CSIC Institute/Centre	Scientific Areas	Web Site
AGROBIOTECHNOLOGY INSTITUTE	Agricultural Sciences	http://idab.es/
The Agrobiotechnology Institute (IDAB) is a joint research institute of CSIC and the gove	-	<u> </u>
	chnology tools known as agrobiotechnology.	neuge to meet social demands in areas of
ALBERTO SOLS BIOMEDICAL RESEARCH INSTITUTE	Biology and Biomedicine	http://www.iib.csic.es/
The Alberto Sols Biomedical Research Institute (IIBM) is a joint centre run by CSIC and the areas: pathophysiology, metabo	Autonomous University of Madrid (UAM). Its scientific a plism and cell signalling and cancer biology	ms are distributed across the three research
ANDALUSIAN CENTRE FOR DEVELOPMENTAL BIOLOGY	Biology and Biomedicine	http://www.cabd.es/
The Andalusian Centre for Developmental Biology (CABD) is a research institute jointly fund in developmental biology studying the control of cell cycle in yeast,		
ANDALUSIAN EARTH SCIENCES INSTITUTE	Natural Resources	http://www.iact.csic.es/
The Andalusian Earth Sciences Institute is a joint research institute which belongs to CSIC a Earth Sciences (geology, geophysics, geo	and the University of Granada. It contributes to promote ochemistry) as well as training of research personnel.	and develop research activities in the field of
ANDALUSIAN MOLECULAR BIOLOGY AND REGENERATIVE MEDICINE CENTRE	Biology and Biomedicine	http://www.cabimer.es/
The Andalusian Molecular Biology and Regenerative Medicine Centre (CAMBIMER) is a res Pablo Olavide University and the Andalusian Public Foundation for Progress and Heal regenerative medicine and the tre		
ARAGÓN MATERIALS SCIENCE INSTITUTE	Materials Science and Technology	http://www.icma.unizar-csic.es/
The Aragón Materials Science Institute (ICMA) is a joint research institute of CSIC and the scientific and technical knowledge i	e University of Zaragoza. The fundamental objective of IC in the area of material science and technology.	MA is to contribute to the advancement of
ARCHAEOLOGY INSTITUTE OF MERIDA	Humanities and Social Sciences	http://www.iam.csic.es/
The Archaeology Institute of Merida (IAM) is a joint institute of CSIC and the government or recovery of the archae	of Extremadura. It is aimed to promote and develop arch eological heritage of Extremadura.	aeology research on results derived from the
BIOLOGICAL MISSION OF GALICIA	Agricultural Sciences	http://www.mbg.csic.es/
The Biological Mission of Galicia (MBG) is a CSIC research centre whose aim is the study of sustainable agriculture and forestry. Research is done on the main crops of the region characterization of plants' genetic resou	=	
BIOLOGICAL RESEARCH CENTER	Biology and Biomedicine / Agricultural Sciences	http://www.cib.csic.es/
The Biological Research Centre (CIB) is a CSIC research centre. It is oriented to multidiscipli approaches to advance understanding of fundamental biological processes and to pro		
BIOPHYSICS UNIT	Biology and Biomedicine	http://biofisika.org/
Biofisika (IBF) is a joint research institute between CSIC and the University of the Basque productive and	e Country. It serves as a channel for bringing the interests d service sectors of society.	of basic biophysics research closer to the
BOTANICAL INSTITUTE OF BARCELONA	Natural Resources	http://www.institutbotanic.bcn.es/
The Botanical Institute of Barcelona (IBB) is a joint venture between CSIC and the Barce problems in the	elona City Council. It is focussed on promoting multidisc e field of botanical sciences.	plinary quality research to solve scientific
CAJAL INSTITUTE	Biology and Biomedicine	http://www.cajal.csic.es/
The Cajal Institute (IC) is a CSIC research institute whose objective is neurobiol	logical research of the nervous system -both in physiological research of the nervous system -both in	gical and pathological situations.
The Cajal Institute (IC) is a CSIC research institute whose objective is neurobiol  CARBON CHEMISTRY INSTITUTE	logical research of the nervous system -both in physiological research of the nervous system -both in physiological Chemical Science and Technology	gical and pathological situations.  http://www.icb.csic.es/
CARBON CHEMISTRY INSTITUTE  The Carbon Chemistry Institute (ICB) is CSIC's own institute. Its research lines generate g technological challenges (production of hydrogen and renewable fuels) and advanced	Chemical Science and Technology  reat social sensitivity (CO2 capture/ climate change, air p	http://www.icb.csic.es/ mollution, waste recovery), in lines with new
CARBON CHEMISTRY INSTITUTE  The Carbon Chemistry Institute (ICB) is CSIC's own institute. Its research lines generate g technological challenges (production of hydrogen and renewable fuels) and advanced	Chemical Science and Technology great social sensitivity (CO2 capture/ climate change, air p	http://www.icb.csic.es/ collution, waste recovery), in lines with new
CARBON CHEMISTRY INSTITUTE  The Carbon Chemistry Institute (ICB) is CSIC's own institute. Its research lines generate g technological challenges (production of hydrogen and renewable fuels) and advanced super  CARDIOVASCULAR RESEARCH CENTER  The Cardiovascular Research Centre (CIC) is a joint research centre created by the association	Chemical Science and Technology  reat social sensitivity (CO2 capture/ climate change, air p applications (nanoscience and nanotechnology, develop conductors, etc.).  Biology and Biomedicine	http://www.icb.csic.es/ hollution, waste recovery), in lines with new ment of new sensors, fuel cells, batteries,  http://www.csic-iccc.org/
CARBON CHEMISTRY INSTITUTE  The Carbon Chemistry Institute (ICB) is CSIC's own institute. Its research lines generate g technological challenges (production of hydrogen and renewable fuels) and advanced super  CARDIOVASCULAR RESEARCH CENTER  The Cardiovascular Research Centre (CIC) is a joint research centre created by the association	Chemical Science and Technology  preat social sensitivity (CO2 capture/ climate change, air p applications (nanoscience and nanotechnology, develop conductors, etc.).  Biology and Biomedicine  on of CSIC and the Catalan Institute of Cardiovascular Sci	http://www.icb.csic.es/ hollution, waste recovery), in lines with new ment of new sensors, fuel cells, batteries,  http://www.csic-iccc.org/
CARBON CHEMISTRY INSTITUTE  The Carbon Chemistry Institute (ICB) is CSIC's own institute. Its research lines generate g technological challenges (production of hydrogen and renewable fuels) and advanced super  CARDIOVASCULAR RESEARCH CENTER  The Cardiovascular Research Centre (CIC) is a joint research centre created by the association the cardiovascular Research Centre (CIC) is a joint research centre created by the cardiovascular Research Centre (CIC) is a joint research centre created by the cardiovascular Research Centre (CIC) is a joint research centre created by the cardiovascular Research Centre (CIC) is a joint research centre created by the cardiovascular Research Centre (CIC) is a joint research centre created by the cardiovascular Research Centre (CIC) is a joint research centre created by the cardiovascular Research Centre (CIC) is a joint research centre created by the cardiovascular Research Centre (CIC) is a joint research centre created by the cardiovascular Research Centre (CIC) is a joint research centre created by the cardiovascular Research Centre (CIC) is a joint research centre created by the cardiovascular Research Centre (CIC) is a joint research centre created by the cardiovascular Research Centre (CIC) is a joint research centre created by the cardiovascular Research Centre (CIC) is a joint research centre created by the cardiovascular Research Centre (CIC) is a joint research centre created by the cardiovascular Research Centre (CIC) is a joint research centre created by the cardiovascular Research Centre (CIC) is a joint research C	Chemical Science and Technology  preat social sensitivity (CO2 capture/ climate change, air plapplications (nanoscience and nanotechnology, develop conductors, etc.).  Biology and Biomedicine  on of CSIC and the Catalan Institute of Cardiovascular Sciular and heart disease area.  Biology and Biomedicine  ed by CSIC and the Autonomous University of Madrid (U	http://www.icb.csic.es/ hollution, waste recovery), in lines with new ment of new sensors, fuel cells, batteries,  http://www.csic-iccc.org/ ences (ICCC). Its aim is to carry out research in  http://www.cbm.csic.es/  AM). Research is focused on the study of the
CARBON CHEMISTRY INSTITUTE  The Carbon Chemistry Institute (ICB) is CSIC's own institute. Its research lines generate g technological challenges (production of hydrogen and renewable fuels) and advanced super.  CARDIOVASCULAR RESEARCH CENTER  The Cardiovascular Research Centre (CIC) is a joint research centre created by the association the cardiovascular Research Centre (CIC) is a joint research Centre CENTER FOR MOLECULAR BIOLOGY "SEVERO OCHOA"  The Centre for Molecular Biology "Severo Ochoa" (CBMSO) is a joint research centre funder	Chemical Science and Technology  Ireat social sensitivity (CO2 capture/ climate change, air plapplications (nanoscience and nanotechnology, develop conductors, etc.).  Biology and Biomedicine  on of CSIC and the Catalan Institute of Cardiovascular Sciular and heart disease area.  Biology and Biomedicine  ed by CSIC and the Autonomous University of Madrid (Urledge to design therapies, procedures and diagnostic means the service of the ser	http://www.icb.csic.es/ mollution, waste recovery), in lines with new ment of new sensors, fuel cells, batteries,  http://www.csic-iccc.org/ ences (ICCC). Its aim is to carry out research in  http://www.cbm.csic.es/  AM). Research is focused on the study of the

FGCSIC\_ComFuturo 1 CSIC Research Institutes

**CENTRE FOR ADVANCED STUDIES OF BLANES Natural Resources** http://www.ceab.csic.es/ The Centre for Advances Studies of Blanes (CEAD) is a research institute belonging to CSIC. Research is focused on the fields of ecology and organism biology, both in sea and continental waters ecosystems. Its general aims those of identifying the diversity of organisms and understanding their functions and interactions in nature, as well as the application of this knowledge to the responsible use of our planet's resources and the prediction of responses to environmental changes. A wide range of studies and approaches are used including biochemical and genetic composition of organisms and the structure and dynamics of populations and ecosystems. CENTRE FOR ASTROBIOLOGY **Physical Science and Technologies** http://www.cab.inta-csic.es/ The Centre for Astrobiology (CAB) is a joint research institute dependent on CSIC and the "Esteban Terradas" National Institute for Aerospace Technology (INTA). It was founded with the aim of contributing to science and technology in Astrobiology. CENTRE FOR AUTOMATION AND ROBOTICS **Physical Science and Technologies** http://www.car.upm-csic.es/ The Centre for Automation and Robotics (CAR) is a joint centre of CSIC and the Technical University of Madrid (UPM). It aims to develop research in the fields of Control Engineering, Artificial Perception and Robotics.A37:D39 CENTRE FOR ECOLOGICAL RESEARCH AND FORESTRY APPLICATIONS **Natural Resources** The Centre for Ecological Research and Forestry Applications (CREAF) is a joint research institute with its own legal personality. It is governed by the Autonomous University of Barcelona (UAB), the University of Barcelona (UB), the Institute for Catalan Studies (IEC), the Institute for Food Research and Technology (IRTA), CSIC and the government of Catalonia. The centre strives to contribute to knowledge on conservation and management of the environment and adaptation to environmental change at local, regional and global level. CENTRE FOR NANOSCIENCE AND NANOTECHNOLOGY **Materials Science and Technology** The Centre for Nanoscience and Nanotechnology (CIN2) is a joint centre of the Catalan Institute of Nanoscience and Nanotechnology, the government of Catalonia, the State Agency CSIC and the Autonomous University of Barcelona. It develops basic and applied research seeking out new ways to engage with local and global industries and specialised training. **CENTER FOR HUMAN AND SOCIAL SCIENCES Humanities and Social Sciences** The Center for Human and Social Sciences (CCHS) is a CSIC service centre that provides its services to the following 6 CSIC institutes: NSTITUTE OF PHILOSOPHY / INSTITUTE OF ECONOMICS, GEOGRAPHY AND DEMOGRAPHY / INSTITUTE OF LANGUAGES AND CULTURES OF THE MEDITERRANEAN AND THE NEAR EAST / INSTITUTE FOR PUBLIC GOODS AND POLICIES / INSTITUTE OF HISTORY / INSTITUTE OF LANGUAGE, LITERATURE AND ANTHROPOLOGY CENTER OF PHYSICS "MIGUEL A. CATALAN" Physical Science and Technologies http://www.cfmac.csic.es/ The Center of Physics "Miguel Antonio Catalán" (CFMAC) is a CSIC service centre that provides its services to the following 3 CSIC research institutes: INSTITUTE OF FUNDAMENTAL PHYSICS / INSTITUTE FOR THE STRUCTURE OF MATTER / INSTITUTE OF OPTICS "DAZA DE VALDES" CENTER FOR THEORETICAL PHYSICS AND MATHEMATICS Physical Science and Technologies The Center for Theoretical Physics and Mathematics (CFTMAT) is a CSIC service centre that provides its services to the following 2 CSIC joint research institutes: INSTITUTE OF MATHEMATICAL SCIENCES / INSTITUTE OF THEORETICAL PHYSICS CENTER FOR RESEARCH IN AGRICULTURAL GENOMICS **Agricultural Sciences** http://www.cragenomica.es/ The Center for Research in Agricultural Genomics (CRAG) brings together diverse plant and farm animal research groups, and provides a unique nurturing ground for research and training, exploring the genetic and genomic determinants that are common for plants and animals. CRAG is devoted to leading-edge research in the molecular basis of genetic characters of interest in plants and farm animals, and in the applications of molecular approaches for breeding of species important for agriculture and food production **Biology and Biomedicine / Chemical Science and** RESEARCH AND DEVELOPMENT CENTER "PASCUAL VILA" http://www.cid.csic.es/ Technology The Research and Development Center "Pascual Vila" (CID) is a CSIC service centre that provides its services to the following 2 CSIC research institutes: INSTITUTE OF ENVIRONMENTAL ASSESSMENT AND WATER RESEARCH / INSTITUTE FOR ADVANCED CHEMISTRY OF CATALONIA Chemical Science and Technology / Materials CENTER FOR SCIENTIFIC RESEARCH "ISLA DE LA CARTUJA" http://www.ciccartuja.es/ Science and Technology / Biology and Biomedicine The Center for Scientific Research "Isla de la Cartuja" (CICIC) is a CSIC service centre that provides its services to the following 3 CSIC joint research centres: INSTITUTE OF PLANT BIOCHEMISTRY AND PHOTOSYNTHESIS / MATERIALS SCIENCE INSTITUTE OF SEVILLE / INSTITUTE FOR CHEMICAL RESEARCH ORGANIC CHEMISTRY CENTER "LORA TAMAYO" **Chemical Science and Technology** http://www.cenquior.csic.es/ The Organic Chemistry Center "Lora Tamayo" (CENQUIOR) is a CSIC service centre that provides its services to the following 3 CSIC research institutes: MEDICINAL CHEMISTRY INSTITUTE / INSTITUTE OF GENERAL ORGANIC CHEMISTRY / INSTITUTE OF POLYMER SCIENCE AND TECHNOLOGY Materials Science and Technology / Chemical ARAGON CHEMISTRY AND MATERIALS CENTER Science and Technology The Aragón Chemistry and Materials Center (CEQMA) is a CSIC joint service centre that provides its services to the following 2 CSIC joint research centres: INSTITUTE OF CHEMICAL SYNTHESIS AND HOMOGENEOUS CATALYSIS / ARAGÓN MATERIALS SCIENCE INSTITUTE MEDITERRANEAN CENTER FOR MARINE AND ENVIRONMENTAL RESEARCH Natural Resources http://www.cmima.csic.es/ The Mediterranean Center for Marine and Environmental Research (CMIMA) is a CSIC service centre that provides its services to the following CSIC institute and unit: INSTITUTE OF MARINE SCIENCES / MARINE TECHNOLOGY UNIT NATIONAL MICROELECTRONIC CENTER **Physical Science and Technologies** http://www.cnm.csic.es/ The National Microelectronic Center (CNM) is a CSIC centre created as a centre with patronage according to the Orden of 24th January 1985, that integrates the following CSIC research institutes as a network: INSTITUTE OF MICROELECTRONICS OF BARCELONA / SEVILLE INSTITUTE OF MICROELECTRONICS / INSTITUTE OF MICRO AND NANOTECHNOLOGY DAIRY INSTITUTE OF ASTURIAS Food Science and Technology http://www.ipla.csic.es/ The Dairy Institute of Asturias (IPLA) is a CSIC research institute. Its mission is to generate knowledge through scientific research in the area of dairy product science and technology. Its goals are to improve the health and wellbeing of consumers, and to strengthen the competitive potential of CSIC in the food sector. The institute is also committed to delivering this knowledge to society and industry.

DESERTIFICATION RESEARCH CENTRE Natural Resources http://www.uv.es/cide/

The Desertification Research Centre (CIDE) is a joint research centre of CSIC, the University of Valencia and the Autonomous Government of Valencia. CIDE is devoted to research on the causes, actors and processes of desertification. It also researches the characterization and study of soils as a natural resource, their degradation and conservation measures; the ecology and evolution of plants; and the cartographic integration of the state and dynamics of the landscape components into thematic documents for land use planning.

DOÑANA BIOLOGICAL STATION Natural Resources http://www.ebd.csic.es/

The Doñana Biological Station (EBD) is a public research institute belonging to CSIC in the area of natural resources. Its fundamental mission is to carry out multidisciplinary research of the highest standard directed at understanding the way in which biodiversity is generated, maintained and deteriorates, as well as the consequences of biodiversity loss and the possibilities of its subsequent restoration.

EBRO OBSERVATORY Natural Resources http://www.obsebre.es/

The Ebro Observatory (OE) is a joint centre of CSIC and the Ebro Observatory Foundation, with its own legal personality. It focuses on the study and observation of the physical system of Earth. Specifically this involves the analysis and mapping of the physical properties of the Earth's interior, the study of space plasma near the Earth, with particular attention to electromagnetic environment and its relation to solar activity, and finally, hydrological processes and their evolution with climate change.

EDUARDO TORROJA INSTITUTE FOR CONSTRUCTION SCIENCE Materials Science and Technology http://www.ietcc.csic.es/

The Eduardo Torroja Institute for Construction Sciences (IETCC) is a CSIC research institute whose activity is based on research and technological developments in the field of construction and materials. Its research focuses on studies related to climate change, resources and environment as well as energy efficiency during the process of building, use and demolition. The circular economy and the analysis of the life cycle are considered a fundamental part for development.

SPANISH SCHOOL OF HISTORY AND ARCHEOLOGY Humanities and Social Sciences <a href="http://www.eehar.csic.es/">http://www.eehar.csic.es/</a>

The Spanish School of History and Archeology in Rome (EEHAR) is a CSIC institute whose main missions are the realisation of investigations on the relationships between the territories that currently occupy Spain and Italy; and facilitating the relationships between the scientific communities of both countries, including the foreign ones currently located in Rome.

EXPERIEMENTAL STATION OF AULA DEI Agricultural Sciences http://www.eead.csic.es/

The Experimental Station of Aula Dei (EEAD) is a CSIC research institute. The EEAD mission is to provide the agricultural sector with appropriate materials and technologies and to increase competitiveness and sustainability- through a deeper knowledge- of the plant-environment system.

EXPERIMENTAL STATION OF ARID ZONES Natural Resources http://www.eeza.csic.es/

The Experimental Station of Arid Zones (EEZA) is a CSIC own research centre. Its aim is promoting the development of basic research as a vital engine of innovation and improvement of the management of the natural and rural environment in extreme environments as well as reintroduction and conservation of several species of African ungulates to ensure their final recovery in freedom.

GEOSCIENCES INSTITUTE Natural Resources http://www.igeo.ucm-csic.es/

The Geosciences Institute (IGEO) is a joint research institute of CSIC and the Complutense University of Madrid. Research is in the field of Earth Sciences (Geology, Geodesy and Geophysics) and its application to problems of general interest such as natural disasters, heritage conservation, geological resources and climate change among others.

INSTITUTE FOR ADVANCED CHEMISTRY OF CATALONIA

Chemical Science and Technology

<a href="http://www.iqac.csic.es/">http://www.iqac.csic.es/</a>

The Institute for Advanced Chemistry of Catalonia (IQAC) is a CSIC research institute. It focuses on the application of chemical approaches in addressing and solving societal challenges, mainly those related to human health, the sustainability of chemical processes and products, and the need for novel materials for various applications.

INSTITUTE FOR ADVANCED SOCIAL STUDIES Humanities and Social Sciences http://www.iesa.csic.es/

The Institute of Advanced Social Studies (IESA) is a CSIC research institute working in the field of Social Sciences. Its objective is basic and applied social research of the processes of change in contemporary societies and the fundamental characteristics of the social structure using the most relevant theoretical perspectives and comparative analysis.

INSTITUTE FOR CHEMICAL RESEARCH Chemical Science and Technology <a href="http://www.iiq.csic.es/">http://www.iiq.csic.es/</a>

The Institute for Chemical Research (IIQ) is a joint centre of CSIC and the University of Seville. It aims to contribute to the development of chemical research, the advancement of knowledge and technological progress and industrial development promoting and facilitating research in the fields of organic chemistry, inorganic chemistry, carbohydrate chemistry, organometallic chemistry, biochemistry, enzymology, peptides, proteins and chemical synthesis.

INSTITUTE FOR CROSS-DISCIPLINARY PHYSICS AND COMPLEX SYSTEMS Physical Science and Technologies <a href="http://ifisc.uib-csic.es/">http://ifisc.uib-csic.es/</a>

The Institute for Cross-Disciplinary Physics and Complex Systems (IFISC) is a joint research institute of the Universitat de les Illes Balears (UIB) and CSIC. Its mission is to develop cross-disciplinary and strategic research in complex systems following the established scientific approach of physicists. Collective phenomena of nonlinear physics and complex systems are studied with methods of Statistical Physics, Dynamical Systems, Computational Methods and Quantum Mechanics.

INSTITUTE FOR ECONOMIC ANALYSIS Humanities and Social Sciences <a href="http://www.iae.csic.es/">http://www.iae.csic.es/</a>

The Institute for Economic Analysis (IAE) is a centre belonging to CSIC. Its mission is to promote research in economics. Research activities carried out at the centre focus on both theoretical and empirical studies into different areas such as macroeconomics, international economics and econometrics, growth and regional economy, public economy, migration, game theory, experimental economy, microeconomics and markets, industrial organisation and finances, public economics, distribution and conflict and positive economic policies.

INSTITUTE FOR FATS Food Science and Technology <a href="http://www.ig.csic.es/">http://www.ig.csic.es/</a>

The Institute for Fats (IG) is a CSIC research institute whose aim is the development and improvement of industry sectors related to fats. Its research is focussed on the description and the obtaining of quality, healthy and safe food by using new environment-friendly technologies.

INSTITUTE FOR GAME AND WILDLIFE RESEARCH
Natural Resources / Agricultural Sciences <a href="http://www.irec.es/">http://www.irec.es/</a>

The Institute for Game and Wildlife Research (IREC) is a joint research institute of CSIC, the regional government and the University of Castile-La Mancha. It aims at studies associated with the hunting-sustainability interaction in the natural environment. Studies are purely ecological and evolutionary with a more participatory conservationist approach. Its research also involves the fields of health or animal production.

FGCSIC ComFuturo 3 CSIC Research Institutes

INSTITUTE FOR INNOVATION AND KNOWLEDGE MANAGEMENT **Humanities and Social Sciences** http://www.ingenio.upv.es/ The Institute for Innovation and Knowledge Management (INGENIO) is a joint research institute of CSIC and the Polytechnic University of Valencia (UPV). Its activities encompass research on science and innovation: the emergence and evolution of technology, the organizational processes that facilitate their development and the policies that support and steer them. INSTITUTE FOR INSTRUMENTATION IN MOLECULAR IMAGING **Physical Science and Technologies** http://www.i3m.upv.es/ The Institute for Instrumentation in Molecular Imaging (I3M) is a CSIC joint research centre with the Polytechnic University of Valencia. Its main activity is the research of new imaging techniques to be applied in the biomedical field. INSTITUTE FOR INTEGRATIVE SYSTEMS BIOLOGY **Biology and Biomedicine** The Institute for Integrative Systems Biology (I<sup>2</sup>SysBio) is a joint collaborative research institute involving University of Valencia and CSIC. It focuses on research into the structure, function, dynamics, evolution and manipulation of complex biological systems. It seeks to provide solutions to problems that may arise in the pharmaceutical, biotechnological, biomedical and agribusiness sectors. INSTITUTE FOR MEDITERRANEAN AND SUBTROPICAL HORTICULTURE "LA **Agricultural Sciences** http://www.ihsm.uma-csic.es/ MAYORA" The Institute for Mediterranean and Subtropical Horticulture La Mayora (IHSM) is a joint research institute of CSIC and the University of Malaga. It aims to advance and coordinate scientific research more efficiently in intensive subtropical fruticulture. horticulture, focusing on integrated and sustainable farming. INSTITUTE FOR MOUNTAIN STOCK FARMING Agricultural Sciences http://www.igm.ule-csic.es/ The Institute for Mountain Stock Farming (IGM) is a joint research institute of CSIC and the University of León. It aims to generate the scientific knowledge necessary to modernize the management and technology of traditional farming and silvopastoral systems. Research is developed in fields related to nutrition, production and animal health, mainly of rumiants and the relation between stock farming systems and land use. INSTITUTE FOR NEUROSCIENCE **Biology and Biomedicine** The Institute for Neuroscience (IN) is a joint research institute of CSIC and the Miguel Hernandez University of Elche (UMH). It aims to research the development, structure and functioning of the nervous system under normal and pathological conditions. INSTITUTE FOR PHYSICAL AND INFORMATION TECHNOLOGIES "LEONARDO Physical Science and Technologies http://www.itefi.csic.es/es **TORRES QUEVEDO"** The Institute for Physical and Information Technologies (ITEFI) is a CSIC research institute whose main aim is the research on novel physical technologies applicable to industrial, biomedical and environmental fields, as well as information technologies associated with the communications security and cryptography fields. INSTITUTE FOR PLANT MOLECULAR AND CELLULAR BIOLOGY "EDUARDO PRIMO Agricultural Sciences http://www.ibmcp.csic.es/ YUFERA" The Institute for Plant Molecular and Cellular Biology "Eduardo Primo Yufera" (IBMCP) is a research centre funded by both the Polytechnic University of Valencia (UPV) and the State Agency CSIC Its aim is to generate knowledge for genetic engineering of plants for better productivity and quality with added value both for consumers and food industries. It also strives to generate stressresistant crop plants in order to contribute to sustainable agriculture. INSTITUTE FOR PUBLIC GOODS AND POLICIES **Humanities and Social Sciences** http://www.ipp.csic.es/ The Institute for Public Goods and Policies (IPP) is CSIC's own research centre. It aims at the comparative analyses of public goods and their nature, the design and implementation of public policies as well as their interaction in order to contribute to knowledge of the relations among society, markets and the State. INSTITUTE FOR SPACE SCIENCES **Physical Science and Technologies** The Institute for Space Sciences (ICE) is a CSIC research centre dedicated to the study of the cosmos and space sciences that develops theoretical models and technologies. It is interested in the use of space technologies for a better understanding of the Earth, for shaping climate change and developing predictive tools that help avoid the effects of natural disasters. INSTITUTE FOR SUSTAINABLE AGRICULTURE Agricultural Sciences http://www.ias.csic.es/ The Institute for Sustainable Agriculture (IAS) is CSIC's own institute which aims to harmonize food production with conservation of natural resources and environmental protection INSTITUTE FOR THE STRUCTURE OF MATTER **Physical Science and Technologies** The Institute for the Structure of Matter (IEM) is a CSIC research institute whose mission is to enhance knowledge on the structure of matter in a wide range of physical scales, from the building blocks of matter and space-time, to nuclei, atoms, molecules, and macromolecules, including condensed matter and mesoscopic systems. INSTITUTE OF BIOMEDICINE & BIOTECHNOLOGY OF CANTABRIA **Biology and Biomedicine** http://www.unican.es/ibbtec/ The Institute of Biomedicine and Biotechnology of Cantabria (IBBTEC) is a joint research centre belonging to the University of Cantabria, CSIC, and the regional government through its Society for the Development of Cantabria (SODERCAN). Its main aim is to carry out high-quality scientific research in biological disciplines, both in basic and applied aspects, with the aim of advancing scientific knowledge and boosting the transfer of results and technology to the production sector INSTITUTE OF AGRICULTURAL SCIENCES **Agricultural Sciences** http://www.ica.csic.es/ The Institute of Agricultural Sciences (ICA) is CSIC's own research centre whose objective is the development of agro-environmental research providing adequate solutions to the major challenges of modern and specialized Spanish agriculture. INSTITUTE OF AGROCHEMISTRY AND FOOD TECHNOLOGY **Food Science and Technology** http://www.iata.csic.es/ The Institute of Agrochemistry and Food Technology (IATA) belongs to CSIC. Its scientific-technical objective is to carry out research on the production of sustainable and quality food, taking

into account its safety, health impact and consumer acceptance.

INSTITUTE OF AQUACULTURE TORRE DE LA SAL

Agricultural Sciences

http://www.iats.csic.es/

The Institute of Aquaculture Torre de la Sal (IATS) is a CSIC research institute that focuses on different aspects of research in the field of aquaculture.

INSTITUTE OF ASTROPHYSICS OF ANDALUSIA

Physical Science and Technologies

http://www.iaa.csic.es/

The Institute of Astrophysics of Andalusia (IAA) is a CSIC research centre. IAA activities are related to research in the field of astrophysics and instrument development both for ground-based telescopes and for space missions.

INSTITUTE OF BIOLOGY AND MOLECULAR GENETICS

Biology and Biomedicine

http://www.ibgm.med.uva.es/

The Institute of Biology and Molecular Genetics (IBGM) is a joint research centre of the University of Valladolid and CSIC. Its main objective is the development of research in the fields of cell and molecular biology, genetics, biochemistry, immunology, biophysics, physiology and pharmacology.

INSTITUTE OF BIOMEDICAL RESEARCH OF BARCELONA

Biology and Biomedicine 
http://www.iibb.csic.es/

The Institute of Biomedical Research of Barcelona (IIBB) is a CSIC research institute whose basic research is focussed on molecular and cellular mechanisms of diseases and pathophysiological processes such as obesity and other complications such as steatohepatitis and its progression to liver cancer, depression, cerebral and liver ischaemia, neurotoxicity, fibrosis, inflammation and kidney failure as well as neurodegenerative diseases, Alzheimer and Parkinson.

INSTITUTE OF BIOMEDICINE OF SEVILLE Biology and Biomedicine http://www.ibis-sevilla.es/

The Institute of Biomedicine (IBIS) is a multidisciplinary biomedical joint research centre of CSIC, the regional government of Andalusia, the University of Seville and the Andalusian Health Service, with the aim of undertaking high quality and competitive research at international level on the most prevalent diseases and the development of new methods of diagnosis and treatment.

INSTITUTE OF BIOMEDICINE OF VALENCIA Biology and Biomedicine http://www.ibv.csic.es/

The Institute of Biomedicine of Valencia (IBV) is CSIC's own institute. Its aim is biomedical research linking basic knowledge on biology and improvements in the field of health. Of particular interest are metabolic and skin disorders, genomics and genetics applied to human pathology, the study of structural biology and bioinformatics on cell signaling as well as the search for and characterization of targets to develop antibiotics and antivenins. The IBV is also an important node for the study of physiopathology of rare diseases.

INSTITUTE OF CANCER MOLECULAR AND CELLULAR BIOLOGY Biology and Biomedicine <a href="http://www.cicancer.org/">http://www.cicancer.org/</a>

The Institute of Cancer Molecular and Cellular Biology is a joint research centre of CSIC and the University of Salamanca. It focuses on the study of cancer at molecular and cellular level.

INSTITUTE OF CATALYSIS AND PETROCHEMISTRY

Chemical Science and Technology <a href="http://www.icp.csic.es/">http://www.icp.csic.es/</a>

The Institute of Catalysis and Petrochemistry (ICP) is a research centre belonging to CSIC. It aims at scientific research in areas of chemical and biological catalysis as well as in catalysts and catalytic processes. ICP works in the development of advanced catalysts, inorganic and enzymatic processes and innovative chemistry, along three main lines: energy, environmental protection and selective synthesis of chemical compounds.

INSTITUTE OF CERAMICS AND GLASS

Materials Science and Technology http://www.icv.csic.es/

The Institute of Ceramics and Glass (ICV) is CSIC's own research institute aimed at generating scientific and technological knowledge in the field of ceramic and glass materials.

INSTITUTE OF CHEMICAL SYNTHESIS AND HOMOGENEOUS CATALYSIS

Chemical Science and Technology <a href="http://www.isqch.unizar-csic.es/">http://www.isqch.unizar-csic.es/</a>

The Institute of Chemical Synthesis and Homogeneous Catalysis (ISQCH) is a joint research institute of CSIC and the University of Zaragoza. It focuses on basic and applied research in fields related to chemical synthesis and also in the specific field of homogeneous catalysis.

INSTITUTE OF CHEMICAL TECHNOLOGY Chemical Science and Technology http://itq.upv-csic.es/

The Institute of Chemical Technology (ITQ) is a joint research centre of CSIC and the Polytechnic University of Valencia. It focuses its activity on basic and applied research in chemistry (catalysis, new materials, photochemistry) in order to provide technical solutions to problems of society (mainly energy, sustainability and health).

INSTITUTE OF CORPUSCULAR PHYSICS Physical Science and Technologies <a href="http://ific.uv.es/">http://ific.uv.es/</a>

The Institute of Corpuscular Physics (IFIC) is a joint research centre of CSIC and the University of Valencia aimed to research on nuclear, particle and astroparticle physics and its applications to medical physics and to other fields of science and technology

INSTITUTE OF EARTH SCIENCES JAUME ALMERA Natural Resources http://www.ictja.csic.es/

The Institute of Earth Sciences Jaume Almera (ICTJA) is CSIC's own research institute whose mission is to advance the understanding of earth system, by applying advanced experimental and analytical methodologies to well-defined, knowledge-driven research objectives. A key part of its mission is to meet industrial and societal needs through knowledge transfer applied to geohazards and the exploration and exploitation of geological resources.

INSTITUTE OF ECONOMICS, GEOGRAPHY AND DEMOGRAPHY Humanities and Social Sciences <a href="http://www.iegd.csic.es/">http://www.iegd.csic.es/</a>

The Institute of Economics, Geography and Demography (IEGD) is CSIC's own institute. It aims to provide technical advice and support, analyses of demographic changes and people's living conditions, regional development and economy, geography, environmental economy and natural resources management.

INSTITUTE OF ENVIRONMENTAL ASSESSMENT AND WATER RESEARCH

Chemical Science and Technology, Natural
Resources

http://www.idaea.csic.es/

The Institute of Environmental Assessment and Water Research (IDAEA) is a CSIC research institute whose aim is the study of the natural and anthropogenic changes occurring in ecosystems using chemical and geochemical techniques. It is focussed on the changes related to climate and those involving toxicity increases for organisms and humans.

FGCSIC ComFuturo 5 CSIC Research Institutes

INSTITUTE OF EVOLUTIONARY BIOLOGY **Natural Resources** http://www.ibe.upf-csic.es/ The Institute of Evolutionary Biology (IBE) is a joint institute of the University Pompeu Fabra (UPF) and CSIC. Researchers at IBE study the processes and mechanisms that generate biodiversity. Topics include genetic and molecular evolution, population biology, complex systems biology and the recovery of ancient DNA. INSTITUTE OF FOOD SCIENCE RESEARCH Food Science and Technology http://www.cial.uam-csic.es/ The Institute of Food Science Research (CIAL) is a joint research institute of CSIC and the Autonomous University of Madrid whose main objective is the development of quality scientific research in the field of food science and technology. INSTITUTE OF FOOD SCIENCE, TECHNOLOGY AND NUTRITION Food Science and Technology http://www.ictan.csic.es/ The Institute of Food Science, Technology and Nutrition (ICTAN) is CSIC's own research institute aimed to generation, dissemination of new fundamental and applied scientific knowledge in the field of food science, technology and nutrition. INSTITUTE OF FUNCTIONAL BIOLOGY AND GENOMICS **Biology and Biomedicine** http://www.ibfq.usal-csic.es/ The Institute of Functional Biology and Genomics (IBFG) is a joint research centre between CSIC and the University of Salamanca. Its main objective is understanding the molecular mechanisms that regulate cell growth and division, cell morphogenesis, and the replication and expression of the genome. INSTITUTE OF FUNDAMENTAL PHYSICS Physical Science and Technologies http://www.iff.csic.es/ The Institute of Fundamental Physics (IFF) is a CSIC research institute aiming to develop mainly theoretical research. It is focussed on the development of mathematical modelling for physics to answer questions of gravitation and cosmology (Macroscopic Universe), nuclear physics, atomic physics, molecular and optical physics, quantum computing (microscopic universe) and information processing. The IFF also studies medical physics and the interaction of radiation with matter. INSTITUTE OF GENERAL ORGANIC CHEMISTRY Chemical Science and Technology http://www.igog.csic.es/ The Institute of General Organic Chemistry (IQOG) is a CSIC research institute focused on chemistry research and other fields such as biology, medicine, environment and materials. It intends to be a national and international referent in synthesis, analysis, the study of interactions and the biological behaviour of organic compounds and biomolecules. Food Science and Technology / INSTITUTE OF GRAPEVINE AND WINE SCIENCES **Agricultural Science** The Institute of Grapevine and Wine Sciences (ICVV) is a joint research institute of CSIC, the government and the University of La Rioja. Its goal is generating new knowledge and technologies in viticulture and oenology, which can be the base for technological development and innovation within the grape and wine productive sector. INSTITUTE OF HERITAGE SCIENCES **Humanities and Social Sciences** http://www.incipit.csic.es/ The Institute of Heritage Sciences (INCIPIT) is a CSIC research centre. It aims to foster, develop, validate and disseminate the scientific and technological pluridisciplinary research on cultural heritage. INSTITUTE OF HISTORY **Humanities and Social Sciences** http://www.ih.csic.es/ The Institute of History (IH) is CSIC's own research institute. It aims to promote research of the past, in order to know and understand the dynamic of change and interactions of human societies over time. Given the particular position in communication between Europe and America as well as relations between both sides of Mediterranean, it focuses on challenges related to identity,  $coexistence\ with\ different\ cultures,\ globalization,\ migration,\ science,\ art\ and\ environmental\ crisis$ INSTITUTE OF LANGUAGE, LITERATURE AND ANTHROPOLOGY **Humanities and Social Sciences** http://www.illa.csic.es/ The Institute of Language, Literature and Anthropology (ILLA) is CSIC's own research institute whose main goal is the research of Hispanic cultural heritage in its triple dimension: anthropological, linguistic and literary. INSTITUTE OF LANGUAGES AND CULTURES OF THE MEDITERRANEAN AND THE **Humanities and Social Sciences** http://www.ilc.csic.es/ The Institute of Languages and Cultures of the Mediterranean and the Near East (ILC) is CSIC's own research institute which has as its fundamental goal the study of languages and cultures of the Mediterranean basin and the Near East over different periods. The fundamental thematic lines of the research carried out in ILC encompass the languages and cultures of the ancient Near ast, classical culture of ancient Greece and Rome, along with its continuation in the Byzantine and Neo-Greek world, as well as in the Latin Middle Ages and the Neo-Latin world, biblical culture and the Hebrew language, Spanish-Jewish world and its Sephardic continuation, the Arabic language and Islam, as well as the study of the processes of cultural production and transmission. INSTITUTE OF MARINE SCIENCES **Natural Resources** http://www.icm.csic.es/ The Institute of Marine Sciences (ICM) is CSIC's own research institute entirely devoted to the study of oceans and seas. Its research is focused on marine ecosystems and the ability to assess changes and the human impacts on the environment and to seek appropriate solutions. **Natural Resources** INSTITUTE OF MARINE SCIENCES OF ANDALUSIA http://www.icman.csic.es/ **Agricultural Sciences** The Institute of Marine Sciences of Andalusia (ICMAN) is a CSIC research institute focused on marine biology and fishery. It carries out important research activity and training of researchers in fields such as marine sciences, oceanography, ecotoxicology and management of marine ecosystems. INSTITUTE OF MATERIALS SCIENCE IN MADRID Materials Science and Technology http://www.icmm.csic.es/ The Institute of Materials Science in Madrid (ICMM) is a CSIC research institute aimed to create new fundamental and applied knowledge in materials of high technological impact, their processing and their transfer to the production sectors. **Materials Science and Technology** INSTITUTE OF MATERIALS SCIENCE OF BARCELONA http://www.icmab.csic.es/ The Institute of Materials Science of Barcelona is a CSIC research centre focused on cutting-edge research in functionally advanced materials in the fields of energy, electronics, nanomedicine and materials sciences.

INSTITUTE OF MATHEMATICAL SCIENCES **Physical Science and Technologies** http://www.icmat.es/ The Institute of Mathematical Sciences (ICMAT) is a joint research centre constituted by CSIC, the Autonomous University (UAM), the Carlos III University (UC3M) and the Complutense University of Madrid (UCM). It conducts research in all branches of mathematics, stimulating multidisciplinary research and exploring new applications for uses in basic science and industry. INSTITUTE OF MICRO AND NANOTECHNOLOGY **Physical Science and Technologies** http://www.imm-cnm.csic.es/ The Institute of Micro and Nanotechnology (IMN-CNM) is CSIC's own research institute. Its aim is the advance in fundamental research and applications in nanoscience and nanotechnology. It works in the development of nanobiosensors to discriminate cancerigeneous cells, fabrication of semiconductor and metallic nanostructures for devices in information technologies, advanced photovoltaics, magnetoplasmonics or thermoelectricity. INSTITUTE OF MICROELECTRONICS OF BARCELONA **Physical Science and Technologies** http://www.imb-cnm.csic.es/ The Institute of Microelectronics of Barcelona (IMB-CNM) belongs to CSIC, it research is focused on basic and applied research and development in micro and nanotechnologies, components and systems. In line with miniaturized electronic systems which include sensing and/or actuating capabilities it is being applied in other fields such as mechanical, optics, fluidics, chemistry and biology. Chemical Science and Technology / Natural INSTITUTE OF NATURAL PRODUCTS AND AGROBIOLOGY http://www.ipna.csic.es/ **Resources / Agricultural Sciences** The Institute of Natural Products and Agrobiology (IPNA) is CSIC's own research institute. It aims at soil sciences, applied biology including specialization, ecological interactions, photochemistry and biotechnology. It gives support to the agricultural sector of the Canary Islands and has established a seismic-monitoring network in the archipelago. INSTITUTE OF NATURAL RESOURCES AND AGROBIOLOGY OF SALAMANCA **Resources / Agricultural Sciences** http://www.irnasa.csic.es/ The Institute of Natural Resources and Agrobiology of Salamanca (IRNASA) is a CSIC research centre. It focuses on the study of agricultural crops and their products, and the environmental conservation and health of livestock. It uses the studies of biology, pathology, soil chemistry and ecology to provide scientific solutions for the maintenance of agricultural systems of semi-arid areas. INSTITUTE OF OPTICS "DAZA DE VALDES" **Physical Science and Technologies** http://www.io.csic.es/ The Institute of Optics "Daza de Valdes" (IO) is a CSIC research institute. Its scientific objectives include every aspect of optics and photonics, with particular emphasis on areas such as ophthalmic and physiological optics, image processing, optical metrology, light-matter interaction, non-linear dynamics of optical systems, nanophotonics and optical communications. INSTITUTE OF PARASITOLOGY AND BIOMEDICINE "LÓPEZ-NEYRA" **Biology and Biomedicine** http://www.ipb.csic.es/ The Institute of Parasitology and Biomedicine "López Neyra" (IPBLN) is CSIC's own research institute. The objectives of the research activity are aimed at the understanding of processes and the study of organisms of biomedical interest with a special emphasis on molecular parasitology, immunology and the development of new therapeutic strategies and procedures for diagnoses of diseases of world-wide impact. The development of new compounds and tools for the treatment of infectious diseases, the design of new procedures for diagnostic purposes and the understanding of the molecular bases of infectious diseases, immune or neurodegenerative diseases or cancer. INSTITUTE OF PHILOSOPHY **Humanities and Social Sciences** The Institute of Philosophy (IFS) is CSIC's own research centre whose objective is carrying out research projects of philosophy related to the ethical, political, religious and sciences requirements: ethical and juridical thinking, philosophy of history and religion, philosophy and history of science, the studies of science, technology and society as well as gender studies, applied ethics, bioethics, immigration, multiculturalism, the functional diversities and the relations between philosophy, literature and iconology among others. INSTITUTE OF PHYSICAL CHEMISTRY ROCASOLANO **Chemical Science and Technology** The Institute of Physical Chemistry Rocasolano (IQFR) is a CSIC research centre focused on research in fundamental and applied physical chemistry. Its vision is to be an international reference in multidisciplinary research focused on the resolution of the present challenges of society in the fields of health, biotechnology, new materials and environment. INSTITUTE OF PHYSICS OF CANTABRIA Physical Science and Technologies http://www.ifca.csic.es/ The Institute of Physics of Cantabria (IFCA) is a joint centre with the combined effort of two institutions, CSIC and University of Cantabria (UC). Research aims to understand the components of nature, from elementary particles (Particle Physics) to the largest structures of the Universe (Astronomy and Space Science) as well as the complex collective behaviour of matter (Statistical and Non-linear Physics). INSTITUTE OF PLANT BIOCHEMISTRY AND PHOTOSYNTHESIS **Agricultural Sciences** The Institute of Plant Biochemistry and Photosynthesis (IBVF) is a joint centre of CSIC and the University of Seville. It aims to develop research in biochemistry and advance the general principles applied to phototrophy in diverse organisms and to explain how basic phototrophic metabolism can support biological systems such as cyanobacteria, algae and plants. INSTITUTE OF POLYMER SCIENCE AND TECHNOLOGY **Materials Science and Technology** The Institute of Polymer Science and Technology (ICTP) is CSIC's own institute whose objective is the scientific and technological advancement of polymeric materials through research and development, at the service of Spanish society. INSTITUTE OF ROBOTICS AND INDUSTRIAL COMPUTING **Physical Science and Technologies** http://www.iri.csic.es/ The Institute of Robotics and Industrial Computing (IRII) is a joint research institute of CSIC and the Technical University of Catalonia (UPC). It aims at promoting fundamental research in applied robotics and informatics in order to cooperate with the community in industrial technological projects. INSTITUTE OF THEORETICAL PHYSICS **Physical Science and Technologies** http://www.ift.uam-csic.es/ The Institute of Theoretical Physics (IFT) is a joint research institute of CSIC and the Autonomous University of Madrid which aims to develop research in the frontiers of elementary particle physics, astroparticles and cosmology, in order to understand the fundamental keys of nature and the universe. INSTITUTION MILÀ I FONTANALS **Humanities and Social Sciences** http://www.imf.csic.es/ The Institution Milá i Fontanals (IMF) is CSIC's own research institute. Its aim is to generate historic, cultural and social knowledge. **Agricultural Sciences** INSTITUTE OF AGROBIOLOGICAL RESEARCH OF GALICIA http://www.iiag.csic.es/ The Institute of Agrobiological Research of Galicia (IIAG) is a CSIC research institute aimed at scientific and technical research in the agroforestry field focusing on the study of soil and plants and their enhancement.

INSTITUTE OF NANOSCIENCE AND MATERIALS OF ARAGÓN Materials Science and Technology http://inma.unizar-csic.es/ The INMA aims to carry out, in a collaborative framework, research, training, transfer and dissemination activities in the field of nanoscience and materials science and technology, promoting an interdisciplinary approach. Agricultural Sciences / INSTITUTE OF NATURAL RESOURCES AND AGROBIOLOGY OF SEVILLE http://www.irnase.csic.es/ **Natural Resources** The Institute of Natural Resources and Agrobiology Sevilla (IRNAS) is a CSIC's own research institute. Its objective is to unite the soil and agricultural sciences. Its activity focuses on the sustainability of agriculture; the impact of agrochemicals on soils and waters; the study of the dynamics of nutrients and organic matter in soils and agroforestry systems; the recovery of contaminated soils; the study of microbial diversity in extreme environments, among others. Natural Resources / Agricultural Sciences / Food MARINE RESEARCH INSTITUTE http://www.iim.csic.es/ Science and Technology The Marine Research Institute (IIM) is CSIC's own institute whose mission is the development of integrated and multidisciplinary research on marine sciences which help to understand marine ecosystems as well as the scientific and technological situation of related productive sectors. MARINE TECHNOLOGY UNIT **Natural Resources** http://www.utm.csic.es/ The Marine Technology Unit (UTM) is CSIC's own institute associated with the Mediterranean Centre for Marine and Environmental Research (CMIMA). It provides support and maintenance service for oceanographic and polar vessels as well as technological development activities in the field of marine sciences. MATERIAL PHYSICS CENTRE Materials Science and Technology http://cfm.ehu.es/ The Material Physics Centre (CFM) is a joint initiative between CSIC and the University of the Basque Country. Its research is focused on basic aspects of material sciences: Photonics, Polymers and Soft Matter, Chemical Physics of Complex Materials and Electronic Properties at the Nanoscale. MATERIALS SCIENCE INSTITUTE OF SEVILLE Materials Science and Technology http://www.icms.us-csic.es/ The Institute of Materials Science of Seville (ICMS) is a joint institute of CSIC and the University of Seville. It researches various areas of solid-state physics and chemistry, physical chemistry of surfaces, and other related disciplines of materials science. MEDICINAL CHEMISTRY INSTITUTE **Chemical Science and Technology** http://www.igm.csic.es/ The Medicinal Chemistry Institute (IQM) is a CSIC research institute whose objective is the design and synthesis of potential new drugs. MEDITERRANEAN INSTITUTE FOR ADVANCED STUDIES **Natural Resources** s-centros-y-unidades/mediterranean-institute The Mediterranean Institute for Advanced Studies (IMEDEA) is a joint research centre of CSIC and the Universitat de les Illes Balears (UIB). Its aim is to identify and elucidate the causes, mechanisms and impacts of anthropogenic activities and Global Change that threaten marine, coastal and insular systems fostering prevention and mitigation of these impacts. MOLECULAR BIOLOGY INSTITUTE OF BARCELONA **Biology and Biomedicine** http://www.ibmb.csic.es/ The Institute of Molecular Biology of Barcelona (IBMB) is a CSIC research institute. Its main purpose is to promote excellent research and to contribute to fundamental scientific advances across a broad spectrum of life sciences. NANOMATERIALS AND NANOTECHNOLOGY RESEARCH CENTER Materials Science and Technology http://www.cinn.es/ The Nanomaterials and Nanotechnology Research Centre (CINN) is a joint initiative of three institutions: The State Agency CSIC, the Principality of Asturias and the University of Oviedo. It combines interdisciplinary research and it aims to create new technology-based companies in the fields of nanomaterials and nanotechnology. NATIONAL CENTRE FOR BIOTECHNOLOGY **Biology and Biomedicine / Agricultural Sciences** http://www.cnb.csic.es/ The National Centre for Biotechnology (CNB) is a research centre that forms part of CSIC. It works to unlock the secrets of living organisms and to apply research results to the development of new, safer, more effective compounds and technologies that will allow for the improvement of health, agriculture and the environment. NATIONAL CENTRE FOR METALLURGICAL RESEARCH **Materials Science and Technology** http://www.cenim.csic.es/ The National Centre for Metallurgical Research (CENIM) belongs to CSIC. Its aim is to enhance development and innovation in the Spanish metallurgical industry. NATIONAL CENTRE OF ACCELERATORS Physical Science and Technologies http://www.centro.us.es/cna The National Centre of Accelerators (CNA) is a joint centre of the University of Seville, the regional government of Andalusia and CSIC. It is dedicated to interdisciplinary research on particle accelerators and its multiple applications. NATIONAL COAL INSTITUTE **Chemical Science and Technology** http://www.incar.csic.es/ The National Coal Institute (INCAR) is a CSIC institute researching the science and technology of coal and its derivatives. It mainly focuses on two research lines: the development of carbon and inorganic materials for structural, energetic and environmental applications as well as coal conversion and clean technologies. NATIONAL MUSEUM OF NATURAL SCIENCES **Natural Resources** http://www.mncn.csic.es/ The National Museum of Natural Sciences (MNCN) is a CSIC research institute that, apart from performing scientific research, manages and important collection of specimens and offers exhibitions and educational activities for the general public. Its objective is promoting knowledge of the diversity of the natural world in order to improve the perception of science and preserve the richness of our natural heritage. PADRE SARMIENTO INSTITUTE OF GALICIAN STUDIES **Humanities and Social Sciences** The Padre Sarmiento Institute of Galician Studies (IEGPS) is a joint centre of CSIC and the regional government of Galicia. Its current activities are focused on history and heritage, from the Middle Ages to the modern day. Prominent among its main lines of research are studies on kinship and networks of power in the Middle Ages, diplomatic, epigraphic and heraldic sources, and

PYRENEAN INSTITUTE OF ECOLOGY Natural Resources http://www.ipe.csic.es/

The Pyrenean Institute of Ecology (IPE) is a CSIC research institute focused on the study of changes as a consequence of global change, including climate variability and human activities, providing a scientific basis for conservation and management.

RESEARCH INSTITUTE FOR ARTIFICIAL INTELLIGENCE Physical Science and Technologies <a href="http://www.iiia.csic.es/">http://www.iiia.csic.es/</a>

The Institute for Artificial Intelligence (IIIA) is a research centre belonging to CSIC. IIIA has three main research lines: logic, reasoning and search; case-based reasoning & learning; intelligent igents and multiagent systems. These research lines are applied to many domains. The main ones are electronic markets, agreement technologies, medicine, music, information privacy/security.

and autonomous robots

ROYAL BOTANICAL GARDEN Natural Resources http://www.rjb.csic.es/

The Royal Botanical Garden (RJB) is CSIC's own institute whose scientific aim is to discover current diversity of plants and fungi as well as understand the origin of such diversity and promote its preservation.

SCHOOL OF ARABIC STUDIES Humanities and Social Sciences <a href="http://www.eea.csic.es/">http://www.eea.csic.es/</a>

The School of Arabic Studies (EEA) is a research centre that belongs to CSIC. The research activity in EEA focuses on Arabic studies and the establishment of cultural ties with Islamic countries, especially in the north of Africa.

SCHOOL OF HISPANO-AMERICAN STUDIES Humanities and Social Sciences <a href="http://www.eeha.csic.es/">http://www.eeha.csic.es/</a>

The School of Hispano-American Studies (EEHA) is CSIC's own research institute and aims is to promote research and teaching on the History of America. It promotes relations between scientists and cultural exchanges between americanists researchers on both sides of the Atlantic.

SEVILLE INSTITUTE OF MICROELECTRONICS Physical Science and Technologies <a href="http://www.imse-cnm.csic.es/">http://www.imse-cnm.csic.es/</a>

The Seville Institute of Microelectronics (IMSE) is a joint research centre of CSIC and the University of Seville. Its main area of specialization is the design of CMOS analog and mixed-signal integrated circuits and their use in different application contexts such as radiofrequency, microsystems or data conversion.

THE RESEARCH LABORATORY IN FLUID DYNAMICS AND COMBUSTION
TECHNOLOGIES

Physical Science and Technologies

http://www.liftec.unizar-csic.es/es/

The Research Laboratory in Fluid Dynamics and Combustion Technologies (LIFTEC) is a joint centre of CSIC and the University of Zaragoza. It focuses essentially on the area of ??Fluid Mechanics, particularly that applied to environmental issues such as applied combustion, hydrology and hydraulics, fluid engineering and fuel cells.

ZAIDÍN EXPERIMENTAL STATION Agricultural Sciences http://www.eez.csic.es/

The Zaidin Experimental Station (EEZ) is CSIC's own research centre. It carries out cutting-edge research in biology (plant and animal biology and microbiology) and promotes the development of environmental applications as well as sustainable agriculture and livestock production

NATIONAL INSTITUTE OF AGRICULTURAL AND FOOD RESEARCH AND
TECHNOLOGY
Food Science and Technology / Agricultural
Sciences
https://www.inia.es/

The National Institute of Agricultural and Food Research and Technology (INIA) is a reference public research organization in agri-food and forestry science and technology, at a national and international level, whose objective is to support sustainable economic growth and well-being is society, through agricultural and food research and innovation.

CENTER FOR PLANT GENETIC RESOURCES AND SUSTAINABLE AGRICULTURE

Food Science and Technology / Agricultural
Sciences

https://www.inia.es/nosotros/centros/departamentos/Centros/CRF/Paginas/Home.aspx#

The Center for Plant Genetic Resources and Sustainable Agriculture (CRF) of the National Institute of Agricultural and Food Research and Technology (INIA-CSIC) has the legal mandate to conserve, coordinate activities and facilitate the use of the resources held in the banks of the Network of the National Plant Genetic Resources Program

FORESTRY RESEARCH CENTER

Food Science and Technology / Agricultural
Sciences

https://www.inia.es/nosotros/centrosdeparta
mentos/Centros/CIFOR/Pages/Home.aspx

The Forestry Research Center (CIFOR) of the National Institute of Agricultural and Food Research and Technology (INIA-CSIC) is one of the main forestry science centers in Spain, creating knowledge about the operation, conservation, management and sustainable use of systems and forest resources.

ANIMAL HEALTH RESEARCH CENTER

Food Science and Technology / Agricultural
Sciences

https://www.inia.es/nosotros/centrosdeparta
mentos/Centros/CISA/Pages/Home.aspx

The Animal Health Research Center (CISA) of the National Institute of Agricultural and Food Research and Technology (INIA-CSIC) has the objective of promoting research and surveillance for the prevention, diagnosis and control of infectious transmissible animal diseases, with a health and economic impact, and pathogens that produce them, including the development and transfer of technologies and cooperation with national and international organizations and institutions.

CENTER FOR BIOTECHNOLOGY AND PLANT GENOMICS

Agricultural Sciences

https://www.cbqp.upm.es/index.php/es/

The Center for Plant Biotechnology and Genomics (CBGP) of the National Institute of Agricultural and Food Research and Technology (INIA-CSIC) has its origin in the perception of a double need: to continue conducting basic research at a competitive level, and to respond to the demands for new products, processes and services related to plant biology, coming from of economic agents.

Food Science and Technology

SPANISH INSTITUTE OF OCEANOGRAPHY

Agricultural / Sciences

Natural resources

The Spanish Institute of Oceanography (IEO) is a public research organization dedicated to research in marine sciences, especially in relation to scientific knowledge of the oceans, the sustainability of fishery resources and the marine environment. The IEO is not limited to carrying out basic and applied research, it also provides scientific and technological advice to administrations in matters related to oceanography and marine sciences.

Food Science and Technology

VIGO OCEANOGRAPHIC CENTER

Agricultural / Sciences
Natural resources

Natural resources

The Vigo Oceanographic Center (COV) is one of the nine Oceanographic Centers of the Spanish Institute of Oceanography (IEO-CSIC). The center guides its research teams in four areas of knowledge, fisheries research, the marine environment and environmental protection, with special emphasis on aspects of pollution and red tides, which have a great impact on Galician estuaries and aquaculture.

Food Science and Technology
A CORUÑA OCEANOGRAPHIC CENTER
Agricultural / Sciences
Natural resources
http://www.ieo.es/coruna

The A Coruña Oceanographic Center (COAC) is one of the nine Oceanographic Centers of the Spanish Institute of Oceanography (IEO-CSIC). The center structures its research within the Fisheries Area, with the aim of learning about the status of fish, mollusk and crustacean stocks, and within the Marine Environment and Environmental Protection Area, with the aim of learning about oceanographic processes and the influence of their variability in biological production and marine resources.

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Food Science and Technology GIJÓN OCEANOGRAPHIC CENTER Agricultural / Sciences http://www.ieo.es/gijon Natural resources The Gijón Oceanographic Center (COG) is one of the nine Oceanographic Centers of the Spanish Institute of Oceanography (IEO-CSIC). The center conducts multidisciplinary research on marine systems with three main lines of research: ocean circulation and hydrographic variability, benthic ecology, plankton ecology, and pelagic ecosystem dynamics. **Food Science and Technology** SANTANDER OCEANOGRAPHIC CENTER Agricultural / Sciences http://www.ieo.es/santander Natural resources The Santander Oceanographic Center (COST) is one of the nine Oceanographic Centers of the Spanish Institute of Oceanography (IEO-CSIC). The center structures its research within the Fisheries Area, the Marine Environment and Environmental Protection Area and within Marine Aquaculture. Food Science and Technology **BALEARES OCEANOGRAPHIC CENTER** Agricultural / Sciences http://www.ieo.es/baleares Natural resources The Baleares Oceanographic Center (COB) is one of the nine Oceanographic Centers of the Spanish Institute of Oceanography (IEO-CSIC). Its main objective is to investigate marine ecosystems, their functioning and biodiversity, the ecology of the species that compose them and their relationships with the environment and fishing exploitation, from a multidisciplinary and comprehensive approach. Food Science and Technology MURCIA OCEANOGRAPHIC CENTER Agricultural / Sciences http://www.ieo.es/murcia Natural resources The Murcia Oceanographic Center (COMU) is one of the nine Oceanographic Centers of the Spanish Institute of Oceanography (IEO-CSIC). The center structures its research within the Fisheries Area, the Marine Environment and Environmental Protection Area and within Marine Aquaculture. Food Science and Technology MÁLAGA OCEANOGRAPHIC CENTER Agricultural / Sciences http://www.ieo.es/malaga Natural resources The Málaga Oceanographic Center (COMA) is one of the nine Oceanographic Centers of the Spanish Institute of Oceanography (IEO-CSIC). The center is dedicated to the sustainable management of fishing resources, the knowledge and conservation of marine biodiversity, the study of the effects of climate change and pollution on ecosystems, the mapping of the seabed or the assessment of geological risks such as tsunamis or submarine volcanoes. **Food Science and Technology** Agricultural / Sciences http://www.ieo.es/cadiz Natural resources The Cádiz Oceanographic Center (COCAD) is one of the nine Oceanographic Centers of the Spanish Institute of Oceanography (IEO-CSIC). The center is fundamentally dedicated to research on fishery resources and the marine environment. Food Science and Technology CANARIAS OCEANOGRAPHIC CENTER Agricultural / Sciences http://www.ieo.es/canarias Natural resources The Canarias Oceanographic Center (COC) is one of the nine Oceanographic Centers of the Spanish Institute of Oceanography (IEO-CSIC). The center structures its research within the Marine Living Resources and Fisheries Area, the Marine Environment Area (oceanography, underwater volcanology and global change) and the Environmental Protection Area. Science and Technology of Materials / **GEOLOGICAL AND MINING INSTITUTE OF SPAIN** Chemical Science and Technologies / https://www.igme.es/ Natural resources

The Geological and Mining Institute of Spain (IGME) is a public research organization dedicated to research The iegm is dedicated to research in Earth Sciences and Technologies, especially in the fields of geology, hydrogeology, geo-environmental sciences, geological and mineral resources.

FGCSIC ComFuturo 10 CSIC Research Institutes