

Vacancy: Technician position in Remote Sensing for Evapotranspiration

Reference: 09/20

Adscription Program: Efficient Use of Water in Agriculture Program.

Adscription Subprogram: Managing water resources within Mediterranean agrosystems by Accounting for spatial structures and connectivities.

Location: IRTA-Fruitcentre, Lleida

Working schedule: Fulltime (37.5 hours per week, morning and afternoon)

Scale: Technician 5.1

Salary: 24.962,05 € gross annual salary

Contract duration: 2 years contract, starting on May 2020, with the possibility to be more time.

Specific functions:

- Use of remote sensing technologies for precision irrigation.
- Contribution in the analysis of satellite/airborne/UAV imagery in order to obtain the biophysical parameters of the vegetation, crop water status and evapotranspiration.
- Learn about surface energy balance models and the automation of different processes in order to enhance the image processing workflow.
- Use of neural networks (CNN) and Machine learning techniques.
- Participation in airborne campaigns.
- Participate in gathering field data and the maintenance and analysis of data from an Eddy-Covariance system.

Requirements:

- Diploma of Higher Education in Computer Sciences, Agronomy, Environmental Sciences or related disciplines and equivalent studies.
- Good standard of written and spoken English.
- Programming the Language Python and Geographic Information Systems/Geospatial analysis knowledge.

Specific merits:

- Bachelor's o Master degree in Remote Sensing or Space Engineering.
- Ability to pursue data-oriented research as well as experimental approaches and fieldwork to validate evapotranspiration models.
- Knowledge and/or take interest in learning about crop evapotranspiration and agronomy.

Skills:

- Analytical skills
- Effective time management and ability to prioritize tasks
- Good communication skills
- Ability to successfully work within a team

*During the first year of contract, IRTA will cover the cost to obtain license to fly drones.

*The technician will be based at Fruitcentre-IRTA (Lleida). She/he will also have secondment opportunities (up to 6 months) to one of the partner organizations of the Marie-Curie ACCWA project (<https://accwa.isardsat.space/>).

Please, apply for this job through our Job Center at <http://www.irta.cat/en-US/Persones/TreballarIrta>, before **March, 13 2020**. It is essential to attach a motivation letter.

Integration policy: this job position will privilege disabled candidate as first options for the selection process.

Deadline timing job ref. 09 /2020 Technician position in Remote Sensing for Evapotranspiration	
30 days	Publication and diffusion of the job advertisement on IRTA's website, EURAXESS Jobs, social networks and other specific recruitment places.
2 following working days	To send, for its study, the pre-selected CV which match eligibility criteria to the Selection Committee. To send an automated e-mail for those who have not been pre-selected and cannot continue the process.
10-15 following working days	Selection Committee: .Interview with preselected candidates. .To send an e-mail for those who have not been selected by the Selection Committee. .Committee Selection Agreement with the selected candidate, giving reasons for the rest to be excluded. . Notification by e-mail to the candidates who have been interviewed but not selected.
12-16 following working days	To send to HR all the needed official documentation in order to make the work contract and co-ordination for establishing the start of the employment.
First week of May of 2020	Start of employment (approximately)