

University François Rabelais, Tours, France

Faculty of Sciences

E.A. GéHCO (Continental GeoHydrosystems)

Dpt. Géosciences-environnement

Title: Assistant Professor

N°: 0828

Section CNU: 36

Full time position starting September 1st, 2012

PROFILE: QUANTITATIVE GEOMORPHOLOGY

Research:

Quantitative geomorphology and modellization of the continental surfaces' evolution (fluvial and terrestrial systems). Particles transfers analysis at a large scale within river basins and/or fluvial systems integrating natural and human factors. Modellization of the basins' and/or river beds' morphological response.

Research field and integration in the laboratory's research themes:

The position aims at establishing a bridge between the «production and stocking of material» pole, and the «solid transport in river systems» pole. The objective is to connect morphological evolution of the slopes and the rivers by analyzing sediment continuity at large scales.

Spatial scale: 1 km-1000 km

Time scale: single events + decades and centuries

Qualifications: data treatment, continental surfaces modellization (relief, stocks...), experience of the field is recommended especially regarding new tools for data acquisition (altimetry, bathymetry - multibeam echosounder and terrestrial LIDAR).

Location: E.A. GéHCO (GéoHydrosystèmes continentaux)

Director: Marc Desmet

Email: marc.desmet@univ-tours.fr

Academics:

The Geosciences-Environment Department supports a License/Undergraduate Degree (3 years) in «Earth, Universe and Environmental Sciences», and a Masters/Graduate Degree (2 years) in «Water and Environmental Sciences», specializing in «River basins and Hydrosystems - Diagnosis and Environmental risk assessment». The teaching researchers of the department are strongly involved in managing the programs, specialties and options. The recruited assistant professor will quickly be asked to take the responsibility of one of the License/Undergraduate years.

Educational goals and needs for support: general geology, field workshops in the first cycle; geomorphology in the second cycle; surface geology in Professional License and second cycle. Knowledge of the french language required.

Academical Department: Géosciences-Environnement

Director: Cécile Grosbois

Email: cecile.grosbois@univ-tours.fr