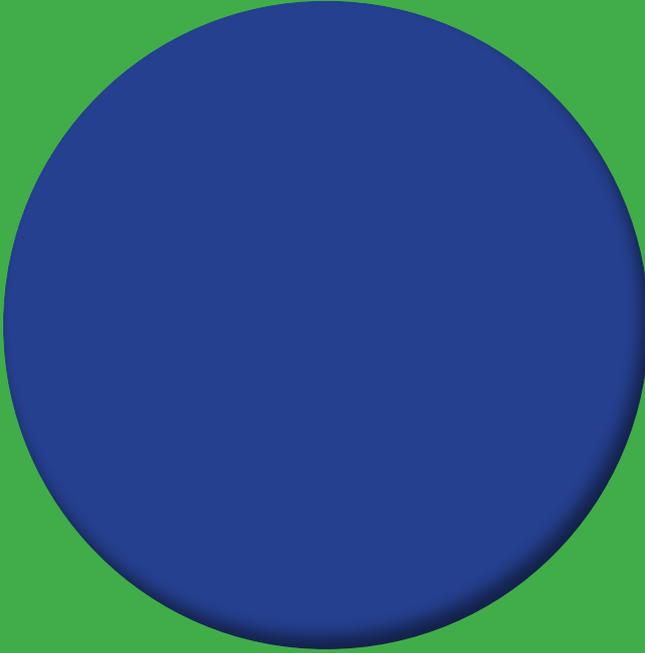


UNESCO CHAIR IN **LIFE CYCLE AND CLIMATE CHANGE**



ESCI 
School of International Studies

ESCI 
School of International Studies

**Science
at the service of
the environment
and society**



United Nations
Educational, Scientific and
Cultural Organization



University Twinning
and Networking
Programme

**SUPPORT THE CHAIR
SUPPORT YOURSELF**

There are many opportunities for becoming a partner and joining efforts with the UNESCO Chair in Life Cycle and Climate Change ESCI-UPF and UNESCO to achieve a more sustainable development by supporting research, education, and communication.

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Message from the Director



Dr. Pere Fullana Palmer, Director of the UNESCO Chair in Life Cycle and Climate Change ESCI-UPF

YESTERDAY

The pursuit of environmental sustainability at the UNESCO Chair in Life Cycle and Climate Change ESCI-UPF (formerly known as the Research Group in Environmental Management (GiGa) at ESCI-UPF) continues a more than a decade of endeavor to allow a substantial improvement in methodologies supporting life cycle applications to climate change mitigation.

TODAY

The UNESCO Chair in Life Cycle and Climate Change ESCI-UPF is an international centre of excellence in Life Cycle Assessment (LCA), and a leading source of innovative research on LCA and its application on mitigating climate change. It was founded in December 2010 by agreement

between the United Nations Organization for Education, Science and Culture (UNESCO) and the Universitat Pompeu Fabra (UPF), being ESCI-UPF (Barcelona, Spain) the host institution.

TOMORROW

The Chair's long-term missions to meet tomorrow's challenges include promoting scientific research, cooperation, education and communication on sustainable development of products and services at national and international level for the benefit of the environment and society.

Director's Profile

Dr Pere Fullana i Palmer holds a PhD in Industrial Engineering (URL) – Caja Madrid Award–, and degrees in Industrial Engineering (UAB) and Chemical Engineering (IQS-URL) – Award for Best Bachelor's Degree Final Project (BDFP) in 1988–. He has also complemented his academic education with postgraduate studies in informatics and business management. He is Full Professor at ESCI-UPF, where also currently serves as Director of the UNESCO Chair in Life Cycle and Climate Change ESCI-UPF.

He contributes to several postgraduate educational activities, mainly focused on supervising PhD students. Nevertheless, Dr Fullana is currently Lecturer on the Master's degree in Waste Management (UPM) and Module Coordinator for the Master in Environmental Management (USJ). Finally, at the Bachelor's level, he also teaches Sustainability Management at the Bachelor's Degree in International Business and Marketing (BDIBM) ESCI-UPF.

His international focus led him to chair the SETAC Europe LCA Steering Committee and to be the first LCA member of the SETAC Europe Council. For many years, he has been an active Spanish delegate of ISO and CEN environmental standardization committees. He has participated in the life cycle initiative by the United Nations Environment Programme (UNEP) and the Society of Environmental Toxicology and Chemistry (SETAC), the UNEP/SETAC Life Cycle Initiative, since its early

days. Dr Fullana has also participated in the development of the GHG Protocols for Scope 3 and Product, and is currently a member of the Union for the Mediterranean (UfM) Climate Change Expert Group.

He was awarded the Best Scientific Contribution Award by the International Society for Industrial Ecology in 2009 at the 4th International Conference on Life Cycle Management, LCM2009. The Chair was acknowledged as runner-up for the 2008 Europe INNOVA Award of the European Commission. In 2008, the Chair was awarded the "Premi Medi Ambient 2008 a projectes de recerca, desenvolupament i innovació encaminats a la mitigació del canvi climàtic" ("Environment Award 2008 for research, development and innovation projects aimed at mitigating climate change") given by the Department of the Environment and Housing of the Government of Catalonia to ECOTOY - "ECOdesign in the TOY sector with electrical and electronic devices" Project. In 2013, it received a Mention of Energy Excellence by the Catalan Government. In 2018, it received the most relevant Scientific Contribution Award at the RECUWASTE Congress for the LIFE Zero Cabin Waste Project, and the Best Student Oral Presentation Award and the Best Student Poster Award by the LCA Food 2018 conference at Bangkok, Thailand.



About us

The UNESCO Chair in Life Cycle and Climate Change ESCI-UPF was established in 2010 at the Escola Superior de Comerç Internacional (ESCI-UPF, Barcelona), by agreement between the Universitat Pompeu Fabra (UPF) and the United Nations Organization for Education, Science and Culture (UNESCO). It was built on top of the already running Research Group on Environmental Management (GiGa), as a center of excellence in Life Cycle Assessment (LCA) and its applications to climate change mitigation. In 2010, GiGa became the UNESCO Chair in Life Cycle and Climate Change ESCI-UPF. In 2018, the Chair obtained the recognition as a Consolidated Research Group (GRC, in its Catalan acronym) from the Catalan Government's Agency for Management of University and Research Grants (AGAUR, Agència de Gestió d'Ajuts Universitaris i de Recerca).

The UNESCO Chair ESCI-UPF is, together with the Mango Chair in Corporate Social Responsibility (CSR) and the Research in International Studies and Economics (RISE) group at ESCI-UPF, part of a research division dealing with the three dimensions of sustainability (environmental, social and economic).

According to the objectives of the agreement with UNESCO, the Chair aims at promoting scientific research, cooperation, education and communication on sustainable development of products and services at national and international level for the benefit of the environment and society. Thus, facilitating

partnerships between internationally renowned Researchers and Academicians of universities and other institutions in Europe, Latin America, the Caribbean and Africa, among others, such as Middle East and Asia.

The Chair gives priority to the development of applied research, training programmes, and dissemination at national and international level, in institutions of higher education, scientific research and professional training, joining efforts with the UNESCO to achieve the Sustainable Development Agenda by 2030.

The long-term development objectives of the Chair are to:

- Contribute to fostering environmental sustainability by establishing an international knowledge pool on Life Cycle Management through research, education and the dissemination of activities, with a special focus on mitigating climate change.
- Promote capacity building through the integration of research and education in Latin America, the Caribbean and Africa, by establishing cooperation and networking relationships with foreign entities.
- Disseminate and support interdisciplinary research projects integrating economic and social aspects, as well as environmental governance, in order to allow a substantial improvement in methodologies supporting life cycle applications for climate change mitigation.

MISSION

To join efforts for research and education with partners across the globe in line with the principles defined by the UNESCO to streamline the life cycle perspective in decision making when dealing with sustainability challenges.

VISION

The Chair aspires to change the world for the better, being a national and internationally trusted source of high-impact research, policy making, and business partnerships on Life Cycle Assessment (LCA) and circular economy, and their application on mitigating climate change.

VALUES

- Amplifying UNESCO's and ESCI-UPF's work and mission: UNESCO and ESCI-UPF comparative advantage, relevance and added-value.
- Applying knowledge to experience: Expertise in ecodesign, LCA, environmental communication and design of Environmental Management Systems (EMS) oriented to products, services and organisations.
- Improving, sharing solutions for a circular economy: Innovation capacity.
- Working globally to fulfill public administration, businesses and society's needs: Convening power and leadership on sustainability.
- Providing an international perspective, thinking globally: Internationality.

THE UNESCO CHAIRS

Launched in 1992, the UNITWIN/UNESCO Chairs Programme, which involves over 700 institutions in 116 countries, promotes international inter-university cooperation and networking to enhance institutional capacities through knowledge sharing and collaborative work.

The programme supports the establishment of UNESCO Chairs and UNITWIN Networks in key priority areas related to UNESCO's fields of competence – i.e. in education, the natural and social sciences, culture and communication.

The UNESCO Chair ESCI-UPF was the first of the UNESCO Chairs worldwide to explore life cycles, including carbon and water footprints in relation to climate change.



Outstanding achievements

Contributing to fostering environmental sustainability by establishing an international knowledge pool on Life Cycle Management through research, education and the dissemination of activities, with a special focus on mitigating climate change.

- The Chair has participated in or has led around 50 national and international competitive research projects and a similar number of industrial research projects;
- has contributed to bachelor's, and master's degrees; and Doctorate Programmes, with more than 15 PhD students;
- and has built different research platforms such as Construction21 Internet platform (www.construction21.eu).

Promoting capacity building through the integration of research and education in Latin America, the Caribbean, and Africa, by establishing cooperation and network relationships with foreign entities.

- The Chair has hosted 17 exchange researchers, including two PhD students from Brazil and Colombia, and has additionally signed 46 partnerships.
- Within Construction21, it has signed more than 50 collaboration agreements, recently welcoming Morocco and China as new partners.
- The Chair signed a Memorandum of Understanding (MoU) with UNEP aimed at providing a framework of cooperation and understanding, and facilitating the collaboration between the Parties to further contribute to their shared goals in regard to the global use of credible life cycle knowledge in order to facilitate identification and implementation of improvement policies and practices for promoting and delivering Resource Efficiency (RE) and Sustainable Consumption and Production (SCP). Within this MoU, two SSFA (Small Scale Funding Agreement) in 2014 and 2017, a PCA (Project Cooperation Agree-

ment) in 2016 and, a DMFA (De minimis Financial Agreement) in 2016 have been signed to support LCA methodologies development, national and regional initiatives in Africa and Latin America, quality assurance system of deliverables and stakeholders consultations with focus on emerging and rapidly growing economies.

- The EDULINK and MSE.ESE Projects (to develop Master Programmes) have permitted to partner with universities in South Africa, Botswana, Namibia, Jordan (2), Syria (2), Tunisia (2) and Egypt (2).

Disseminating and supporting interdisciplinary research projects integrating economic and social aspects, as well as environmental governance, in order to allow substantial improvement in methodologies supporting life cycle applications for climate change mitigation.

- The Chair has published around 100 Articles in prestigious international scientific journals such as *Environmental Science and Technology*, *The International Journal of Life Cycle Assessment*, *Ecological Modelling*, *Journal of Industrial Ecology*, *Ecological Indicators' Journal*, or *Journal of Cleaner Production*. A high number of other contributions such as Books, Book chapters, and Conference papers, as well as other guide-type publications, have been produced as well.
- The International Life Cycle Academy has been attracted and is being hosted at ESCI-UPF.
- Major international and national conferences have been hosted by the Chair. The Chairholder has contributed to many other, including conferences in Lebanon and Jordan.
- An integrated bigger group is being established with the two other research groups at ESCI-UPF: the Mango Chair in Corporate Social Responsibility and the Research Group in International Business and Economy (RISE).

Research at a Glance

Studies at the Chair deal with Sustainability Management from a life cycle perspective, focussing on Environmental Science and Engineering, and/or including social and economic aspects in addition to the environmental ones. Its research activity covers methodological development and application in areas such as: LCA, eco-design, eco-labels, environmental declarations, eco-innovation, sustainability, circular economy, environmental marketing, etc. Research Lines at the Chair are structured on a sectoral basis: agrifood, construction, energy, new materials, packaging, tourism, waste, and others.

Research Lines



AGRI-FOOD RESEARCH LINE

Led by Laura Batlle: "The agri-food industry is one of the most important industrial sectors in Spain and one of the most important contributors to global environmental impact. We focus on exploring different ways to improve the sustainability of the sector at national and international levels."



SUSTAINABLE CONSTRUCTION AND ENERGY RESEARCH LINE

Led by Jaume Albertí: "We focus on delivering knowledge based tools and information to decision and policy makers, manufacturers and all the agents involved in modifying the built environment. We aim to develop and implement life cycle assessment tools (such as Environmental Product Declarations) useful to all the hierarchy in the construction sector: from brick manufacture to city management and planification."



NEW MATERIALS AND TECHNOLOGIES RESEARCH LINE

Led by Didem Civancik-Uslu: "We do research by using our expertise for environmental, economic and social evaluation of new materials and technologies developed by production companies, providing them sustainable development, eco-design and circular economy alternatives. By doing so, we can guide and inform businesses, manufacturers and policy makers about the environmental impacts of newly developed products and technologies."



WASTE MANAGEMENT RESEARCH LINE

Led by Dr Alba Bala: "We develop methodology and applications for a better waste management. We foster an objective assessment of management options, looking for areas of improvement and providing assistance for the communication of results."



PACKAGING, TOURISM

Among other interdisciplinary lines.

RESEARCH ACTIVITIES

The main research activities at the Chair are:

- Analysing policies and developing models and good practices.
- Evaluating environmental impacts of international trade.
- Defining environmental, social and economic indicators.
- Developing environmental policies for products
- Developing methods for the improvement of existing assessment tools.

LIFE CYCLE PERSPECTIVE AT THE CHAIR

The concept of life cycle perspective introduced by the old, but still relevant, Integrated Product Policy (IPP)—European Union (EU) level initiative—, consists of considering all resources consumed and environmental impacts associated with all the stages of a product's life, for decision-making.

The IPP aims at reducing the environmental impact of products through their life cycle in an integrated way taking into account economic and social impacts and following, where possible, a market-driven approach with involvement from stakeholders.



PRODUCT AND SERVICE IMPROVEMENT AT THE CHAIR

- Life Cycle Assessment (LCA): analysis of the potential environmental impacts of a product or service throughout its life cycle, following the internationally recognized ISO 14040 and 14044 standards.
- Life Cycle Costing (LCC) studies together with a complementary LCA: LCC summarizes all costs associated within the life cycle of a product that are directly covered by one, or more, of the actors involved in the products life cycle, including externalities that are anticipated to be internalised in the decision-relevant future.
- Social Life Cycle Assessment (S-LCA) studies together with a complementary LCA: S-LCA is a method that can be used to assess the social and sociological aspects of products, their actual and potential positive as well as negative impacts along the life cycle.
- Ecodesign: introduction of environmental criteria in the product or service development process with the aim of minimizing its impact throughout its life cycle.
- Ecoinnovation: a new business approach which promotes sustainability throughout the entire life cycle of a product, while also boosting a company's performance and competitiveness.
- Green Public Procurement: green purchasing through the development and implementation of environmental criteria for the tendering process of a product or service.
- Circular economy: measurement of circularity and promotion of different circularity options for companies and products.



Environmental Communication

The communication of environmental impacts through environmental product declarations is a constantly growing area since the introduction of the IPP.

- Development of criteria for ecolabels: definition of rules for awarding ecolabels Type I and Type II.
- Environmental Product Declarations (EPD): development of Type III ecolabels and product category rules.
- Product Environmental Footprint (PEF): development of multi-indicator measure of your impacts to identify trade-offs and make better strategic decisions.
- Carbon and Water Footprints: development of methodology and Product Category Rules.

Education Programmes



TRANSFERRING KNOWLEDGE

- Life Cycle Assessment (LCA): introductory and advanced training in LCA methodology.
- Ecodesign: general concepts and practical application of ecological design through environmental analysis and the implementation of ecodesign strategies.
- Environmental Products Declarations: environmental information of products using environmental labels.
- Circular economy: conceptual and applied courses to bring circular economy into practice.
- Green Public Procurement: green purchasing through the development and implementation of environmental criteria for the tendering process of a product or service.
- Greening Events: general concepts and practical application to reduce the environmental impact caused by events.

The Chair offers several workshops on environmental improvement of products, both at ESCI-UPF's offices and in-company, such as: Introduction to Life Cycle Assessment (LCA), Advanced Life Cycle Assessment Course, Introduction to Ecodesign, Environmental communication of products and services, and Introduction to GaBi Software (LCA Software); among others.

Innovation Bridge

The UNESCO Chair ESCI-UPF has taken part in and/or coordinated a significant number of national and Cross-Border-Cooperation/ international projects on Life Cycle Assessment (LCA), Ecodesign, green purchasing and environmental communication of products (ecolabels), carbon and water footprints, governance in environmental management, and integration of social and economic considerations when assessing environmental impacts. These projects, funded by public and private organisations, provide compatibility with the requirements of the market, varying social preferences and respect for the environment, thereby integrating the three dimensions of sustainable development.

THE CHAIR HAS PARTICIPATED IN MORE THAN 100 INTERNATIONAL AND NATIONAL RESEARCH PROJECTS

HIGHLIGHTED INTERNATIONAL RESEARCH PROJECTS

GUIDANCE DOCUMENT ON KEY ENVIRONMENTAL INDICATORS FOR THE TOURISM PRIVATE SECTOR

UN Environment (2017). This guidance document is the outcome of collaboration between major life cycle approach and sustainable tourism experts from academia, international organizations and industry associations.

LIFE ZERO CABIN WASTE

Tackling International airline catering waste by demonstrating integral and safe recollection, separation & treatment (01/09/2016-31/12/2019). LIFE Zero Cabin Waste aims to create an integrated model to reduce, reuse and recycle waste collected from aircraft (including energy recovery) and provide the basis for other airlines to replicate this approach.

ENERBUILCA

Life Cycle Assessment for Energy Efficiency in Buildings (01/01/2011-31/12/2012). The goal of the project is to enhance sustainability in construction and buildings rehabilitation. The main result of EnerBuiLCA has been the development of an on-line computer tool for life cycle assessment of new or already existing buildings. For this purpose, a Database has been created containing updated environmental information on construction products collected from Environmental Product Declarations (EPD) and information on construction solutions representative from Spain, France and Portugal.

CONSTRUCTION21

The European platform for green building practitioners (04/05/2011- present). Construction21 International network aims



at serving as a meeting and communication point, offering a network for information exchange and a repository of collective intelligence derived from the sharing of credible knowledge and providing a framework, that improves collaboration locally, nationally, and internationally. Through these objectives, the Construction21 international network will significantly improve the environmental, energy and economic performance of the building industry for the whole of Europe and beyond.

HAPROWINE

Integrated waste management and life cycle assessment in the wine industry (01/01/2010-31/12/2013). The objective of the HAProWINE Project is to contribute to sustainable development in the winery sector of the Castilla y León Region of Spain through the promotion of the rational and sustainable use of resources using a life-cycle approach; the supply-and-demand of products with a smaller ecological footprint throughout their life cycle; the prevention, recovery and recycling of winery wastes; the synthesis of high value-

added compounds that can be obtained from the different wine waste streams. The main results of the Project include the identification of the different wine sector streams, the value-added compounds that can be obtained from wine waste streams and strategies to obtain them. A label that distinguishes environmentally responsible wine has also been developed, together with the definition of Product Category Rules (PCR) and Environmental Product Declarations (EPD) for a series of participating wineries.

FENIX

GIVING PACKAGING A NEW LIFE

(01/01/2010-31/12/2012). The goal of the FENIX Project is to contribute to improving the sustainability in the packaging waste management, according to the principles of the European policy as regards waste management. The main result of the Project is a software tool based on LCA methodology, flexible and user-friendly. The software tool enables to compare and analyse different options for packaging waste management in order to help with decision making in public administrations. In addition, the tool takes into account the most relevant social and economic aspects of waste management.

**HIGHLIGHTED NATIONAL
RESEARCH PROJECTS****CERES-PROCON**

Food consumption strategies for climate change mitigation: towards an environmentally sustainable diet (30/12/2016-29/12/2019). The main goal of CERES is to have a more responsible and sustainable food consumption through healthier diets which are respectful for nature and specifically contribute to the mitigation of climate change.

ARIADNA

Sustainability study on the introduction of a mandatory DRS for beverage packaging in Spain: a comparative environmental, social and economic analysis versus the current situation (10/2015-07/2016). The objective of the ARIADNA Study is to analyse the environmental, economic, and social sustainability of the implementation of a mandatory Deposit and Return System (DRS) in Spain (and in Catalonia, as a pilot region). The study compares the current system of Extended Producer Responsibility (EPR) for managing the waste with a hypothetical situation of both systems (ERP and DRS). It is the most comprehensive study on DRS carried out to date in Europe.

SOSTUR

Technical assistance for the methodological design of the sustainability assessment of touristic destinations with an urban metabolism approach (01/01/2014-01/03/2015). The main objective of the project is to promote the sustainability of touristic destinations. In doing so, the main results of the project include the development of a methodology which includes the combination of LCA and input-output tables for undertaking the sustainability assessments of these destinations, the selection of indicators and undertaking a pilot test of the methodology.

DAP BRICK

Tool to obtain the Environmental Product Declaration (EPD) of ceramic products (03/2015-06/2017). The overall objective of the project is to develop a simplified tool that allows manufacturers of structural ceramic products to obtain Environmental Product Declaration (EPD) in a faster and more competitive way. This is intended to promote eco-innovation and environmental improvement in the manufacture of these and increase the competitiveness of the Spanish sector of structural ceramics.

GRANIC

Environmental Assessment of Plastic Composites with Mineral Fillers (10/10/15-ongoing). The goal of the project is to assess environmental impacts of plastics compounds with mineral additives through the use of enhanced LCA Methodology. Application of composites to different food packaging applications are chosen to be investigated throughout their life cycle.

RENIA

Design and development of software for the assessment, eco-design and environmental communication of solar systems used in building (01/06/2010-30/06/2013). The main goal and result from RENIA Project is the design and development of software, based on life cycle analysis, to assess environmental and economical impacts of the devices for solar energy uptake and thermal and photovoltaic solar energy facilities on each phase of a building life cycle.



Opportunities for companies

THE CHAIR SPIN OFF

The UNESCO Chair in Life Cycle and Climate Change ESCI-UPF technological spin off Cyclus Vitae Solutions, S.L. was created in 2010 at the initiative of the Chair and the Grup Igualada Recerca (GIR) at the Igualada Engineering School (EEI-UPC), under the guidance of Dr Pere Fullana i Palmer, director of the Chair. It was established with the clear vocation to provide practical solutions to meet the demands of public and private institutions, universities and other technology centres, and businesses, in line with ESCI-UPF's mission.

The Chair Spin off is an innovative service-based company aimed at advising companies in the minimisation of their impacts on the environment and incorporating social and economic aspects to have a more sustainable vision. It offers innovative solutions based on the life cycle perspective and gathers the experience acquired over the years by Chair's researchers in the field of environmental improvement of products and processes. What is developed at the Chair within its research projects, can be replicated by the spin-off through consultancy projects.

CYCLUS VITAE SOLUTIONS, S.L. PROVIDES

- Experience in eco-design, Life Cycle Assessment (LCA), calculation of Carbon Footprint, ecolabels and environmental communication.

- Innovation's capacity, being part of the most prestigious scientific communities and carrying out ambitious European projects.

- Drawing power, as being in permanent dialogue with state, managerial and civil organisations.

- Internationality to find global solutions.

- Experience and commitment to clients through strong collaborations.

Since its creation, Cyclus has carried out outstanding projects including the LCA of the plastic products Granic® (plastic compounds and mineral masterbatches) produced at their plant in Barcelona, and the Calculation of the Carbon Footprint of the products awarded by the "2016 Design Prize for Recycling" of the Catalan Waste Agency.

Thanks to the experience and versatility of its members, is capable of providing technological and innovative solutions, turning into the strategic partner of its clients. For more information contact: info@cyclusvitae.com.

Strategic Partnership

EXPANDING STRATEGIC COLLABORATION WITH PARTNERS AND DESIGNING BUSINESS TOOLS

The UNESCO Chair in Life Cycle and Climate Change ESCI-UPF maintains partnerships and collaborative agreements with research institutions, non profit organisations, state-owned enterprises and public bodies, and private-sector entities at national and international level. During its existence, the UNESCO Chair ESCI-UPF has established a considerable number of partnerships with other Institutions.



RESEARCH INSTITUTIONS

Joining efforts for competitive project proposals

- Universidad de Málaga (Andalusia, Spain)
- Universidad de Cantabria (Cantabria, Spain)
- CIRCE Foundation - Research Centre for Energy Resources and Consumption (Zaragoza, Spain)
- San Jorge University (Zaragoza, Spain)
- IETcc - Eduardo Torroja Institute for construction Science, CSIC (Madrid, Spain)
- EEI - Igualada School of Engineering, CETI-UPC (Catalonia, Spain)
- ITeC - The Catalonia Institute of Construction Technology (Catalonia, Spain)
- Polytechnic School of the University of Girona (Catalonia, Spain)
- Universidad de Medellín (Colombia)
- Università di Padova (Italy)
- EMSE - École des Mines de Saint-Étienne (France)
- DUT - Dalian University of Technology (China)
- LNEG - Laboratório Nacional de Energia e Geologia (Portugal)
- ECOEMBES - Ecoembalajes España, S.A. (Spain)
- UNESCO's Association of Igualada (Spain)
- International Life Cycle Academy (ILCA)

PRIVATE-SECTOR ENTITIES

- ARECO – Association of Logistics Operators for Eco-sustainable Reusable Items (Spain)
- GRANIC - GCR Group
- Ball Corporation

STATE-OWNED ENTERPRISES OR PUBLIC BODIES

- Generalitat de Catalunya (Government of Catalonia, Spain)
- CADS - Consell Assessor per al Desenvolupament Sostenible (Catalonia, Spain)
- ACR - Agència Catalana de Residus (Catalan Waste Agency) (Catalonia, Spain)
- Ajuntament de Lloret de Mar (Catalonia, Spain)
- Fira Barcelona (Catalonia, Spain)
- Regional Activity Centre for Sustainable Consumption and Production (SCP/RAC)
- UN Environment
- Industry and Value Chain Unit. Sustainable Lifestyles, Cities and Industry Branch (UN Environment)
- UN-Habitat UNI Life Cycle Initiative (UN Environment-SETAC) Union for the Mediterranean (UfM)
- Sustainable Development Solutions Network (SDSN)
- Red Española para el Desarrollo Sostenible (REDS)

Resources

The team consists of an international group composed of about 20 researchers from different nationalities, specialised in Life Cycle Assessment (LCA), ecodesign and eco-labeling, applied to different sectors. Likewise, part of the team is specialist in the environmental evaluation of Plans and Programs (Strategic Environmental Assessment) and Projects (Environmental Impact Assessment), applied to renewable energies and waste, among others. The group is completed with strong collaborations and external researchers' stays, encouraged by the Chair. The research group is led by Dr Fullana i Palmer, appointed as the director of the Chair in May 2011, a pioneer in the development and implementation of the LCA methodology and a national and international renowned scientist in this field. The team is complemented with the punctual collaboration of other professionals, in relation to the needs of the research projects conducted at the Chair; and administrative staff and a communication department.

FUNDING INSTITUTIONS

The Chair is funded by research projects from public and private organisations at regional, national, European and international levels.



The Chair at ESCI-UPF

In 1993 the Catalan Government and Universitat Pompeu Fabra resolved to take steps to help companies set up overseas and to equip them with technically and culturally qualified human resources. The result was ESCI-UPF School of International Studies. Its mission: to train professionals and experts in international business. These two founders were soon joined by a number of institutions and organisations who shared the same philosophy and objectives, including the Barcelona Chamber of Commerce, the Catalan Association of Chambers of Commerce and the Catalan Association of Micro, Small and Medium-sized Enterprises (PIMEC). All these institutions have a seat on the board of overseers. Since then, alongside its master's programmes, research groups, MANGO CSR, and the UNESCO Chair ESCI-UPF, ESCI-UPF has become a benchmark school for training professionals who excel in international business.

ESCI-UPF'S GOALS

- Train professionals who can work effectively in any private or public organisation with an international outlook.
- Create experts who can manage and consolidate companies expanding into international markets.
- Nurture entrepreneurs able to set up their own company.
- Equip students with the professional tools to work in the fields of research, development and innovation.
- Be a centre of excellence for exploring cutting-edge international issues.
- Create research and consultancy lines to forge ties with companies and institutions in its environment.

World-class professionals from outstanding companies composes the ESCI-UPF's teaching staff and research teams.



FACILITIES

The Chair is based at ESCI-UPF in Barcelona, which provides it with all the resources necessary to boost research and innovation, as well as carry out management, administration, and communication related activities. The 7,600 m2 building of ESCI-UPF, designed by architect Rafael Cáceres Zurita, reflects its outward-looking message driven by the international philosophy of the institution. The three winds building, with five floors and roof, located in the Born in Barcelona, also offers magnificent views of the city, specifically the Ciudadel Park and Ciutat Vella.

BARCELONA LIFE CYCLE MANAGEMENT (BCN LCM) CLUSTER

Several research and/or training groups are concentrated at ESCI-UPF facilities in areas complementary to the research activity of the Chair, both belonging to the same school and external groups, taking advantage of the opportunities offered by the context.

- Research in International Studies and Economics ESCI-UPF (RISE)
- MANGO Chair in Corporate Social Responsibility (CSR) ESCI-UPF
- International Life Cycle Academy (ILCA)
- Cyclus Vitae Solutions, S.L.
- UNESCO Chair in Life Cycle and Climate Change ESCI-UPF

**Sustainable
materials
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GENERAL INFORMATION

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