



Daniel
Carasso
Fellowship

Press
Pack
2023



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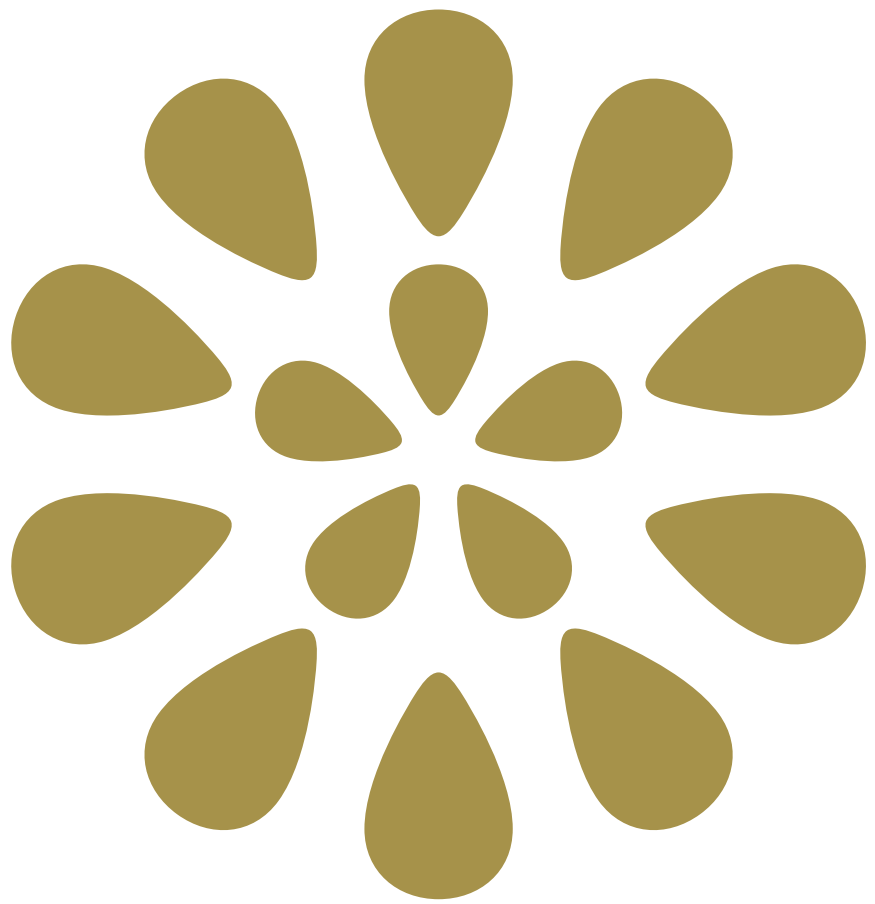
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Daniel Carasso
Fellowship,
a supportive initiative
to research in
sustainable food

Fundación Daniel y Nina Carasso (“the Foundation”) has established the Daniel Carasso Fellowship to foster research into Sustainable Food Systems and Diets. The aim of this new programme is to support young post-doctoral researchers of any nationality and scientific area of study engaged in systemic research into sustainable food systems and diets, in order to help bring about a profound and lasting transformation of the Spanish food system. The programme is oriented to researchers proposed by universities and research centres. The Daniel Carasso Fellowship includes funding of €160,000, consisting of €120,000 to cover the salary of the recipients over a 24-month period and a further €40,000 to support research activities. The recipients will also receive a sculpture designed by Jaume Plensa which symbolises the work these people do to improve other people’s lives. Following a reformulation of its predecessor, the Premio Daniel Carasso, the Foundation is continuing with its commitment to research into Sustainable Food Systems and scientific excellence with an emphasis on fostering research in this field in Spain, a country which in recent years has reduced public funding for scientific research projects. The Daniel Carasso Fellowship aims to consolidate the scientific careers of young researchers who are committed to playing a part together with other members of the research community in the transition towards sustainable food systems over the coming years.

“We have developed this initiative to support young researchers in the field of Sustainable Food Systems. The Daniel Carasso Fellowship represents an opportunity to attract and consolidate research talent in Spain. The programme helps develop the careers of outstanding young researchers, whose contributions to society will pave the way for the transition towards sustainable food systems.”

Pilar Martínez, Program Coordinator – Sustainable Food Spain, Fundación Daniel y Nina Carasso and responsible for the Daniel Carasso Fellowship

Committed to research into sustainable food systems and diets

The Daniel Carasso Fellowship has emerged in a context characterised by a progressive decrease in the allocation of public funding to the R&D and innovation sector in Spain. Among other consequences, this decrease has triggered an exodus of young researchers to overseas destinations, weakening the research networks of Spanish universities and research centres and complicating the attraction of overseas talent.

“The Daniel Carasso Fellowship is a pioneering initiative in Spain designed to attract talent and foster excellence, offering a magnificent opportunity to form part of a research network at the highest international academic level. The transition towards sustainable food systems is an essential step to change the economic and social model and allows us to adapt to the enormous climate challenges that await us in the coming decades.”

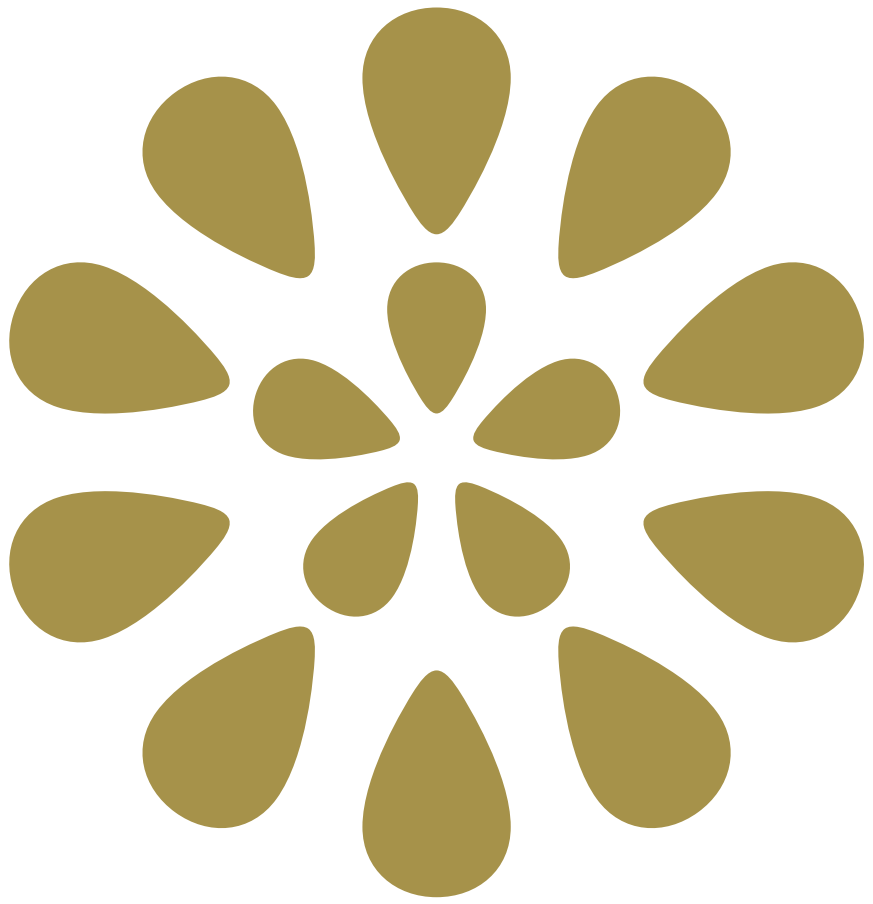
Dionisio Ortiz Miranda, Rural and Agricultural Economics Researcher, Polytechnic University of Valencia. Member of the Steering Committees of the foundation (COS) and the Daniel Carasso Fellowship.

The Daniel Carasso Fellowship aims to consolidate its presence as a key source of support for research in Spain while at the same time maintaining its international character. The initiative aims to boost the career development of outstanding researchers at a critical stage for their consolidation as scientists. Meanwhile, it intends as well to foster research into Sustainable Food Systems in Spain and the application of systemic and multi-disciplinary approaches to promote synergies between different fields and disciplines that are normally disconnected.

The programme also promotes applied research and generation of knowledge to support decision-making aimed at guiding the transition towards sustainable food systems and the generation of networks, synergies and opportunities for collaboration between research groups at an international level.

“Young researchers have been trained in a more flexible, systemic and collaborative academic environment than previous generations. These characteristics and skills are necessary to address the significant complexity of food systems and build bridges between disciplines and stakeholders, all of which contributes to foster the transition towards more sustainable food systems.”

Professor Gloria Guzmán Casado of Pablo de Olavide University, coordinator of the Alimentta think tank promoted by the Foundation and member of the Foundation Steering Committee (COS)



Daniel Carasso
Fellowship
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The second edition of the Daniel Carasso Fellowship closed in March 2023 with participation by a large number of postdoctoral researchers from a range of different disciplines committed to the transition towards sustainable food.

On this occasion, projects were received from fields such as agronomy, food science, social science, marine science and biomedicine, reflecting the variety of ways in which sustainable food can be promoted. The projects were all characterised by their application of participatory approaches with the involvement of different stakeholders to achieve greater impact.

While 78% of the candidates came from Spain, this year's edition also stood out due to the numerous applications received from other countries such as Albania, Switzerland, Italy, Egypt, Iran, China, Argentina and Mexico.

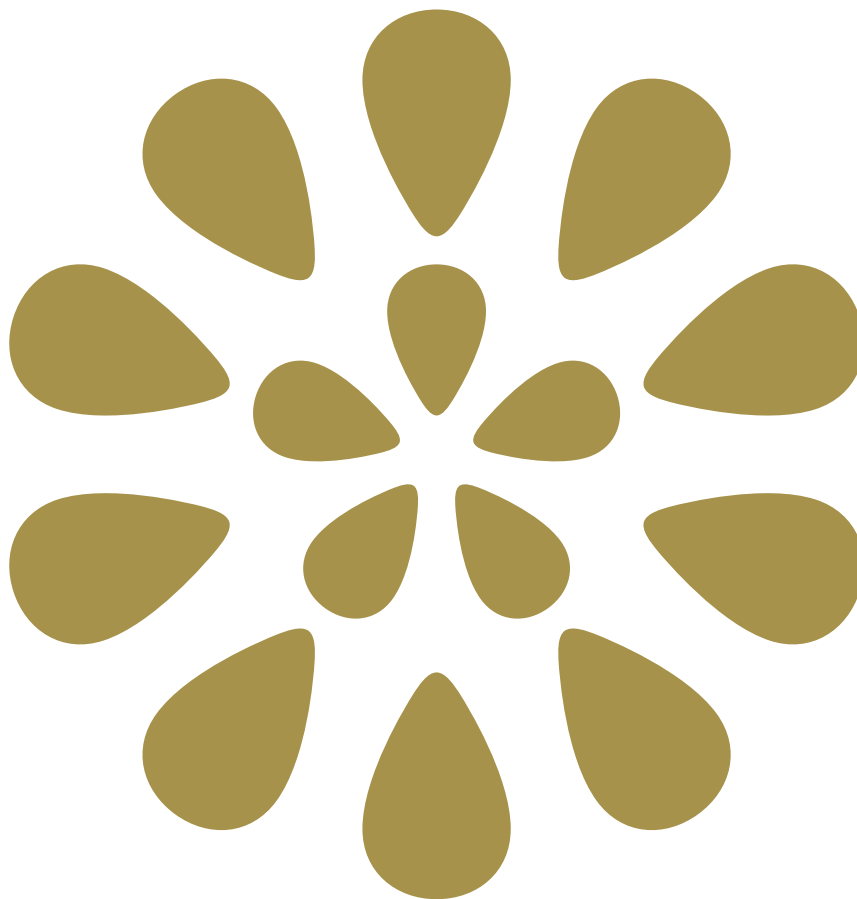
Due to the quality of the proposals received, the Foundation's Board of Trustees decided to increase the number of winners from two to three:

Marta Albo Puigserver for her project *Climate resilience of small-scale fisheries in the Balearic Islands: assessment of food security in the fisheries sector and possible adaptation measures (ReFISH-Food)*, which she will carry out at the Balearic Islands Oceanographic Centre, a department of the Spanish Institute of Oceanography - Spanish National Research Council (CN-IEO-CSIC).

Ujué Fresán Salvo for *Environmental nutrition: the path from a pioneering methodology that integrates health and the environmental impact of food to the first nLCA database in Spain*, which she will be setting up in the eHealth department of ISGlobal-Campus Mar in Barcelona.

Adrián González Guzmán for his project *Formulation of filters via reuse of waste to capture nitrogenous gases from slurry and their application as inoculated organic-mineral soils for agricultural use (FORIOS)*, which he will develop in the Agronomy Department of the Higher Technical School of Agricultural and Forestry Engineering of the University of Córdoba.

Each of the three winners will receive €120,000 to cover their salary for a period of 24 months and €40,000 to support their research activities. They will also receive a prize consisting of a sculpture by the artist Jaume Plensa.



A process backed by
sustainable food
experts

The Daniel Carasso Fellowship is the sum of the contributions of numerous experts from different disciplines and nationalities with a common commitment: the transition towards more sustainable food systems. From its conception right through to the selection of the winning projects, the Daniel Carasso Fellowship has benefited from the collaboration of a group of experts to ensure the rigour, excellence and quality of the process in all its different stages.

The Steering Committee has provided guidance throughout the whole process, including the definition of the terms of the call and the selection process. The Pre-Selection Committee was in charge of evaluating the proposals received and shortlisting the applications with the greatest potential to promote the transition towards sustainable food systems according to the criteria set out in the call for proposals.

Finally, the members of the Jury conducted individual interviews with the finalists and selected the three young researchers recognised in this edition: Marta Albo Puigserver, Ujué Fresán Salvo and Adrián González Guzmán.

«This edition clearly reflects the relevance of this initiative to stimulate and disseminate projects that can contribute to raise awareness and generate interesting strategies to promote more sustainable food systems.»

Carmen Pérez Rodrigo – Spanish Society of Community Nutrition,
member of the jury Daniel Carasso Fellowship 2023

«This year has seen a very interesting crop of entries for the Premium D. Carasso. Proposals for the development of technologies to recycle, to adapt to climate change, to promote agro-ecology, to improve sustainability measurement capabilities, etc. show the mobilisation of research in the face of the challenges of the necessary transformation of food systems. Not only is it investing in these issues, but it is trying to do so in a different way, working more closely with the players in these systems.»

Nicolás Bricas, CIRAD - IPES food, president of the jury
Daniel Carasso Fellowship 2023

The Steering Committee was composed of:

- **Dionísio Ortiz**, rural and agricultural economics researcher, Polytechnic University of Valencia.
- **Julia Diez**, PhD in Epidemiology and Public Health, Assistant Doctorate Professor at the University of Alcalá.
- **Danièle Magda**, agroecological transition researcher at the French National Institute for Agricultural, Food & Environmental Research (INRAe).
- **Verónica Estruch**, EU fundraising and management technician, Gandia City Council.
- **Diego García-Vega**, biologist and activist, member of the Board of Trustees of the Fundación Daniel y Nina Carasso.
- **Pilar Martínez**, Program Coordinator Sustainable Food in Spain of the Fundación Daniel y Nina Carasso.

The Pre-Selection Committee was composed of:

- **Julia Urquijo**, agriculture and climate change researcher at the Polytechnic University of Madrid.
- **Rubén Morilla**, epidemiology and public health researcher at the University of Seville.
- **Estela Romero**, ecology researcher at the Ecological and Forestry Applications Research Centre (CREAF).
- **Silvia M. Rocha**, biochemistry and food science researcher at the University of Aveiro.
- **Francesca Galli**, rural and agri-environmental economics researcher at the University of Pisa.
- **Manuel Beltrán**, sustainability researcher at the Joint Research Centre of the European Commission.

The Jury of the Daniel Carasso Fellowship 2023 was composed of:

- **Nicolas Bricas** - CIRAD | IPES Food, President of the Jury
- **Emmanuel Nahmias** – Member of the Board of Trustees of the Foundation
- **Marie-Stéphane Maradeix** – General Representative of the Foundation
- **Sebastian Villasante** – University of Santiago de Compostela | Alimentta
- **Carmen Pérez Rodrigo** – Spanish Society of Community Nutrition
- **Miquel de Paladella** – UpSocial
- **Julia Lernoud** – IFOAM Organics – International



Marta Albo
Puigserver

Daniel Carasso
Fellow 2023

Marta Albo Puigserver is an expert in marine ecology and specialises in the study of trophodynamics, climate vulnerability assessments of exploited marine species and marine socio-ecological systems. As part of the Ecosystem Oceanography Group (COB-IEO-CSIC), she is studying the synergistic effects of fisheries and climate change on the life history traits of exploited species and how this affects the vulnerability of artisanal fisheries at different spatial and temporal scales.

Since June 2022, she has been a postdoctoral researcher at the Balearic Islands Oceanographic Centre — Spanish Institute of Oceanography (IEO-CSIC), where she is collaborating on a national project and another international project.

She obtained her PhD in Marine Science with cum laude honours from the Polytechnic University of Catalonia. During her doctorate she was awarded three mobility grants (USA, Australia and Italy), spending a total of 10 months abroad which gave her the opportunity to expand her international network.

Marta was involved in the design of fisheries co-management strategies involving different stakeholders for emblematic fish species in the Mediterranean Sea, as well as co-organising various meetings between stakeholders in the fisheries sector. During her previous post-doctoral experience in Portugal, she applied the assessment of ecological and socio-economic vulnerability of fisheries to climate change to define future adaptation and mitigation strategies.

“Climate resilience of small-scale fisheries in the Balearic Islands: assessment of food security in the fisheries sector and possible adaptation measures (ReFISH-Food)» CN Spanish Institute of Oceanography – Spanish National Research Council (CN-IEO-CSIC)

Climate change adaptation strategies at national and regional level recommend the consumption of local products, shortening food supply chains to increase the resilience of local communities while lowering the carbon footprint.

In the Balearic Islands, artisanal fishing accounts for 80 % of the Balearic fleet and contributes greatly to the local economy and the well-being of the local community. However, in recent decades, the number of boats and people working in small-scale fisheries has declined, threatening jobs, food security and the cultural heritage contributed by the sector. In the current context of climate change, the main challenge for these artisanal fisheries is to increase the resilience of the fishing community and at the same time maintain or increase their productivity to support food security. To this end, it is essential to design and implement specific plans for small-scale fisheries in the Balearic Islands to adapt to climate change.

Accordingly, this research project aims to assess the resilience of the socio-ecological system of small-scale fisheries through a combination of quantitative assessment of climate-resilient attributes using data on fishing activity, seafood consumption patterns and the food provisioning capacity of artisanal fisheries in different scenarios. This project will help to understand the current vulnerability of the sector in the Balearic Islands and make projections that take into account future socio-political and climate change scenarios. It will also allow analysis of possible adaptation or mitigation measures to achieve a balance between environmental, cultural and socio-economic factors in the seafood supply chain.



Ujué Fresán Salvo

Daniel Carasso Fellow 2023

Ujué Fresán Salvo has devoted the bulk of her career to research into sustainable diets. After completing her PhD in Biomedicine with the CSIC, she was awarded a scholarship at Harvard University relating to public health nutrition.

Shortly afterwards, she embarked on her first postdoctoral research project in the Department of Preventive Medicine and Public Health at the University of Navarre, working as a nutritional epidemiologist. Her studies were the first of their kind with a Spanish cohort to demonstrate the possibility of following healthy diets with low environmental impact that are both affordable and acceptable from a cultural point of view, including a characterisation of the different diets. This project received prizes from both the Spanish Society of Epidemiology (2020) and the Planetary Health Alliance (2021).

Between 2017 and 2019, she worked as a postdoctoral researcher in the Environmental Nutrition research group at Loma Linda University (California, USA), where she directed and coordinated an international project between the USA, Mexico and Peru to quantify the environmental impact of hundreds of food products commonly consumed in the USA. These included plant-based meat analogues, which established her as one of the world's pioneering researchers in the quantification of the environmental impact of these products.

Since 2020, she has been a senior postdoctoral researcher at the Barcelona Institute for Global Health (ISGlobal). She is co-principal investigator of a research project aimed at designing and implementing an intervention among the Spanish population to promote adherence to sustainable diets. This pilot project is being carried out using sophisticated methods and mHealth technology.

“Environmental nutrition: the path from a pioneering methodology that integrates health and the environmental impact of food to the first nLCA database in Spain.” Barcelona Institute for Global Health - Campus Mar

The main objective of this research project is to respond to the recent call by the FAO regarding the need to incorporate nutritional aspects when carrying out nutritional Life Cycle Assessments (nLCA). More specifically, this project seeks to: 1) identify and assess the published indices of nutritional quality and food safety; 2) establish a methodology to integrate nutritional quality/food safety indicators in the nLCAs; and 3) apply the nLCAs to validate a tool that can be used to monitor the sustainability of the Spanish population’s diet.

The expected results of this research project include: identification of indicators of nutritional quality and food safety in order to make comparisons between different foods; design of a methodology to carry out nLCAs of different foods and diets; creation of the first nLCA database in Spain; and correct monitoring of diets to promote sustainable food in Spain.

The start-up of this project will make a definitive contribution to progress in the area of nLCA research and will consolidate Spain as one of the leading countries in this field. Most importantly, it will favour the development of fundamental tools for the promotion of sustainable diets in Spain.



Adrián González Guzmán

Daniel Carasso Fellow 2023

Adrián González Guzmán holds a Degree in Biology and a Master's Degree in Environment and Natural Resources from the University of Santiago de Compostela and completed his PhD at the Higher Technical School of Agricultural and Forestry Engineering of the University of Córdoba (Spain). In addition to specialising in soil science, throughout his career in Spain, Portugal and Belgium he has expanded his scientific profile with knowledge of various fields, including plant physiology and microbiology.

Adrian is currently in his second year of the Margarita Salas postdoctoral programme at the University of Córdoba, where he is developing his research on agricultural waste reuse, reduction and capture of greenhouse gases from slurry and improvement of fertility efficiency using organic-mineral soils and fertilisers.

During 2020–2021, Adrián worked as technical director of various agricultural projects in the private sector based on reuse of waste and by-products as fertilisers. This line of research proved to be of major interest to him and he returned to the university to develop his idea: recovery of nitrogenous gases (mainly ammonia) from slurry for use in agriculture to meet the nutrient needs of crops, taking into account the current state of the soil and adopting a holistic view at all times.

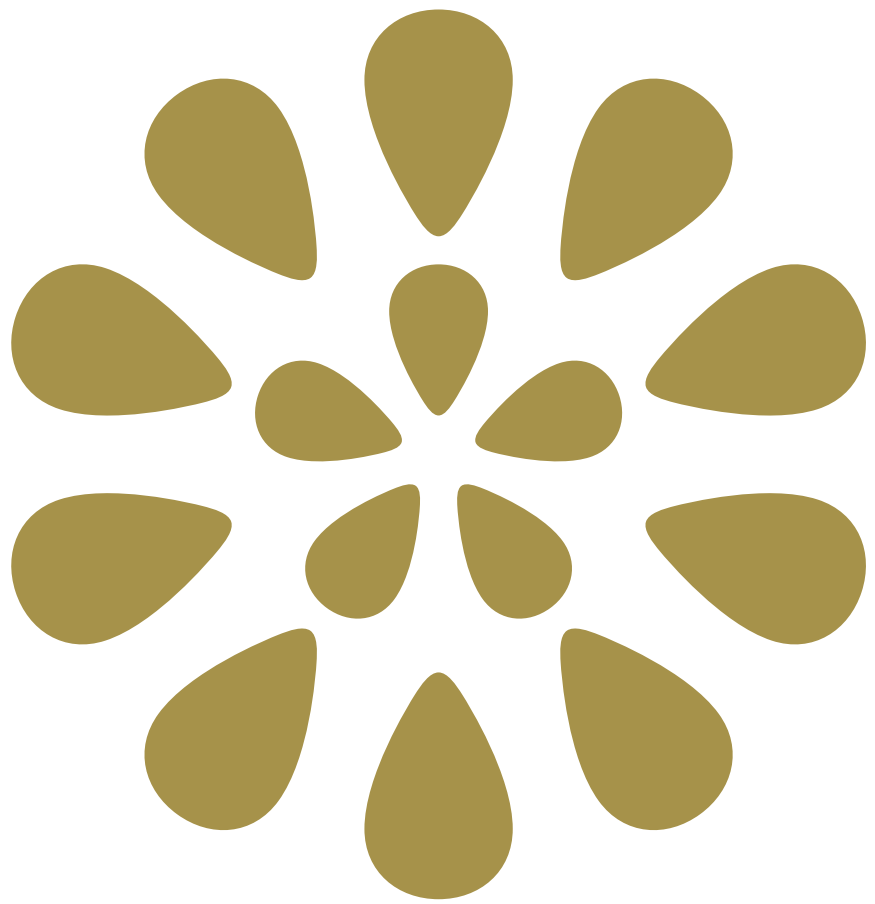
**“Formulation of filters via reuse of waste to capture nitrogenous gases from slurry and their application as inoculated organic-mineral soils for agricultural use. (FORIOS)»
Higher Technical School of Agricultural and Forestry Engineering (ETSIAM), University of Córdoba**

Agriculture faces the major challenge of feeding a population of 10.4 billion people without negatively impacting food quality or the environment. This requires a move from a linear to a circular economy, reintroducing treated waste and using it as a resource. Resource management is one of the main environmental problems; around 120 Mt[WU2] of bio-waste are generated every year in Europe, much of which is often incinerated or landfilled. However, some of this bio-waste has the necessary properties to complement inorganic fertilisers, which are scarce and often lead to water, soil and air pollution due to their synthesis process and inappropriate use. Greenhouse gases (GHGs) from agriculture are estimated to amount to 5.3 GtCO₂-eq per year, only taking into account crop and livestock activities.

Emissions from slurry may be captured through different waste sources, adsorption, photocatalysis and other as yet unstudied processes. A correct combination of waste in the form of N-enriched soils could then be applied to meet the specific requirements of a crop for a particular soil. Furthermore, organic-mineral soils provide an optimal matrix for microbial inoculants (biofertilisers, biocontrol agents and plant growth-promoting bacteria), which are an environmentally-friendly alternative to inorganic fertilisers and pesticides.

The basic idea is to provide crops with the nutrients they need (taking into account the state of the soil) by formulating inoculated organic-mineral soils (IOMS) from N-enriched organic and inorganic waste that meet the main needs of these crops (precision agriculture).

The ultimate aim of this project is to create a formulation software program to automate the waste combination process according to crop demands, soil properties and available filter materials. The inoculated organic-mineral soils developed under this project will respect the values established by Regulation (EU) 19/2019.



Daniel Carasso Fellowship 2021

The first edition of the Daniel Carasso Fellowship involved participation by a large number of young postdoctoral researchers committed to the transition towards sustainable food.

Candidates from more than ten countries were nominated by established research staff from universities and research centres in practically all of Spain's autonomous communities.

Given the high quality of the projects received, the jury decided to jointly award the first Daniel Carasso Fellowship to Raquel Ajates González for her project “The challenge of seed digitisation: sustainability, big data and the social movement for open code seed systems”, which she carried out at the National University of Distance Education (UNED), and to Daniel Gaitán Cremaschi for “*Sustainable public food procurement in Spain: evidence to date and scaling opportunities*”, carried out at the Autonomous University of Barcelona (UAB).



Raquel Ajates González Daniel Daniel Carasso Fellow 2021

Raquel Ajates has developed her career as a Postdoctoral Research Fellow at the University of Dundee over the last few years, where she worked on two H2020 projects for the European Commission on citizen science and sustainability called WeObserve and GROW Observatory, both with a strong transdisciplinary emphasis.

Holder of a Bachelor's Degree in Psychology from the Complutense University of Madrid, Raquel completed her training with Masters and PhD studies in Food Policy at the Centre for Food Policy of City University of London, where she also graduated with an MA in Academic Practice with Distinction.

Her research focuses on pathways and policies for the transition to regenerative food systems, strategies to reduce co-opting of alternative models, cooperatives, agroecology and citizen science.

In addition to her research activity, she has been a Teaching Fellow under the Interdisciplinary Food Systems Teaching and Learning programme at the Centre for Food Policy, City University of London.

Thanks to the Daniel Carasso Fellowship, she will now be joining the UNED as a researcher to carry out a project on seed policies, focusing on their sustainability and the impact of the digitisation of phylogenetic resources.

“The challenge of seed digitisation: Sustainability, big data and the social movement for open source seed systems” National University of Distance Education (UNED)

Seeds are the basis of life, yet due to the same processes of globalisation, privatisation and concentration of power in other areas of the food system, seeds have emerged as the last and most uncertain battleground of food policy. The professionalisation of seed breeding and conservation as activities separate from agriculture has led to a high degree of homogenisation of varieties with the main objective of increasing yields and profits, at the price of reduced resilience and natural and nutritional diversity.

According to the FAO, about 80% of seed varieties cultivated a century ago have been lost forever, and in 2018 four corporations controlled more than 60% of global sales of patented seeds. Attempts to legislate and appropriate the seeds developed by humankind over the centuries have also entered the digital realm due to advances that allow the DNA of seeds to be reproduced in virtual format, facilitating sale of patented seeds. This process affects the communities that developed these varieties, who are no longer free to conserve and plant these seeds.

Europe is the world’s leading seed exporter and Spain is one of the world’s largest seed producers, yet at the same time it suffers from a continued shortage of organic seeds. In this context, civil initiatives to denounce this situation and raise awareness of the increasing privatisation and homogenisation of seeds are on the rise. These initiatives have drawn from principles of common property and digital movements to promote open source models to develop the concept of open source seeds. This research project will map out and analyse the socio-economic, sustainability and policy dimensions of seed systems in Spain from an integrated perspective, exploring how seeds are governed, shared and protected to identify possible ways to maximise their contribution to biodiversity, social justice and food system sustainability. The project will use a combination of methodologies, including participatory methods and artistic commissions to engage a wide range of experts and audiences.



Daniel Gaitán Cremaschi

Daniel Carasso Fellow 2021

Daniel Gaitán Cremaschi is currently a postdoctoral researcher at the Institute of Environmental Science and Technology of the Autonomous University of Barcelona (ICTA-UAB) working on the SEVERAS project (Socio-Environmental Vulnerability in Rural Spain). Prior to his role at ICTA he was a postdoctoral researcher for four years at Wageningen University in the Netherlands, contributing to multiple groups that develop knowledge and offer new insights into food system transitions. Daniel holds a PhD (2016) and an MSc (Cum Laude) in Environmental Science and Environmental Economics (2012) from Wageningen University.

Daniel's research mainly focuses on how to support transitions to resilient and sustainable agriculture and food systems to achieve the 2030 Sustainable Development Goals (SDGs). This includes studying the different narratives with regards to re-orienting future food systems and their underlying paradigms, values and the enacted transition pathways; unravelling the diversity of food systems and their contribution to food and nutrition security, social, economic and environmental goals; analysing the synergies and trade-offs multiple transition pathways bring with them; and proposing leverage points towards sustainability transitions.

Daniel has (co-)authored and published more than 11 articles in international peer-reviewed journals and policy reports. His work has had a notable impact on the development of the operational, institutional and policy changes needed to enhance the economic and environmental sustainability of food systems.

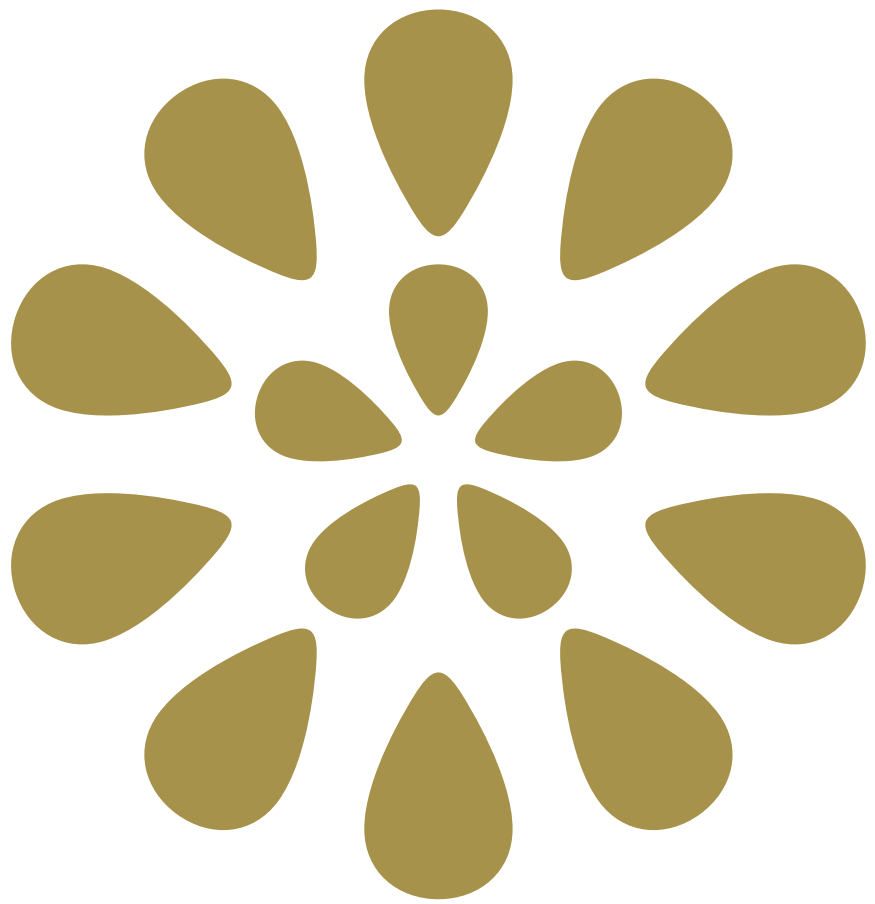
“Sustainable Public Food Procurement in Spain: evidence to date and scaling opportunities” Autonomous University of Barcelona (UAB)

Concerns have been raised about the limited contribution by conventional and industrial food systems to the Sustainable Development Goals. Alternative food systems such as those based on ecological production and consumption have the potential to bring about a sustainable transition in food systems. There is promising evidence that Sustainable Public Food Procurement (SPFP) can serve as a powerful catalyst for the scale-up of alternative food systems as it directly addresses issues relating to social justice, human health, environmental impact and economic development.

Public-private SPFP initiatives have proliferated in recent years in Spain, reflecting the increasing interest of regional and local governments and civil society in the development of more sustainable food systems. However, they are still at an early stage of development and therefore little is known about the diversity of SPFP schemes and the barriers to scaling. Identifying and removing such barriers will facilitate the transition towards more sustainable food systems in Spain.

To address these gaps, this project will analyse existing SPFP initiatives in Spain to determine where and how to carry out the modifications needed to achieve long-term development of public policies that facilitate the transition towards sustainable food systems. To do so, it will create a database of current SPFP initiatives in Spain which can subsequently be used as a baseline for future research. The project will focus on three SPFP initiatives from the database to analyse their network structure and functioning, identify the main barriers to their scalability and support decision-making by key actors.

In addition to the direct impact the project will have on these three initiatives, it will also provide lessons for scaling of SPFP policies in Spain which in turn will serve as an input for international policies and academic debates on the wider design and implementation of SPFP.



Sustainable food,
one of the two pillars
of the Fundación Daniel
y Nina Carasso

Fundación Daniel y Nina Carasso is a family foundation created in 2010 as a tribute to Daniel Carasso – founder of the company Danone in France and Dannon Inc. in the USA – and Nina, his wife.

It is a Grant Maker foundation (solely financing initiatives of general public interest) affiliated with the Fondation de France and is independent to any business entity of any kind. Its activities in France and Spain are focused in two main areas: Sustainable Food Systems to provide universal access to healthy food with due respect for both society and the environment; and Citizen Art as a means of developing a critical viewpoint and reinforcing social cohesion.

The Foundation is committed to the transition towards sustainable food systems that also guarantee availability of a healthy diet for everyone and protection of the planet's resources. Far from being a common good like any other, our diets lie at a crossroads of multiple (im)balances. Food-related decisions in areas from production through to consumption can have a negative impact on our ecosystem as a whole, leading to loss of biodiversity, global warming and social inequalities.

“Food is also a decisive factor for the health of both society and its ecosystems. Many illnesses are derived from unsustainable, imbalanced eating habits. Apart from obesity, many health problems are derived from unsustainable, imbalanced eating habits, including endocrine disruptors, high blood pressure, diabetes and cholesterol problems. Food production, processing, distribution and consumption models also have a significant impact on social and environmental well-being, making it essential to foster more sustainable practices throughout the food chain”

Pilar Martínez, Program Coordinator – Sustainable Food Spain, Fundación Daniel y Nina Carasso and responsible for the Daniel Carasso Fellowship.

Promoting a systemic transition

Sustainable food systems are based on certain practices —from the farm or the sea to the table— that ensure universal access to healthy food with due respect for both society and the environment. This requires a systemic approach focusing on the ‘food value chain’, a central element of all food systems that embraces different dimensions of sustainability, whether environmental, social, economic or nutritional.

The Foundation's vision of food systems contemplates interactions between all the different elements (environment, people, inputs, processes, infrastructure and institutions) and activities involved in the production, extraction, processing, distribution, preparation and consumption of food products, along with the results of those activities.

This vision involves promoting a systemic transition supported by three pillars: research, action and dissemination. In this context, the Daniel Carasso Fellowship is an example of the Foundation's commitment to

research networks and takes part in a wider range of initiatives in both France and Spain.

In terms of direct actions in this field, the Foundation supports pioneering food-related initiatives through annual programmes to raise awareness of more sustainable practices —ranging from seed production to compost made from the waste generated after food consumption— as a means of promoting universal access to healthy food with due respect for both society and the environment

The Foundation's global vision of sustainable food in Spain has been developed through its support of the Alimentta think tank and the first edition of the unoconcinco sustainable food meetings held in Spain. Alimentta is a think tank comprising a group of 10 experts from different fields (agroecology, sustainable agrifood systems, medicine, nutrition, climate change and agriculture, marine resources and conservation of ecosystems, marine sociological systems and public policies) to address the sustainability of the food system in Spain.

Meanwhile, unoconcinco aims to forge alliances with nearly 600 stakeholders from the sector and the media to work towards the same goal: the transition to sustainable food systems through dialogue and sharing of experiences.

The Foundation also promotes IPES-Food, a panel established in 2015 working to promote debate regarding food system reform through research into policies and direct involvement in political processes worldwide.

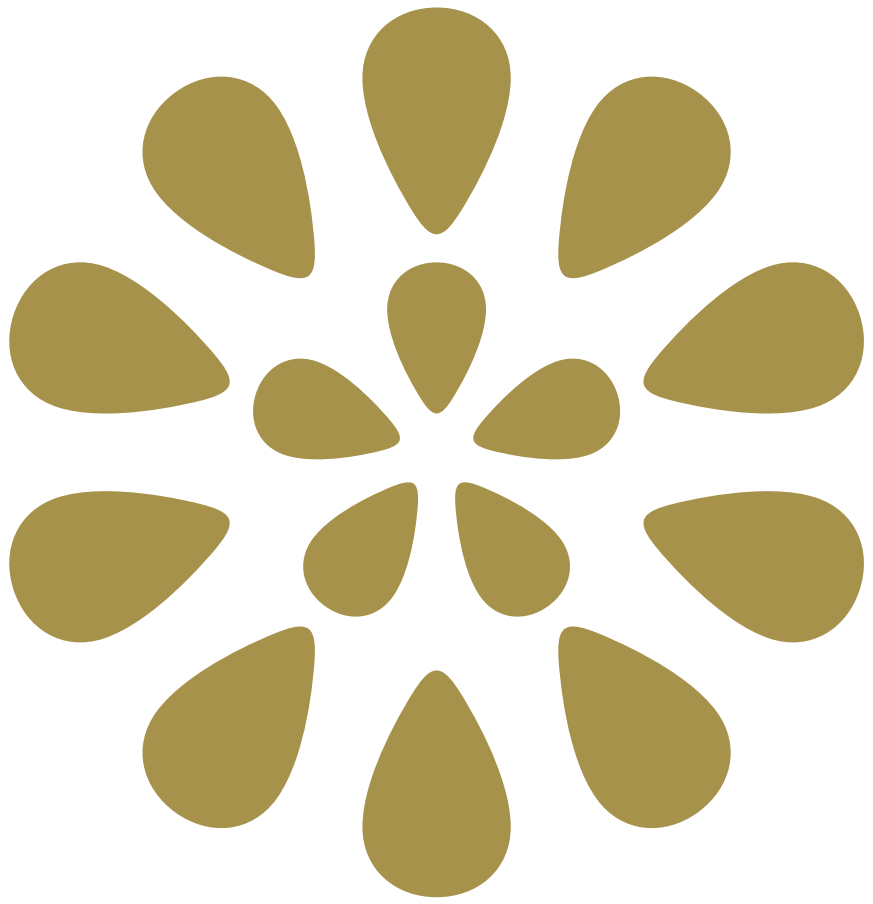
Through its support for mediation and citizen participation, the Foundation builds bridges between people to foster curiosity and enhance commitment with the overriding aim of achieving social impact through research, empirical know-how, experimentation, evaluation and knowledge sharing. The Foundation works closely with a wide range of parties to assist them with the transition and encourage innovative solutions, fostering links between different disciplines and approaches.



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Daniel Carasso, generosity and tolerance

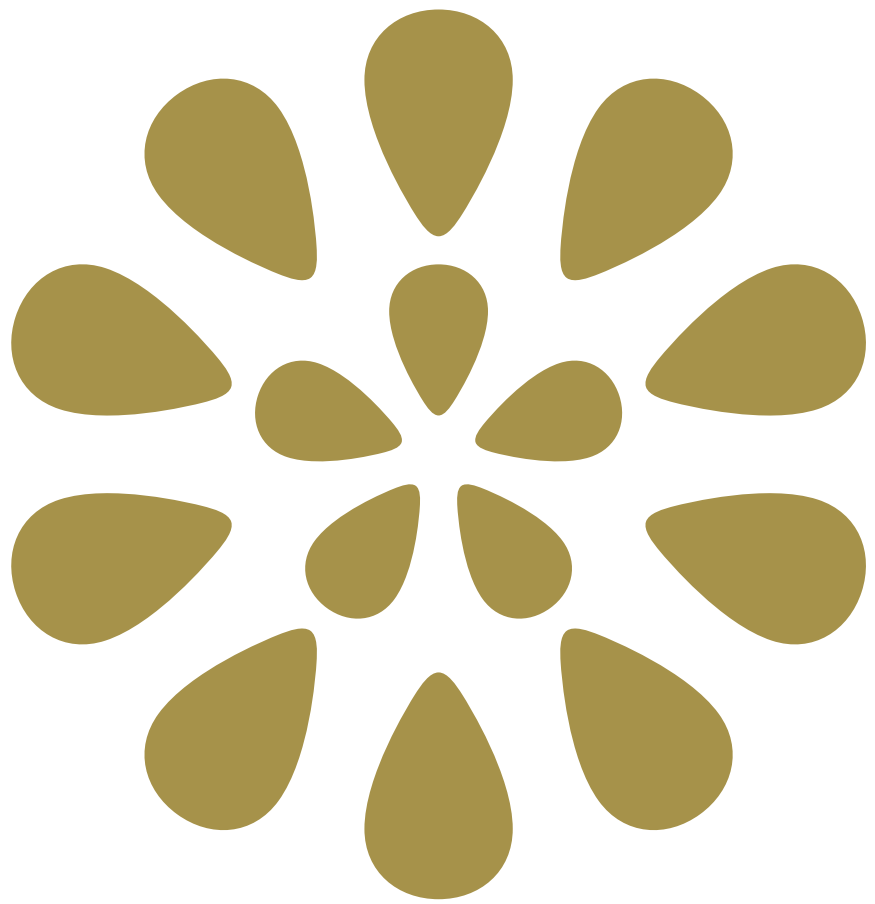
The Fellowship is named after Daniel Carasso, a methodical yet imaginative visionary concerned with the well-being of others.

Throughout their lives, both Daniel and his wife Nina were inspired by the values of curiosity, originality, confidence, excellence and happiness, which are now characteristic hallmarks of the Foundation named after them. The Daniel Carasso Fellowship distinguishes scientists who represent these values, not only as a way of honouring the Carasso legacy but also to perpetuate their spirit of generosity and tolerance.

Daniel Carasso was born in Thessaloniki, Greece, while Nina Covo was born in Barcelona. However, the roots of the future couple go back to the common history of their two families, which had to embark on the long path of exile from Spain during the Inquisition to take refuge in the Ottoman Empire. Four centuries later, the unrest in the early 20th century led them to abandon Greece. That was how the Carasso family ended up living in Barcelona, where Isaac, Daniel's father, created the Danone brand.

At the same time, the Covo family chose France as their adopted country. Daniel and Nina married in 1939, on the eve of a war that would force them into exile once again, but this time in the USA, where their only daughter Marina was born.

Due to their eventful past, both of them were very open-minded, with a curious spirit that saw them constantly travel all over the world as the Danone brand expanded its industrial presence.



History of the Premio Daniel Carasso

Promotion of scientific activity is a key aspect of the Foundation's work, with a strong emphasis on direct actions as well as support for research initiatives and their subsequent dissemination. In pursuit of this aim, three researchers have received the Premio Daniel Carasso since its inception. The award previously focused on recognising established leaders in their respective fields to help them inspire young researchers to undertake transdisciplinary approaches to the study of food system sustainability.

The previous winners were:

Jessica Fanzo (2012)– Professor of Global Food and Agricultural Ethics and Policy at Johns Hopkins University (USA).

Tara Garnett (2015) – Researcher at the Food and Climate Research Network Food and Climate Research Network, University of Oxford (UK).

Jane Battersby (2017) – Researcher at the African Centre for Cities and the African Urban Food Security Network at the University of Cape Town (South Africa)

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Doctor Jane Battersby Premio Daniel Carasso 2017

Jane Battersby is an urban geographer currently working in the Department of Environmental and Geographical Science at University of Cape Town (UCT). A British citizen who has been living and working in South Africa for the last 15 years. Her current research fields include urban food systems and policies and critical analysis of construction of food security theory in Northern and Southern research contexts.

She received the award in 2017 for her work in the field of urban food security and the linkages between food, health and instability in rapidly growing urban areas, along with her defence of an approach to urban governance that addresses food challenges with an emphasis on social justice and her commitment to associations and local authorities for the development of food systems in South Africa to meet the needs of the underprivileged urban population.

Her work tackles crucial issues such as the rise of rapid urban growth as one of the most important challenges of the coming decades and the role of urban food supply as a vector for stability at a worldwide scale.

More information

<https://bit.ly/3bEMIFo>



Doctor Tara Garnett Premio Daniel Carasso 2015

Dr Tara Garnett is a British researcher at the James Martin Institute of the University of Oxford and heads the Oxford Martin Programme on the Future of Food. She received the award in 2015 for her research into sustainable food and climate change. Her work focuses on the multiple linkages existing between food systems and greenhouse gas emissions, along with research into the incentives and obstacles for the adoption of sustainable food regimes.

Dr Garnett is the Founder and Leader of the Food Climate Research Network (FCRN www.fcrn.org.uk/), an interdisciplinary network with over 1,500 members in 70 different countries. The FCRN facilitates constructive dialogue regarding food systems between the different stakeholders involved with the aim of finding common solutions to their environmental impacts.

With the support of the Foundation, Dr Garnett developed FoodSource, an educational resource for dissemination of scientific knowledge regarding food systems which has been available online since 2016 at www.foodsource.org.uk.

More information:

<https://bit.ly/3cqJTXq>



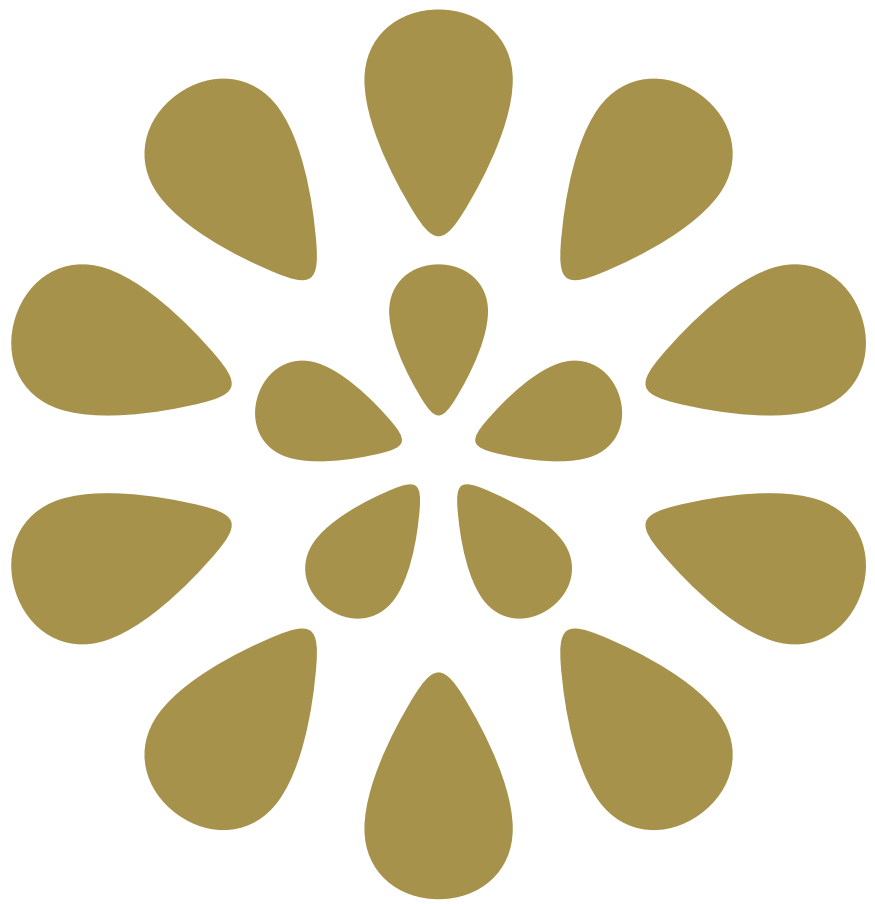
Doctor Jessica Fanzo Premio Daniel Carasso 2012

The US researcher Dr Jessica Fanzo received the award in 2012 for her work on the relationships between agricultural biodiversity and meeting the nutritional needs of developing countries. At the time, she was working on nutrition policies for the Earth Institute at Columbia University (USA). Currently she is the Bloomberg Distinguished Professor of Global Food Policy and Ethics at the Berman Institute of Bioethics, the Bloomberg School of Public Health, and the Nitze School of Advanced International Studies (SAIS) at the Johns Hopkins University in the USA. She is also the Director of the Johns Hopkins Global Food Ethics and Policy Programme.

Her research seeks to develop an understanding of the linkages between nutritional, environmental, agricultural, social, economic, political and ethical aspects of development. Her prior research has been characterised by her innovative solutions to major issues concerning the interaction between nutrition, ecology and agriculture in food systems to improve the health of women and children in poorer rural zones, particularly in conflict regions. She is currently interested in nutrition governance metrics and ethics associated with food value chains and regimes.

More information:

<https://bit.ly/3qCpynf>



The Award:
Sculpture by
Jaume Plensa

Made of acrylic resin, its white colour symbolises a future yet to be defined. According to the artist, the sculpture represents the work carried out by people to improve the lives of others

The artist Jaume Plensa was responsible for designing the award received by the postdoctoral researchers recognised by the Foundation since 2012. With the aim of establishing a dialogue between the two complementary and cross-cutting lines of work of the Foundation — Citizen Art and Sustainable Food — the Catalanian artist was chosen to design the award due to his interest in representing the diversity of the human figure and the languages that unite people, common themes shared by both the Foundation and the Daniel Carasso Fellowship.

The award consists of a sculpture representing a girl's face held by interlinked hands that present her to the world. It is made of white acrylic resin, a colour that symbolises a future yet to be defined. Meanwhile, the figure itself represents the idea of a future that arises from humanity itself, a future that must be protected and nurtured.

“From the moment I came into contact with the Fundació Daniel y Nina Carasso, I understood that we both shared very similar ideas about the responsibility we all owe to society and the world. This sculpture is fully in keeping with my work on the human figure,” said Jaume Plensa. “In terms of its meaning, I've always been interested in the dualism between the body and soul; the visible and the invisible. In symbolic terms, they say that the face is a mirror of the soul, but it also offers the most accurate and perfect image of all the information that makes up a person's life in its permanent state of transformation. A person's face is a document in itself.”

This sculpture constitutes both a celebration and recognition for the recipients, “who devote their lives to improving the lives of others far from the spotlight.” The girl's eyes appear to be dreaming of a better world, in a permanent search for knowledge deriving from excellence.

Jaume Plensa (Barcelona, 1955) is an artist who combines materials, sensations and ideas in his works. He draws his influences from literature, poetry, music and thought.

Although he considers himself first and foremost a sculptor, his creative process has taken him down multiple paths. His works address the physical and spiritual essence of human beings, their self-awareness, their legacy and their ethics and dogmas in their relationships with nature.

Jaume Plensa was born in Barcelona in 1955 and completed his studies in La Llotja and the Sant Jordi School of Fine Arts. Since 1980, the year of his first exhibition in Barcelona, he has forged a career living and working in Germany, Belgium, England, France and the USA. He currently lives in Barcelona.

Jaume Plensa features regularly in exhibitions in galleries and museums across Europe, the USA and Asia, although a large part of his work can be found in public spaces. He has works permanently installed in Spain, France, Japan, England, South Korea, Germany, Canada, the USA and China, among other countries.

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1
Awilda & Irma, 2014, Stainless steel, 400 x 400 x 300 cm each element
 View of the installation: Human Landscape. Cheekwood Botanical Garden & Museum of Art, Tennessee, USA 2015 – Photo: Dean Dixon © Cheekwood Botanical Garden & Museum of Art

2
 View of the installation: *La Forêt blanche*. Galerie Lelong Paris, Francia 2016 – Photo: Fabrice Gibert © Galerie Lelong Paris
 © Galerie Lelong Paris

3
Silent Music III, 2014
 Painted stainless steel and marble, 310 x 230 x 290 cm
 View of the installation: Jaume Plensa. Palau de la Música Catalana, Barcelona, España 2016 – Photo: Gasull Fotografia © Plensa Studio Barcelona

4
 Jaume Plensa in his studio, 2016 – Foto: Inés Baucells © Plensa Studio Barcelona

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Contact Fundación Daniel y Nina Carasso

For more information

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