

POST-DOCTORAL POSITION

18-24 months, starting ASAP

Salary from 2 150 € to 2 500 € before taxes

“Landscape evolution modelling and soil erosion processes in agricultural Mediterranean catchments ”

RESEARCH PROJET

“MASCC: Mediterranean Agricultural Soils Conservation under global change”

<http://mascc-project.org>

FUNDED by Arimnet2

<http://www.arimnet2.net>

HOSTED INSTITUTION

IRD <https://en.ird.fr/ird.fr>

HOSTED LABORATORY

LISAH laboratory <https://www.umr-lisah.fr/?q=content/accueillisah>

EROSION research team <https://www.umr-lisah.fr/?q=content/eq-erosion>

POSTDOC SUPERVISORS

Dr. Stéphane Follain – Montpellier SupAgro (France) – follain@supagro.fr

Dr. Feliciano Licciardello - University of Catania (Italy) - flicciar@unict.it

DESCRIPTION

MASCC research program aims to address mitigation and adaptation strategies to global change by assessing current and future development of Mediterranean agricultural soil vulnerability to erosion in relation to simulated land use, agricultural practices and climate change. MASCC project gathers researchers and study sites from six Mediterranean countries: France, Morocco, Tunisia, Italy, Spain and Portugal and will be implemented throughout six WPs.

The postdoc will work within the WP3 'Numerical modelling' coordinated by Stéphane Follain @ France and Feliciano Licciardello @ Italy. This WP3 will use the LANDSOIL model (Ciampalini et al., 2012; David et al., 2014; Ciampalini et al., 2016) to evaluate present and future soil erosion rates for 6-studied catchments.

In collaboration with supervisors, the candidate will be in charge of i) classical modelling activities (parameterization / calibration / validation); ii) improvements of the LANDSOIL model; iii) production of recommendations for landscape design and agricultural mitigation strategies.

The position is associated to travel obligations.

QUALIFICATIONS

The successful applicant will have completed a PhD in an environmental science field (Soil Science, Geomorphology, Geology, environmental science, etc.) and demonstrated ability to scientific publication. The ideal candidate for this project will have skills and experience in using and developing models (both conceptual and numerical), analysis of hydrologic and sedimentologic data, analysis of statistical and spatial data.

APPLICATION MATERIELS

Applicants must provide the following documents before 2016-09-25:

- 1 – Cover Letter;
- 2 – Curriculum Vitae including contact information of three references;
- 3 – Research proposal (3 pages).

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