

Climate change and resilience of Catalan agriculture: interdisciplinary and multi-scale boost for diversification with legumes as a mitigation and adaptation strategy

Deadline: December 22nd, 2023

Role profile: We are seeking a PhD on Agricultural Sciences, Agronomy or Environmental Sciences with strong background on process-based modelling.

Duties and responsibilities: the postdoctoral researcher will be in charge of the simulation of diversification scenarios with legumes through upscaling techniques and on-farm measurements of cropping systems impacts on GHG emissions and soil C indicators. Involvement in project management (10%) will also be required.

Qualifications and skills:

- PhD in Agricultural or Environmental Sciences.
- Expertise on process-based modelling, upscaling and agronomy.
- Strong communication and scientific writing skills.
- Demonstrable skills in data collection and statistical analysis for life sciences.
- Ability to work independently and in collaboration with other researchers.
- High command of English.
- Driving license.
- Expertise on legumes and/or Mediterranean cropping systems will be welcomed.

Terms: 18 months' postdoctoral research contract at Universitat de Lleida (UdL) (Lleida, Spain) and salary according to Spanish laws. Expected to begin by spring 2024.

About the lab: Flat laboratory aimed at foster innovation in agriculture through empirical and modelling strategies to improve our mechanistic understanding of agroecosystems. We focus on participatory research in collaboration with local stakeholders and establishing on-farm field experiments. We work on the interface between agronomy, soil sciences and environmental sciences. For further info, please see: www.danielplazonilla.eu

To apply:

Send, before December 22nd, 2023, an email with a unique pdf file including a letter of interest, CV and contact details of 2 references at:

- Dr. Daniel PLAZA-BONILLA daniel.plaza@udl.cat Phone: +34 973702856

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