

## Centros de Excelencia Severo Ochoa y Unidades de Excelencia María de Maeztu 2014

ÁREA: CIENCIAS DE LA VIDA						
Subárea científica	Categoría científica	2008	2009	2010	2011	2012
Agricultural and Biological Sciences	Agronomy and Crop Science	7,45	6,1	4,42	2,87	1,41
	Animal Science and Zoology	7,55	6,24	4,52	2,95	1,3
	Aquatic Science	11,83	9,31	6,95	4,45	2,16
	Ecology, Evolution, Behavior and Systematics	12,73	10,38	7,81	5,25	2,48
	Food Science	11,37	8,92	6,35	4,1	1,93
	Forestry	9,83	8,09	5,86	4,1	2,04
	Horticulture	5,86	4,36	3,11	2,32	0,92
	Insect Science	7,99	6,53	5,16	3,14	1,44
	Plant Science	11,88	9,85	7,13	4,51	2,23
	Soil Science	12,01	9,2	6,88	4,13	2,13
Veterinary	Equine	8,6	7,19	4,84	3,59	1,64
	Food Animals	8,35	6,43	4,82	3,1	1,28
	Small Animals	5,85	5,29	3,87	2,22	1,04
Environmental Science	Ecological Modeling	17,44	12,91	10,52	6,76	3,38
	Ecology	12,28	9,7	7,47	4,81	2,39
	Environmental Chemistry	17,78	14,8	10,67	7,37	3,6
	Environmental Engineering	12,52	10,54	6,94	3,8	1,97
	Global and Planetary Change	19,89	14,83	9,73	6,92	3,28
	Health, Toxicology and Mutagenesis	14,88	13,1	9,24	5,79	2,67
	Management, Monitoring, Policy and Law	9,65	7,85	5,94	3,63	1,72
	Nature and Landscape Conservation	11,08	8,44	7,02	3,87	1,86
	Pollution	10,52	9,88	7,92	5,02	2,69
	Waste Management and Disposal	14,88	12,62	9,13	5,78	2,72
Water Science and Technology	9,11	7,48	5,65	3,77	1,87	

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Subárea científica	Categoría científica	2008	2009	2010	2011	2012
Biochemistry, Genetics and Molecular Biology	Aging	16,72	14,12	12,01	7,28	3,84
	Biochemistry	19,83	16,69	12,44	8,1	4,11
	Biophysics	15,53	12,81	10,28	6,26	3,2
	Biotechnology	14,02	10,49	8,93	5,77	2,78
	Cancer Research	24,37	19,29	13,97	9	4,36
	Cell Biology	25,49	21,13	15,23	9,89	4,86
	Clinical Biochemistry	12,69	11,06	8,43	5,56	2,93
	Developmental Biology	22,39	18,54	13,82	8,94	4,33
	Endocrinology	17,55	14,92	11,22	7,14	3,57
	Genetics	20,74	17,08	12,31	8,19	3,99
	Molecular Biology	21,86	17,64	12,99	8,41	4,11
	Molecular Medicine	20,34	16,05	12,54	8,14	3,96
	Physiology	18,43	15,54	11,58	7,44	3,64
	Structural Biology	17,53	15,62	13,19	7,46	3,46
Immunology and Microbiology	Applied Microbiology and Biotechnology	12,46	9,47	7,07	4,41	2,29
	Immunology	25,09	21,02	15,65	10,29	4,86
	Microbiology	16,56	13,61	10,03	6,26	3,35
	Parasitology	14,4	12,95	9,52	5,91	2,92
	Virology	17,6	15,65	11,89	7,68	3,84
Medicine	Anatomy	10,36	9,97	6,52	3,91	1,89
	Anesthesiology and Pain Medicine	11,9	10,44	7,27	4,77	2,46
	Biochemistry (medical)	13,97	12,34	9,27	5,97	3,04
	Cardiology and Cardiovascular Medicine	16,15	13,32	10,26	6,84	3,54
	Critical Care and Intensive Care Medicine	16,56	12,19	10,13	6,5	3,44
	Dermatology	9,23	7,26	5,44	3,58	1,79
	Embryology	10,31	9,32	7,75	4,59	2,09
	Emergency Medicine	6,93	5,7	4,54	2,79	1,4
	Endocrinology, Diabetes and Metabolism	18,6	15,55	11,61	7,49	3,78

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Subárea científica	Categoría científica	2008	2009	2010	2011	2012
Medicine	Epidemiology	18,81	15,53	11,17	7,39	3,16
	Family Practice	5,8	4,81	3,57	2,48	1,31
	Gastroenterology	13	10,95	8,42	5,8	2,95
	Genetics (clinical)	22,78	20,04	14,15	9,64	4,6
	Geriatrics and Gerontology	12,58	10,18	8,27	5,32	2,55
	Health Informatics	5,4	4,44	2,33	1,53	1,08
	Health Policy	8,49	6,92	4,92	3,48	1,72
	Hematology	18,42	15,66	11,92	8,24	4,17
	Hepatology	17,87	15,16	11,88	7,68	3,95
	Histology	11,63	8,24	6,33	4,33	2,25
	Immunology and Allergy	21,35	18,44	13,75	8,97	4,33
	Infectious Diseases	17,26	14,04	10,42	6,65	3,39
	Internal Medicine	18,51	15,32	11,06	7	3,68
	Microbiology (medical)	15,95	13,13	9,73	6,68	3,24
	Nephrology	13,82	12,33	9,19	6,34	3,12
	Neurology (clinical)	15,27	12,69	9,39	6,11	2,96
	Obstetrics and Gynecology	11,12	9,08	7,02	4,51	2,13
	Oncology	19,92	16,33	12,07	7,87	3,86
	Ophthalmology	10,09	8,24	5,62	3,99	1,91
	Orthopedics and Sports Medicine	10,08	8,39	6,23	4,04	1,82
	Otorhinolaryngology	7,54	6,05	4,33	2,65	1,26
	Pathology and Forensic Medicine	11,07	8,85	6,95	4,39	2,18
	Pediatrics, Perinatology and Child Health	9,78	8,01	5,8	3,7	1,72
Pharmacology (medical)	13,28	10,97	8,54	5,13	2,7	
Physiology (medical)	20,04	16,14	12,12	7,88	3,82	

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Subárea científica	Categoría científica	2008	2009	2010	2011	2012
Medicine	Psychiatry and Mental Health	14,61	11,65	8,74	5,36	2,51
	Public Health, Environmental and Occupational Health	9,88	8,31	6,06	3,86	1,74
	Pulmonary and Respiratory Medicine	14,59	10,83	8,37	5,79	3,16
	Radiology, Nuclear Medicine and Imaging	11,17	9,29	6,89	4,45	2,09
	Rehabilitation	10,63	8,11	5,92	3,54	1,51
	Reproductive Medicine	12,9	10,81	8,66	5,48	2,61
	Rheumatology	18,54	15,08	11,77	7,74	3,7
	Surgery	9,82	7,94	5,73	3,69	1,77
	Transplantation	14,89	12,24	9,47	6,4	3,14
	Urology	11,43	9,07	7,27	5,05	2,35
Neuroscience	Behavioral Neuroscience	18,76	14,73	10,88	6,98	3,31
	Biological Psychiatry	20,74	17,72	12,89	8,35	3,7
	Cellular and Molecular Neuroscience	20,69	17,26	12,47	8,62	4,29
	Cognitive Neuroscience	24,88	20,29	14,74	9,01	4,47
	Developmental Neuroscience	14,44	12,46	9,87	6,77	3,35
	Endocrine and Autonomic Systems	18,93	15,85	11,05	7,22	3,92
	Neurology	17,46	14,24	11,03	7,32	3,69
	Sensory Systems	13,53	11,3	7,89	5,75	2,6
Pharmacology, Toxicology and Pharmaceutics	Drug Discovery	14,51	11,86	8,89	5,59	2,94
	Pharmaceutical Science	12,55	10,23	7,22	4,29	2,22
	Pharmacology	15,32	12,1	9,19	5,8	2,97
	Toxicology	15,72	12,45	8,91	5,91	2,9

## Centros de Excelencia Severo Ochoa y Unidades de Excelencia María de Maeztu 2014

### AREA: MATEMÁTICAS, CIENCIAS EXPERIMENTALES E INGENIERIAS

Subárea científica	Categoría científica	2008	2009	2010	2011	2012
Earth and Planetary Sciences	Atmospheric Science	14,66	12,07	9,07	6,32	3,16
	Computers in Earth Sciences	11,71	9,8	7,31	4,55	2,69
	Earth-Surface Processes	11,5	9,25	6,77	4,28	2,27
	Economic Geology	5,62	5,61	3,98	3	1,47
	Geochemistry and Petrology	11,35	9	6,05	4,07	2,13
	Geology	9,02	6,98	4,51	3,72	1,74
	Geophysics	11,89	8,55	7,05	4,4	2,5
	Geotechnical Engineering and Engineering Geology	3,37	2,55	2,03	1,36	0,7
	Oceanography	11,63	9,31	6,75	4,83	2,32
	Paleontology	13,09	10,34	7,83	5,27	2,71
	Space and Planetary Science	14,23	12,22	10,01	6,51	3,59
	Stratigraphy	10,33	8,88	6,23	4,52	2,38
Energy	Energy Engineering and Power Technology	5,6	4,63	3,76	2,66	1,31
	Fuel Technology	6,76	6,66	5,11	3,55	1,63
	Nuclear Energy and Engineering	4,41	4,55	3,97	3,78	1,78
	Renewable Energy, Sustainability and the Environment	14,09	10,15	8,81	5,89	3,04
Computer Science	Artificial Intelligence	4,65	3,55	2,81	2,16	1,05
	Computational Theory and Mathematics	6,32	3,46	2,67	2,62	1,53
	Computer Graphics and Computer-Aided Design	4,67	3,48	2,76	1,8	0,99
	Computer Networks and Communications	3,24	2,39	1,83	1,22	0,62
	Computer Science Applications	5,25	4,55	3,61	2,62	1,27
	Computer Vision and Pattern Recognition	4,31	3,26	2,74	1,65	0,81
	Hardware and Architecture	3,93	2,81	2,16	1,69	0,94
	Human-Computer Interaction	4,89	3,75	2,71	1,64	0,78
	Information Systems	5,07	3,3	2,16	1,72	0,8
	Signal Processing	5,43	3,73	3,11	1,93	0,98
	Software	5,33	3,68	3,94	2,84	1,2

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### AREA: MATEMÁTICAS, CIENCIAS EXPERIMENTALES E INGENIERIAS

Subárea científica	Categoría científica	2008	2009	2010	2011	2012
Engineering	Aerospace Engineering	2,71	2,86	2,06	1,58	0,72
	Automotive Engineering	0,94	0,92	0,54	0,42	0,2
	Biomedical Engineering	2,05	3,34	3,01	1,65	0,82
	Civil and Structural Engineering	9,48	6,84	5,69	3,74	1,98
	Computational Mechanics	3,42	3,43	2,39	1,88	0,91
	Control and Systems Engineering	4,7	4,3	3,43	2,16	1,09
	Electrical and Electronic Engineering	4,96	3,96	4,47	2,81	1,32
	Industrial and Manufacturing Engineering	4,17	3,91	2,63	1,79	0,91
	Mechanical Engineering	4,76	4,09	3,42	2,26	1,21
	Mechanics of Materials	4,79	4,23	3,3	2,05	1,12
	Ocean Engineering	6,7	6,12	4,47	2,94	1,54
	Safety, Risk, Reliability and Quality	8,5	7,47	5,49	3,68	1,86
	Media Technology	1,8	1,36	1,12	1,08	0,57
	Building and Construction	3,38	2,87	1,84	1,33	0,92
	Architecture	3,92	3,44	2,3	1,47	0,81
Chemical Engineering	Bioengineering	21,47	14,17	12,48	7,53	3,91
	Catalysis	31,56	25,7	20,19	14,08	7,12
	Chemical Health and Safety	8,42	2,05	2,11	2,09	1,78
	Colloid and Surface Chemistry	32,87	28,62	22,15	15,71	8,45
	Filtration and Separation	17,37	13,46	9,85	6,75	3,32
	Fluid Flow and Transfer Processes	7,29	4,1	2,55	1,92	1,23
	Process Chemistry and Technology	9,68	6,86	5,98	4,3	2,32
Chemistry	Analytical Chemistry	14,85	12,58	9,68	6,13	3,04
	Electrochemistry	19,29	16,68	12,54	7,99	3,98
	Inorganic Chemistry	12,26	10,56	8,37	5,6	3,14
	Organic Chemistry	14,6	12,22	9,51	6,4	3,31
	Physical and Theoretical Chemistry	14,39	12,3	9,6	6,67	3,39
	Spectroscopy	13,99	11,99	9,4	5,81	3

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Subárea científica	Categoría científica	2008	2009	2010	2011	2012
Materials Science	Biomaterials	14,6	16,74	13,28	8,13	4,27
	Ceramics and Composites	12,09	11,17	9,29	6,58	3,18
	Electronic, Optical and Magnetic Materials	8,17	6,84	6,16	4,12	2,16
	Materials Chemistry	10,49	9,1	7,34	5,28	2,68
	Metals and Alloys	7,95	7,06	5,83	4,42	2,14
	Polymers and Plastics	25,28	21,99	17,82	10,73	5,51
	Surfaces, Coatings and Films	10,35	8,55	6,89	4,49	2,33
	Nanoscience and Nanotechnology	12,47	11,22	8,67	6,27	3,12
Mathematics	Algebra and Number Theory	4,01	3,29	2,31	1,47	0,76
	Analysis	6,69	5,32	3,73	2,32	1,25
	Applied Mathematics	5,82	4,91	3,65	2,34	1,18
	Computational Mathematics	10,07	7,62	5,91	3,57	1,83
	Control and Optimization	5,64	4,44	3,37	1,97	0,89
	Discrete Mathematics and Combinatorics	4,21	3,51	2,73	1,57	0,92
	Geometry and Topology	4,66	3,77	2,71	1,77	0,92
	Logic	6,37	5,15	3,54	2,3	0,65
	Mathematical Physics	6,31	5,4	3,8	2,75	1,37
	Modeling and Simulation	6,35	5,46	4,3	2,69	1,27
	Numerical Analysis	7,28	7,55	5,08	3,5	1,61
	Statistics and Probability	9,15	7,89	5,48	3,35	1,61
	Theoretical Computer Science	4,13	3,24	2,23	1,75	0,8

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Subárea científica	Categoría científica	2008	2009	2010	2011	2012
Physics and Astronomy	Acoustics and Ultrasonics	5,12	4,27	2,71	2,1	0,9
	Astronomy and Astrophysics	14,66	13,42	9,8	6,44	3,81
	Condensed Matter Physics	9,4	6,7	5,77	3,49	2,2
	Instrumentation	8,62	7,35	5,84	3,76	2,02
	Nuclear and High Energy Physics	6,71	4,13	3,46	2,1	1,43
	Atomic and Molecular Physics, and Optics	8,65	7,72	5,52	4,14	3,03
	Radiation	6,94	6,38	3,74	3,55	1,6
	Statistical and Nonlinear Physics	7,37	6,17	4,71	3,41	1,86
	Surfaces and Interfaces	12,04	10,52	7,7	4,64	2,66



## Centros de Excelencia Severo Ochoa y Unidades de Excelencia María de Maeztu 2014

ÁREA: CIENCIAS SOCIALES Y HUMANAS						
Subárea científica	Categoría científica	2008	2009	2010	2011	2012
Economics, Econometrics and Finance	Economics and Econometrics	8,83	6,34	4,12	2,44	1,06
	Finance	8,87	6,21	4,33	2,02	1,11
Decision Sciences	Information Systems and Management	6,8	4,37	3,18	2,54	1,53
	Management Science and Operations Research	11,26	6,31	4,7	3,09	1,63
	Statistics, Probability and Uncertainty	7,17	5,41	4,24	2,47	0,99
Social Sciences	Anthropology	6,15	4,75	3,38	1,81	0,9
	Archeology	5,78	4,48	3,63	2,13	1,05
	Communication	6,71	4,97	3,08	1,83	0,74
	Cultural Studies	2,05	1,57	1,18	0,69	0,31
	Demography	8,13	5,73	4,4	2,24	1,11
	Development	6,37	4,55	3,74	2,34	1,05
	Education	5,99	4,56	3,02	1,84	0,8
	Gender Studies	4,93	3,85	2,61	1,51	0,68
	Geography, Planning and Development	5,08	4,52	3,49	2,08	1,03
	Health (social science)	8,7	7,68	5,27	3,09	1,28
	Human Factors and Ergonomics	7,07	4,99	3,97	2,44	1,08
	Law	4,82	4,06	2,71	1,8	0,9
	Library and Information Sciences	6,51	4,69	3,82	2,49	1,08
	Life-span and Life-course Studies	11,17	8,83	5,22	2,96	1,54
	Linguistics and Language	6,69	4,71	3,36	1,85	0,76
	Political Science and International Relations	3,48	2,78	1,98	1,23	0,6
	Public Administration	5,78	3,54	2,6	1,84	0,84
	Safety Research	3,42	2,72	2,25	1,63	0,96
	Sociology and Political Science	6,2	4,68	3,16	1,77	0,83
	Transportation	4,23	3,11	3,39	1,28	0,82
Urban Studies	5,75	4,47	3,16	1,64	0,77	