



LABORATOIRE DE PHYSIQUE ET CHIMIE DE L'ENVIRONNEMENT  
ET DE L'ESPACE



UMR 6115 CNRS – University of Orleans



### **Announcement for a post-doctoral position in chemistry-transport modeling of stratospheric compounds**

As part of the STRAPOLETE project supported by the French National Research Agency (ANR-BLAN08-1\_31627) applications are invited for a post-doctoral research position to carry out chemistry-transport modeling studies of stratospheric compounds.

Several balloon-borne instruments have been deployed in northern Sweden on August 2009 to study the processes controlling the chemical composition of the polar stratosphere in summer. These observations, combined with data from satellite instruments, will be used for comparisons with three-dimensional chemistry-transport model outputs with the specific aim to diagnose and improve the ability of such models to represent long-lived species distribution during this particular season. Chemistry of reactive nitrogen and halogen species will also be investigated and compared to previous studies (e.g. POLARIS campaign). This work will provide in particular a reference state of the summer polar arctic stratosphere. The modeling studies will be conducted in cooperation with the LATMOS/IPSL (Paris).

The successful applicant will have a PhD or experience in atmospheric sciences (atmospheric physics and chemistry, climatology, or Meteorology). The candidate should be familiar with programming on a Unix/Linux operating system. Expertise in atmospheric modeling and interest in analysis of airborne datasets would be an advantage.

Workplace is Laboratoire de Physique et Chimie de l'Environnement et de l'Espace (LPC2E/CNRS), Orleans, France.

The salary based on the French academic scale will be from about 24,000€ p.a. (or more depending upon experience). Holiday entitlement is 45 days plus public holidays. The post is full time, fixed term for 2 years preferably starting on January 2010 or as soon as practicable thereafter.

Please send your enquiries and application including a cover letter and a full CV to:

Dr G. Berthet

Email: [gberthet@cnrs-orleans.fr](mailto:gberthet@cnrs-orleans.fr)

Tel : +33 (0)2 38 25 52 69

Address: LPC2E/CNRS 3A Avenue de la recherche scientifique  
45071 ORLEANS cedex 2 France

