

Scientific disciplines (Frascati manual)					
N.	Scientific discipline	N.2	FIELDS OF RESEARCH AND DEVELOPMENT (FORD)	N.3	DETAILED FORD
10000	1. Natural Sciences	10100	1.1 Mathematics	10101	Pure mathematics
				10102	Applied mathematics
				10103	Statistics and probability
		10200	1.2 Computer and information sciences	10201	Computer sciences, information science, bioinformatics (hardware development to be 2.2, social aspect to be 5.8)
				10301	Atomic, molecular and chemical physics (physics of atoms and molecules including collision, interaction with radiation, magnetic resonances, Mössbauer effect)
		10300	1.3 Physical sciences	10302	Condensed matter physics (including formerly solid state physics, supercond.)
				10303	Particles and field physics
				10304	Nuclear physics
				10305	Fluids and plasma physics (including surface physics)
				10306	Optics (including laser optics and quantum optics)
				10307	Acoustics
				10308	Astronomy (including astrophysics, space science)
				10400	1.4 Chemical sciences
		10402	Inorganic and nuclear chemistry		
		10403	Physical chemistry		
		10404	Polymer science		
		10405	Electrochemistry (dry cells, batteries, fuel cells, corrosion metals, electrolysis)		
		10406	Analytical chemistry		
		10500	1.5 Earth and related environmental sciences	10501	Hydrology
				10502	Oceanography
				10503	Water resources
				10504	Mineralogy
				10505	Geology
				10506	Paleontology
				10507	Volcanology
				10508	Physical geography
				10509	Meteorology and atmospheric sciences
				10510	Climatic research
				10511	Environmental sciences (social aspects to be 5.7)
		10600	1.6 Biological sciences	10601	Cell biology
				10602	Biology (theoretical, mathematical, thermal, cryobiology, biological rhythm), Evolutionary biology
10603	Genetics and heredity (medical genetics to be 3)				
10604	Reproductive biology (medical aspects to be 3)				
10605	Developmental biology				
10606	Microbiology				
10607	Virology				
10608	Biochemistry and molecular biology				
10609	Biochemical research methods				
10610	Biophysics				
10611	Plant sciences, botany				
10612	Mycology				
10613	Zoology				
10614	Behavioral sciences biology				
10615	Ornithology				
10616	Entomology				
10617	Marine biology, freshwater biology, limnology				
10618	Ecology				
10619	Biodiversity conservation				
10620	Other biological topics				
10700	1.7 Other natural sciences				

Scientific disciplines (Frascati manual)					
N.	Scientific discipline	N.2	FIELDS OF RESEARCH AND DEVELOPMENT (FORD)	N.3	DETAILED FORD
20000	2. Engineering and Technology	20100	2.1 Civil engineering	20101	Civil engineering
				20102	Construction engineering, Municipal and structural engineering
				20103	Architecture engineering
				20104	Transport engineering
		20200	2.2 Electrical engineering, Electronic engineering, Information engineering	20201	Electrical and electronic engineering
				20202	Communication engineering and systems
				20203	Telecommunications
				20204	Robotics and automatic control
				20205	Automation and control systems
				20206	Computer hardware and architecture
		20300	2.3 Mechanical engineering	20301	Mechanical engineering
				20302	Applied mechanics
				20303	Thermodynamics
				20304	Aerospace engineering
				20305	Nuclear related engineering; (nuclear physics to be 1.3);
				20306	Audio engineering, reliability analysis
		20400	2.4 Chemical engineering	20401	Chemical engineering (plants, products)
		20500	2.5 Materials engineering	20402	Chemical process engineering
				20501	Materials engineering
				20502	Paper and wood
				20503	Textiles; including synthetic dyes, colours, fibres (nanoscale materials to be 2.10; biomaterials to be 2.9)
				20504	Ceramics
				20505	Composites (including laminates, reinforced plastics, cermets, combined natural and synthetic fibre fabrics; filled composites)
		20600	2.6 Medical engineering	20506	Coating and films
				20601	Medical engineering
		20700	2.7 Environmental engineering	20602	Medical laboratory technology (including laboratory samples analysis; diagnostic technologies) (Biomaterials to be 2.9 [physical characteristics of living material as related to medical implants, devices, sensors])
				20701	Environmental and geological engineering, geotechnics
				20702	Petroleum engineering (fuel, oils)
				20703	Mining and mineral processing
				20704	Energy and fuels
				20705	Remote sensing
				20706	Marine engineering, sea vessels
20800	2.8 Environmental biotechnology	20707	Ocean engineering		
		20801	Environmental biotechnology		
		20802	Bioremediation, diagnostic biotechnologies (DNA chips and biosensing devices) in environmental management		
20900	2.9 Industrial biotechnology	20803	Environmental biotechnology related ethics		
		20901	Industrial biotechnology		
		20902	Bioprocessing technologies (industrial processes relying on biological agents to drive the process) biocatalysis, fermentation		
21000	2.10 Nano-technology	20903	Bioproducts (products that are manufactured using biological material as feedstock) biomaterials, bioplastics, biofuels, bioderived bulk and fine chemicals, bio-derived novel materials		
		21001	Nano-materials (production and properties)		
21100	2.11 Other engineering and technologies	21002	Nano-processes (applications on nano-scale); (biomaterials to be 2.9)		
		21101	Food and beverages		

Scientific disciplines (Frascati manual)							
N.	Scientific discipline	N.2	FIELDS OF RESEARCH AND DEVELOPMENT (FORD)	N.3	DETAILED FORD		
30000	3. Medical and Health Sciences	30100	3.1 Basic medicine	30101	Human genetics		
				30102	Immunology		
				30103	Neurosciences (including psychophysiology)		
				30104	Pharmacology and pharmacy		
				30105	Physiology (including cytology)		
				30106	Anatomy and morphology (plant science to be 1.6)		
				30107	Medicinal chemistry		
				30108	Toxicology		
				30109	Pathology		
		30200	3.2 Clinical medicine	30201	3.2 Clinical medicine	30201	Cardiac and Cardiovascular systems
						30202	Endocrinology and metabolism (including diabetes, hormones)
						30203	Respiratory systems
						30204	Oncology
						30205	Hematology
						30206	Otorhinolaryngology
						30207	Ophthalmology
						30208	Dentistry, oral surgery and medicine
						30209	Paediatrics
						30210	Clinical neurology
						30211	Orthopaedics
						30212	Surgery
						30213	Transplantation
						30214	Obstetrics and gynaecology
						30215	Psychiatry
						30216	Dermatology and venereal diseases
						30217	Urology and nephrology
						30218	General and internal medicine
						30219	Gastroenterology and hepatology
						30220	Andrology
						30221	Critical care medicine and Emergency medicine
		30223	Anaesthesiology				
		30224	Radiology, nuclear medicine and medical imaging				
		30225	Allergy				
		30226	Rheumatology				
		30227	Geriatrics and gerontology				
		30229	Integrative and complementary medicine (alternative practice systems)				
		30230	Other clinical medicine subjects				
		30300	3.3 Health sciences	30301	3.3 Health sciences	30301	Social biomedical sciences (includes family planning, sexual health, psycho-oncology, political and social effects of biomedical research)
						30302	Epidemiology
						30303	Infectious Diseases
						30304	Public and environmental health
						30305	Occupational health
						30306	Sport and fitness sciences
						30307	Nursing
						30308	Nutrition, Dietetics
						30309	Tropical medicine
						30310	Parasitology
30311	Medical ethics						
30312	Substance abuse						
30400	3.4 Medical biotechnology	30401	3.4 Medical biotechnology	30401	Health-related biotechnology		
				30402	Technologies involving the manipulation of cells, tissues, organs or the whole organism (assisted reproduction)		
				30403	Technologies involving identifying the functioning of DNA, proteins and enzymes and how they influence the onset of disease and maintenance of well-being (gene-based diagnostics and therapeutic interventions [pharmacogenomics, gene-based therapeutics])		
				30404	Biomaterials (as related to medical implants, devices, sensors)		
30405	Medical biotechnology related ethics						
30500	3.5 Other medical sciences	30501	3.5 Other medical sciences	30501	Forensic science		
				30502	Other medical science		

Scientific disciplines (Frascati manual)					
N.	Scientific discipline	N.2	FIELDS OF RESEARCH AND DEVELOPMENT (FORD)	N.3	DETAILED FORD
40000	4. Agricultural and veterinary sciences	40100	4.1 Agriculture, Forestry, and Fisheries	40101	Agriculture
				40102	Forestry
				40103	Fishery
				40104	Soil science
				40105	Horticulture, viticulture
				40106	Agronomy, plant breeding and plant protection; (Agricultural biotechnology to be 4.4)
		40200	4.2 Animal and Dairy science	40201	Animal and dairy science; (Animal biotechnology to be 4.4)
				40202	Pets
		40300	4.3 Veterinary science	40203	Husbandry
				40301	Veterinary science
		40400	4.4 Agricultural biotechnology	40401	Agricultural biotechnology and food biotechnology
				40402	GM technology (crops and livestock), livestock cloning, marker assisted selection, diagnostics (DNA chips and biosensing devices for the early/accurate detection of diseases) biomass feedstock production technologies, biopharming
				40403	Agricultural biotechnology related ethics
40500	4.5 Other agricultural sciences				
50000	5. Social Sciences	50100	5.1 Psychology and cognitive sciences	50101	Psychology (including human - machine relations)
				50102	Psychology, special (including therapy for learning, speech, hearing, visual and other physical and mental disabilities);
				50103	Cognitive sciences
		50200	5.2 Economics and Business	50201	Economic Theory
				50202	Applied Economics, Econometrics
				50203	Industrial relations
				50204	Business and management
				50205	Accounting
				50206	Finance
		50300	5.3 Education	50301	Education, general; including training, pedagogy, didactics [and education systems]
				50302	Education, special (to gifted persons, those with learning disabilities)
		50400	5.4 Sociology	50401	Sociology
				50402	Demography
				50403	Social topics (Women's and gender studies; Social issues; Family studies; Social work)
				50404	Anthropology, ethnology
		50500	5.5 Law	50501	Law
				50502	Criminology, penology
		50600	5.6 Political science	50601	Political science
				50602	Public administration
				50603	Organisation theory
		50700	5.7 Social and economic geography	50701	Cultural and economic geography
				50702	Urban studies (planning and development)
				50703	Transport planning and social aspects of transport (transport engineering to be 2.1)
				50704	Environmental sciences (social aspects)
		50800	5.8 Media and communications	50801	Journalism
				50802	Media and socio-cultural communication
				50803	Information science (social aspects)
50804	Library science				
50900	5.9 Other social sciences	50901	Other social sciences		
		50902	Social sciences, interdisciplinary		

Scientific disciplines (Frascati manual)					
N.	Scientific discipline	N.2	FIELDS OF RESEARCH AND DEVELOPMENT (FORD)	N.3	DETAILED FORD
60000	6. Humanities and the Arts	60100	6.1 History and Archaeology	60101	History (history of science and technology to be 6.3, history of specific sciences to be under the respective headings)
				60102	Archaeology
		60200	6.2 Languages and Literature	60201	General language studies
				60202	Specific languages
				60203	Linguistics
				60204	General literature studies
				60205	Literary theory
				60206	Specific literatures
		60300	6.3 Philosophy, Ethics and Religion	60301	Philosophy, History and Philosophy of science and technology
				60302	Ethics (except ethics related to specific subfields)
				60303	Theology
				60304	Religious studies
		60400	6.4 Arts (arts, history of arts, performing arts, music)	60401	Arts, Art history
				60402	Architectural design
				60403	Performing arts studies (Musicology, Theater science, Dramaturgy)
				60404	Folklore studies
				60405	Studies on Film, Radio and Television
60500	6.5 Other Humanities and the Arts				

Note: Generally, if no corresponding code is found at the DETAILED FORD level, the code one level higher, i.e. FORD, is used (typically applies to all "others").