







IRTA is a research institute owned by the Government of Catalonia ascribed to the Ministry of Climate Action, Food and Rural Agenda. IRTA is one of the CERCA centers of excellence of the Catalan Research System. Our purpose is to contribute to the modernization, competitiveness and sustainable development of agriculture, food and aquaculture sectors, the supply of healthy and quality foods for consumers and, generally, improving the welfare and prosperity of the society. We are granted by the EU with the [HRS4R](#) distinction for “HR Excellence in Research” and thus we offer a rich environment for knowledge development and exchange where to develop a scientific career, and possibilities for professional promotion according to the attained achievements. Check our initiatives [here](#).

Researcher for Life Cycle Inventory modelling for the Sustainability in Biosystems Program

[ref. 115/24]

IRTA is currently seeking an enthusiastic and motivated Researcher with a PhD on Life Cycle Inventory modelling and method development related to the environmental assessment of agrifood products, companies, and systems to join the [Sustainability in Biosystems Program](#). We invite applications from ambitious candidates with relevant research experience and passion to conduct research and innovation activities related to the application of Life Cycle Assessment (LCA), particularly life cycle inventory modelling, interpretation of results, and related knowledge transfer to companies, policy makers and consumers.

-  Head of the Program: Dr Ralph Rosenbaum
-  Job location: [IRTA Marimon](#)
-  Full-time position: 37.5 h/week
-  Terms of appointment: Full-time permanent position or full-time tenure track position subject to the qualifications and experience of the selected candidate.
-  Salary: To be determined according to the qualifications and experience of the selected candidate.
-  Employee Benefits: 22 vacation days, 3 days of family & work conciliation, 45h of personal time, Friday afternoon off, Compressed Summer schedule from 15/06 to 15/09, Conciliation schedule.

Tasks and Responsibilities:

- Develop new life cycle inventory modelling approaches, including prospective analysis and change of scale of scenarios.
- Develop improved emission factors and their estimation methods for food systems (technologies and pedoclimatic conditions) in the Mediterranean.
- Develop management strategy on uncertainty, the use of secondary data, and database management, valorisation and supervision.
- Design guidelines on handling system’s multifunctionality (aLCA and cLCA) and circular economy methodological aspects (e.g. recycling, system boundaries) and supervise methodological choices in application.
- Acquire funds from private and public sectors for research and interact with stakeholders.
- Supervise execution of research projects.
- Develop research projects in areas of strategic importance for IRTA, such as Latin America and North Africa.

- Write technical and scientific reports and publications.

Required qualifications and experience:

- PhD in Agriculture Sciences, Environmental Sciences, Environmental Engineering, or a related discipline.
- Vast experience in LCA applied to the agrifood sector, particularly LCI modelling of food products and systems, preferably with an international scope.
- Knowledge of relevant LCA software, databases, and emission models.
- Experience in leading and participating in international research projects.
- Supervision of PhD candidates and postdoctoral fellows.
- Track record of scientific publications.
- Proven research skills: experience on project proposal writing, literature review, data analysis, scientific article writing.

Desirable requirements:

- Participation/leadership in international committees and initiatives like UN LC Initiative, FAO-LEAP, PEF-TAB.
- Deep and solid knowledge of EU's Product Environmental Footprint Initiative.
- Capacity to successfully develop and expand collaborative partnerships and the ability to interact closely with private companies.
- Experience in knowledge transfer to sectors, companies, and public policy makers.
- Team leadership.

Languages:

- Proficiency in English and Spanish, both spoken and written.
- Knowledge of Catalan is valued.

Application process

If you wish to be considered for this position, please, apply via our [Recruitment Platform](#) to the job post with reference 115/24 and upload your CV and motivation letter. All information will be treated in the strictest confidence.

**Deadline for application:
15/09/2024**

Timings in the Recruitment Process of ref. 115/24 Researcher for Life Cycle Inventory modelling for the Sustainability in Biosystems Program

66 natural days	Publication and diffusion of the job advertisement on IRTA's website, EURAXESS Jobs, social media and other specific recruitment places.
5 following working days	Distribution of the pre-selected CVs which matching eligibility criteria to the Recruitment Committee. Communication via e-mail with the not pre-selected candidates who will not be further included in the process.
20 following working days	Recruitment Committee: <ul style="list-style-type: none"> - Communication via e-mail with the not-selected candidates by the Recruitment Committee. - Interview with selected candidates by the Recruitment Committee. - Accord of the Recruitment Committee stating the selected candidate and detailed reasoning for the decline of the rest of the candidates. - Communication via e-mail with the interviewed and not-selected candidates
10 following working days	Provision by the selected candidate of requested legal and official documentation to the HR department to coordinate the start of the candidate.
First Trimester 2025	Start of employment

IRTA guarantees an open, transparent, and merit-based recruitment process (OTM-R) to all registered candidacies avoiding thus any bias on gender, origin, age, ideology, or other circumstances that could be discriminatory. Candidates in a situation of social exclusion will be considered in the first place.

Please know that if you are the chosen candidate and you are from a country which does not belong to the UE, IRTA's Human Resources Department will support you to get the residence and working permits.