnology using all organisms, biotechnology for environment and food applications, applied plant and animal sciences, bioengineering and synthetic biology, biomass and biofuels, biohazards

- LS9_1 Bioengineering for synthetic and chemical biology
- LS9_2 Applied genetics, gene editing and transgenic organisms
- LS9_3 Bioengineering of cells, tissues, organs and organisms
- LS9_4 Microbial biotechnology and bioengineering
- LS9_5 Food biotechnology and bioengineering

LS9_6 Marine biotechnology and bioengineering

LS9_7 Environmental biotechnology and bioengineering

LS9_8 Applied plant sciences, plant breeding, agroecology and soil biology

LS9_9 Plant pathology and pest resistance

LS9_10 Veterinary and applied animal sciences

LS9_11 Biomass production and utilisation, biofuels LS9_12 Ecotoxicology, biohazards and biosafety

Social Sciences and Humanities

SH1 Individuals, Markets and Organisations

Economics, finance, management

- SH1_1 Macroeconomics; monetary economics; economic growth, labour economics
- SH1_2 International trade; international business; spatial economics
- SH1_3 Development economics political economics
- SH1_4 Finance; financial markets
- SH1_5 Corporate finance; international finance
- SH1_6 Banking, insurance
- SH1_7 Accounting, asset prices, auditing
- SH1_8 Econometrics, game theory, decision theory
- SH1_9 Behavioural economics; experimental economics; neuro-economics
- SH1_10 Microeconomics, industrial organisation, applied microeconomics
- SH1_11 Innovation, research & development, entrepreneurship
- SH1_12 Management; operations management, international management
- SH1_13 Human resource management; organisational behaviour
- SH1_14 Strategy, operation research
- SH1_15 Marketing, consumer behaviour
- SH1_16 Quantitative economic history, economic systems, institutional economics

SH2 Institutions, Governance and Legal Systems

Political science, international relations, law

- SH2_1 Political systems, governance
- SH2_2 Democratisation and social movements
- SH2_3 Conflict resolution, war, peace building
- SH2_4 Legal studies, comparative law, law and economics
- SH2_5 Constitutions, human rights, international law
- SH2_6 International relations, global and transnational governance
- SH2_7 Humanitarian assistance and development
- SH2_8 Political and legal philosophy
- SH2_9 Digital approaches to political science and law

SH3 The Social World and Its Interactions

Sociology, social psychology, education sciences, communication studies

- SH3_1 Social structure, social mobility, social innovation
- SH3_2 Inequalities, discrimination, prejudice
- SH3_3 Aggression and violence, antisocial behaviour, crime
- SH3_4 Social integration, exclusion, prosocial behaviour
- SH3_5 Social attitudes and beliefs
- SH3_6 Social influence; power and group behaviour
- SH3_7 Social policies, welfare, work and employment
- SH3_8 Poverty and poverty alleviation
- SH3_9 Social aspects of teaching and learning, curriculum studies, education and educational policies
- SH3_10 Communication and information, networks, media
- SH3_11 Digital social research

SH3_12 Social studies of science and technology

SH4 *The Human Mind and Its Complexity*

Cognitive science, psychology, linguistics

SH4_1 Cognitive basis of human development, developmental disorders; comparative cognition

SH4_2 Personality and social cognition; emotion

SH4_3 Clinical and health psychology

SH4_4 Neurocognitive psychology

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

SH5 *Texts and Concepts*

Literary studies, literature, philosophy

SH5_1 Classics, ancient literature

SH5_2 Theory and history of literature, comparative literature

SH5_3 Book studies

SH5_4 Philology; text and image studies

SH5_5 Palaeography and codicology

SH5_6 Philosophy of mind, philosophy of language

SH5_7 Philosophy of science, epistemology, logic

SH5_8 Metaphysics, philosophical anthropology; aesthetics

SH5_9 Ethics and its applications; social philosophy

SH5_10 History of philosophy

SH5_11 Digital humanities; digital approaches to literary studies and philosophy

SH6 *The Study of the Human Past*

Archaeology and history

SH6_1 Archaeological methods and theory, history of archaeology

SH6_2 Prehistoric archaeology, archaeology of non-literate societies

SH6_3 Archaeology of early literate societies and early civilizations

SH6_4 Medieval and post-medieval archaeologies

SH6_5 Archaeological science, bioarchaeology, environmental archaeology, geoarchaeology SH6_6
Digital, computational, virtual and geospatial archaeologies

SH6_7 Historiography, theory and methods of history, including the analysis of digital data SH6_8
Ancient history, medieval history

SH6_9 Early modern, modern, and contemporary history

SH6_10 Colonial and post-colonial history

SH6_11 Global, transnational, and comparative history

SH6_12 Social and economic history

SH6_13 Cultural history, intellectual history

SH6_14 History of science and technologies, environmental history

SH7 Human Mobility, Environment, and Space

Human geography, demography, health, sustainability science, territorial planning, spatial analysis

SH7_1 Human, economic and social geography

SH7_2 Migration

SH7_3 Population dynamics: households, family and fertility

SH7_4 Social aspects of health, ageing and society

SH7_5 Sustainability sciences, environment and resources, ecosystem services

SH7_6 Environmental and climate change, societal impact and policy

SH7_7 Cities; urban, regional and rural studies

SH7_8 Land use and planning

SH7_9 Energy, transportation and mobility

SH7_10 GIS, spatial analysis; digital geography

SH8 Studies of Cultures and Arts

Social anthropology, studies of cultures, studies of arts

SH8_1 Kinship; diversity and identities, gender, interethnic relations

SH8_2 Religious studies, ritual; symbolic representation

SH8_3 Cultural studies and theory, cultural identities and memories, cultural heritage

SH8_4 Museums, exhibitions, conservation and restoration

SH8_5 History of art and of architecture

SH8_6 Architecture, design, craft, creative industries

SH8_7 Music and musicology; history of music

SH8_8 Visual and performing arts, screen, arts-based research

SH8_9 Digital approaches to anthropology, cultural studies and art