Technician

Agrotecnio is committed to a diverse and inclusive work environment. Employment is assessed on the basis of qualifications, competence, integrity and organizational needs, in accordance with the HRS4R certification requirements. Women are strongly encouraged to apply.

Clear and precise description of the activity

Agrotecnio's project P16070 on remote sensing of agroecosystems is looking for a research technician. The role involves developing remote sensing-based tools and methods for agroecosystem monitoring with an especial focus on agricultural sustainability and land use change.

The main responsibilities of the work focus on the remote sensing of agroecosystems. The objectives include developing remote sensing-based classification of croplands and other land uses (forests, pastures, etc.) and analyzing their changes over time. Key tasks involve processing and analyzing diverse data sources, including satellite and aircraft imagery and field inventory data. Responsibilities may also include conducting fieldwork and other supporting tasks.

Dr. Joel Segarra will supervise the position, and the technician will collaborate closely with remote sensing experts and project collaborators.

Our expectations of the applicant

To succeed in this role, the candidate should have expertise in managing large spatial datasets related to forests, croplands, or ecological modeling; knowledge of remote sensing data and tools; and strong skills in statistical modeling methods.

We expect:
• A master's degree and/or work experience in a relevant field (e.g., forestry, physical geography, ecology, environmental science, statistics, machine learning, or a related area).
• Strong background in remote sensing, with proficient computer and software skills (e.g., R, Python, ArcGIS, QGIS).
• Skills in spatial analysis and landscape ecology.
• Interest in understanding Mediterranean agroecosystems.
• Good command of English (both oral and written)

The selection process considers the quantity and quality of scientific publications in forestry, ecology and remote sensing journals.

Place description

Agrotecnio-Facultat de Biologia, Universitat de Barcelona
Avinguda Diagonal 643, 08028 Barcelona
  And

Agrotecnio- Universitat de Lleida
Campus de la Escola Tècnica Superior d' Enginyeria Agrària
Avinguda Alcalde Rovira Roure, 191. 25198 Lleida

Profile, requirements and merits duly accredited.

1.- Master's degree and/or work experience related with landscape ecology, geography or remote sensing.
2.- Experience in GIS and remote sensing.
3.- Knowledge of applied statistics, mapping and classification algorithms.
4.-Good knowledge of English Language.

Expected duration.

3 Months (from 01/01/2025 to 31/03/2025)

Weekly hours.

25 h/week

Salary per month

1.100 €/month

Name of the responsible researcher.

Joel Segarra

Deadline.

20th December 2024

Place to present.

Secretary of Agrotecnio (administration@agrotecnio.udl.cat)

Composition of the evaluation committee.

President: Joel Segarra

Secretary: José Luis Araus

Voice: Mª Dolors Serret

Place where the resolution will be published

Agrotecnio website (https://agrotecnio.org/careers-job-offers/)

If you require further information on matters relating to the call please contact:

joel.segarra@ub.edu

The contractual modality is of indefinite duration, with specific clauses linked to the financing of the project in accordance with art. 49 1.b) and art. and 52.e) of Royal Legislative Decree 2/2015, of October 23, whereby the revised text of the Workers' Statute Law is approved.

Please if you are interested in the position send a CV and one recomendation letter to the mail: administration@agrotecnio.udl.cat

Foot note: Appeals against outcome of the administrative selection process may be directed to the Director/Acting director of the Center within one month outcome of the selection process.

Lleida, 27th November 2024

Joel Segarra
Responsible Researcher