

Postdoctoral position in Aquatic Ecological
Modelling
Université Libre de Bruxelles
Ecologie des Systèmes Aquatiques

A postdoctoral position in 'Aquatic Ecological Modeling' is available at the laboratory 'Ecologie des Systèmes Aquatiques' of the 'Université Libre de Bruxelles' within the TIMOTHY project funded in the framework of the Belgian Federal Program 'Interuniversity Attraction Pole'.

TIMOTHY (Tracing and integrated modeling of natural and anthropogenic effects on hydrosystems: the Scheldt River basin and adjacent coastal North Sea) is a five-year fundamental research project carried out by an interdisciplinary team composed of microbiologists, biogeochemists, mathematicians, engineers, physical and ecological modelers and environmental economists from a network of Belgian and French universities. The aim is to develop, validate and apply tools to describe and evaluate the past (back to 1950), present and future (up to 2050) changes in chemical and ecological quality of surface, ground and marine waters and to relate them to changing climate and human activities on the watershed.

The successful candidate will contribute to the further development and applications of the existing coupled river-ocean biogeochemical model RIVERSTRAHLER-MIRO that describes ecological and nutrient transformations in the Scheldt estuary. Work will include numerical development, sensitivity tests and model behavior analysis. Applications will include simulations with real forcings as well as global change scenarios.

The candidate must hold a PhD in ecological/biogeochemical modeling.

The Post-doctoral position is available on January 1, 2009 for a duration of 12 months, possibly renewable for a period of 12 months non-renewable. The annual gross salary (before taxes) is around 31500 euros.

Applications including a detailed Curriculum Vitae, a summary of work previously carried out; a letter of intent explaining interests and motivations in the post-doctoral position and contact details for 2 academic referees, should be sent to Prof Christiane LANCELOT (lancelot@ulb.ac.be), before 15th December 2008.