# Offer for a 2-year Post-doctoral position at IPSL
## (Institut Pierre Simon Laplace, Paris region, France)

**Multi-archive and multi-tracer syntheses of the last interglacial period and of the abrupt climatic variability of the last glacial period**

In the framework of the « L-IPSL » LABEX "Large Project", the excellence laboratory L-IPSL of the Institut Pierre-Simon Laplace offers a two-years post-doctoral position (with a possible one year extension) to build global, multi-archive and multi-tracer syntheses of available data for the last interglacial period (~130 – 115 ka) and selected intervals of the last glacial period, in particular abrupt events. These data syntheses will be built with a particular focus on (1) the construction of coherent chronologies and (2) the quantification of uncertainties related to age scales and tracer interpretations.

The data syntheses will integrate multiple climatic archives: ice cores, marine cores, lake sediments, corals, speleothems, loess. They will build on already existing multi-archive datasets and will be completed by records newly published or processed within Labex L-IPSL.
The syntheses will integrate several key tracers (e.g. isotopes of hydrogen, oxygen and carbon, trace elements, planktonic fauna assemblages, pollen) to provide in each archive quantitative surface temperature reconstruction, and qualitative information on precipitation changes. Quantification should also be performed for changes in other environmental tracers such as the sedimentation rate of continental dust, sea ice extension.

A major challenge for these data syntheses is linked to chronology, i.e. (1) the harmonization of chronologies for various climatic and environmental records issued from multiple climatic archives and (2) the quantification of associated age uncertainties. This detailed work on chronologies with well-quantified uncertainties will use the "multi-archive" version of the DATICE tool developed within phase 1 of Labex L-IPSL.

**The ideal candidate will hold a PhD in climate science, oceanography or related fields, and should show a strong interest in paleoclimate. Experience with paleoclimate reconstructions, chronological issues in climatic archives or data syntheses will be advantageous.**

**Supervision team:**
The position is funded by LABEX L-IPSL and IPSL will be the employer. The successful candidate is expected to work with experts in paleoclimate from four IPSL research institutes (LSCE, LMD, LOCEAN, GEOPS).

**Duration and salary**:
The post-doctorate will be recruited for 24 months with a net monthly salary around 2000 euros, commensurate with experience, with a possible extension of up to one year. This includes social services and health insurance.

**Contact for applications:** Applications should include a vita, a statement of research interests and the names of at least two references including e-mail addresses and telephone numbers. Applications should be submitted by e-mail (as a single pdf file) to **Aline Govin** (Laboratoire des Sciences du climat et de l'Environnement, Gif sur Yvette, aline.govin@lsce.ipsl.fr) and **Adriana Sima**, (Laboratoire de Météorologie Dynamique, Paris, adriana.sima@lmd.ens.fr) before **15 April 2016** in order to receive full attention.