

**Post-doctoral position:**

Implementing LCA and LCCA in building renewal.

Context: The Faculty of Applied Sciences, from the University of Artois, inside LGCgE Laboratory (Civil Engng and geo Environment Laboratory), offers a 12 months post-doctoral position located in Bethune city, France, starting early in 2016.

This position is part of a research project, in partnership with a social housing rental company Maisons et Cités, SOGINORPA, with CD2E, CIRAIG and 3 other partners. This project will be dedicated to the life cycle analysis and life cycle cost analysis of the renewal of mid-20<sup>th</sup> century buildings. The project aim is to initiate the development of a practical tool that could help the social landlord and the architect in their choice of environment friendly and cost friendly construction materials and flat equipment.

The missions of the post-doc first consist in supporting and developing the LCA and LCCA on a representative renewal. In a second step, the results will highlight action levers in order to reach the best possible environmental performance and rules will be drawn from those analysis. In the last step of the project, different paths will be considered for the development of a future tool, practicionnable by any landlord or architect.

More information can be obtained from [alain.bataille@univ-artois.fr](mailto:alain.bataille@univ-artois.fr)

**Applicant:**

The candidate has an initial education and expertise in Civil Engineering and/or construction material. An Experience in Life Cycle Analysis or in LCCA (data collection, analysis practice, sensibility ...) would be appreciated.

A good level in English is essential. French language mastering would also be of importance.

The candidate should have a sense of initiative, of autonomy and of supervisor reporting.

**To apply:**

Please send a letter, a detailed CV, as well as any useful document (reports, PhD thesis, articles...) before 1<sup>st</sup> November 2015, to Alain. Bataille@univ-artois.fr

On the basis of sent documents, applicants will be selected for an interview at the end of 2015.

**Work place:**

Université d'Artois  
Faculté des sciences Appliquées  
LGCgE  
Technoparc Futura  
62400 Béthune  
France

