

EVALUATION PANELS AND SCIENTIFIC AREAS

CALL FOR ADVANCED COMPUTER PROJECTS (2nd edition)

Ref.: FCT/CPCA/2021/01

When filling out the A2 application form the Scientific Area and the Scientific Sub-Area are chosen by the Responsible Investigator (IR). This choice determines the Scientific Evaluation Panel to which the project will be allocated. There will be 6 Scientific Evaluation Panels in total.

The following tables propose the set of Scientific Areas and Sub-Areas and the designation of the respective Scientific Evaluation Panels for this call edition.

The following table was based on the usual composition of FCT calls, adapted to the reality of advanced computing projects and considering similar case studies of RES - *Red Española de Supercomputación* - and PRACE - *Partnership for Advanced Computing in Europe*.

Here is a visualisation perspective of this information: "Evaluation Panels versus Scientific Sub-Areas".

- **Scientific Panels mapped with the Scientific Sub-Areas**

Panel	Scientific Area	Scientific Sub-Area
P1 - PHYSICS AND MATHEMATICS	Physics	Atomic Physics Molecular Physics Physics Chemistry Condensed Matter Physics Particle Physics Nuclear Physics Fluid and Plasma Physics Optics Acoustics Astronomy Physical - Other
	Mathematics	Pure Mathematics Applied Mathematics Statistics and Probabilities Mathematics - Other

Panel	Scientific Area	Scientific Sub-Area
P2 - CHEMISTRY AND MATERIALS	Chemistry	Organic Chemistry Inorganic Chemistry Nuclear Chemistry Physical Chemistry Polymer Science Electrochemistry Colloid Chemistry Analytical Chemistry Medicinal Chemistry Chemistry - Other
	Chemical Engineering	Chemical Engineering Chemical Process Engineering Chemical Engineering - Other
	Materials Engineering	Materials Engineering Ceramics Coatings and Films Composites Paper and Wood Textiles Nanomaterials Materials Engineering - Other
	Industrial Biotechnology	Industrial Biotechnology Bio-Processing Technologies Fermentation Bioproducts Biomaterials Bioplastics Biofuels Biocatalysis Bio-derived Chemicals New Bio-Derived Materials Industrial Biotechnology - Other
	Nanotechnology	Nanodevices Nanoprocesses Nanotechnologies - Other
	Food Engineering and Technology	Food Engineering and Technology Food Engineering and Technology - Other

Panel	Scientific Area	Scientific Sub-Area
P3 - ENGINEERING AND TECHNOLOGY	Computer and Information Sciences	Computer Science Information Sciences Computer and Information Sciences - Other
	Civil Engineering	Civil Engineering Architectural Engineering Construction Engineering Municipal Engineering Transport Engineering Structural Engineering Civil Engineering - Other
	Electrical Engineering	"Electrical and Electronic Engineering" "Robotics" "Automation and Control Systems "Communication and Systems Engineering" "Telecommunications" "Hardware and Computer Architecture" "Computing" "Electrical Engineering"
	Mechanical Engineering	Mechanical Engineering and Systems Engineering Applied Mechanics Thermodynamics Aerospace Engineering Nuclear Engineering Sound Engineering and Reliability Analysis Manufacturing Processes Mechanical Engineering - Other

Panel	Scientific Area	Scientific Sub-Area
P4 - LIFE AND HEALTH SCIENCES	Computer and Information Sciences	Bioinformatics
	Biological Sciences	Cell Biology Microbiology Virology Biochemistry Molecular Biology Biochemical Research Methods Mycology Biophysics Genetics and Heredity Biology of Reproduction Developmental Biology Botany Zoology Ornithology Entomology Marine Biology Ecology Biodiversity Conservation Mammology Herpetology Ictology Behavioural Biology Aquaculture Freshwater Biology Limnology Evolutionary Biology Biological Sciences - Other Experimental Biology and Biochemistry - Other
	Medical Engineering	Medical Engineering and Biomedical Engineering Laboratory Technology Medical Engineering - Other
	Basic Medicine	Biomedicine Human Genetics Immunology Neurosciences Anatomy and Histology Pharmacology Toxicology Physiology Pathology Biopharmaceuticals

		Basic Medicine - Other
	Clinical Medicine	Andrology Obstetrics and Gynaecology Paediatrics Cardiac and Cardiovascular System Haematology Respiratory System
	Health Sciences	Infectious Diseases
	Clinical Medicine	Intensive Care Medicine and Emergency Medicine Anaesthesiology Orthopaedics Surgery Radiology Transplants Oral Medicine and Surgery Dermatology Allergology Rheumatology Endocrinology and Metabolism Gastroenterology and Hepatology Urology and Nephrology Oncology Ophthalmology Otolaryngology Psychiatry Clinical Neurology Geriatrics and Gerontology General Practice/Family Medicine Internal Medicine Complementary and Integrative Medicine Stomatology Clinical Medicine - Other
	Health Sciences	Health Care and Services Health Services and Policies Nursing Nutrition Public Health and Environmental Health Tropical Medicine Parasitology Medicine at work Epidemiology Occupational Health Sports Sciences Biomedical Social Sciences Bioethics and History and Philosophy of Medicine Alcohol and Other Substance Addiction

		Health Sciences - Other
	Medical Biotechnology	Biotechnology applied to Health Technologies - Cell Manipulation Diagnostic and Genetic-based Therapies Ethics Related to Medical Biotechnology Medical Biotechnology - Other
	Forensic Sciences	Forensic Chemistry and Biochemistry Forensic Sciences - Other

Panel	Scientific Area	Scientific Sub-Area
P5 - EARTH AND ENVIRONMENTAL SCIENCES	Earth and Environmental Sciences	Mineralogy Palaeontology Geochemistry Geophysics Physical Geography Geology Volcanology Meteorology Atmospheric Sciences Climate Research Oceanography Hydrology Water resources Earth Sciences - Other Natural Resources and Sustainability Monitoring and Environmental Impact Environmental Management Ecotoxicology Waste Management and Recovery Climate Change Atmosphere and pollution Water and Pollution Environmental Sciences
	Other Natural Sciences	Environmental Sciences - Other Review
	Environmental Engineering	Environmental Engineering Geological Engineering Geotechnics Petroleum Engineering Remote Sensing Mining and Mineral Processes Marine Engineering

		Naval Engineering Oceanographic Engineering Environmental Engineering - Other
	Environmental Biotechnology	Bioremediation Diagnostic Biotechnologies in Environmental Management Ethics of Environmental Biotechnology Environmental Biotechnology - Other
	Agriculture	"Agriculture" "Forestry" "Fisheries" "Soil Science" "Horticulture" "Agronomy" "Viticulture" "Plant Production" "Plant Protection" "Agriculture"
	Animal and Dairy Science	Zootechnics and Dairy Science Animal Production Pets Animal and Dairy Science - Other
	Veterinary Sciences	Veterinary Sciences Veterinary Sciences - Other
	Agricultural Biotechnology	Agricultural Biotechnology and Food Biotechnology Selection based on Molecular Markers Cloning of Domestic Animals Selection Based on Molecular Markers Diagnosis Biomass Production Technologies Ethics Related to Agricultural Biotechnology Agricultural Biotechnology - Other
	Other Agricultural Sciences	Agriculture

Panel	Scientific Area	Scientific Sub-Area
P6 - SOCIAL AND ECONOMIC SCIENCES	Psychology	Criminal Psychology Social and Organisational Psychology Cognitive Psychology and Neuropsychology Clinical Psychology Psychology of Development and Learning Educational Psychology Community and Health Psychology

	Psychology - Other
Economics and Management	Economy Management Economics and Management - Other
Education Sciences	General Education (includes Training Education Sciences - Other
Sociology	Sociology Sociological Criminology Anthropology Sociology - Other Social Service Anthropology - Other
Law	Public Law Criminal Law Private Law European and International Law Human Rights Law Law - Other
Political Sciences	Political Science Military Sciences Comparative politics Political Theory International Relations Public Policies European Studies Political Science - Other
Economic and Social Geography	Geographical Urbanism Economic and Social Geography - Other
Communication Sciences	Documentary and Information Sciences Information Sciences (social aspects) Journalism and Media Science Communication and Management Communication and Information Sciences - Other
Other Social Sciences	Communication and Information Sciences - Other
History and Archaeology	Prehistory and Archaeology Ancient History Medieval History Modern History Contemporary History History of Science and Technology History and Archaeology - Other
Languages and Literatures	Literature Portuguese Studies

		<p>Romance Studies English Studies Classical Studies Linguistics Germanic Studies Asian and African Studies Literary Studies and Cultural Studies - Other Linguistics - Other</p>
	Philosophy	<p>"Epistemology in Philosophy of Science" "Metaphysics and Philosophical Anthropology" "Philosophy of Art" "Logic" "History of Philosophy" "Ethics and Political Philosophy" "Theology and Philosophy of Religion" "Philosophy"</p>
	Arts	<p>Fine Arts History of Art Musicology Visual and Performing Arts (Cinema Conservation and Restoration Museology Architecture and Urbanism Spatial Planning Design Arts - Other Museology and Art History - Other Design</p>
	Other Humanities	<p>History and Archaeology - Other</p>