

## **Titre du projet : 4th Sino-French Joint Workshop on Atmospheric Environment**

*Volet : International AO4Bis*

*Porteur du projet : JL Jaffrezo*

*Laboratoires impliqués : LGGE*

## **Bilan du projet pour l'année/la période**

### **Bilan d'activité** (1 page max)

#### **Summary**

Clean air is essential to people's health and that of the environment. Since the industrial revolution, however, the quality of the air that people breathe has deteriorated considerably - mainly as a result of human activities. Rising industrial and energy production, the burning of fossil fuels and the dramatic rise in traffic all contribute to air pollution in our cities which, in turn, can lead to serious health problems for instance through the frequent formation of photochemical smog and haze.

The need to deliver cleaner air has been recognized for several decades with action having been taken at national and international levels. Despite significant improvements, serious air pollution problems still persist... and are becoming more and more complex and varying from one region to another. Therefore, a scientifically sound understanding is urgently needed to disclose the key reasons for regional complex air pollution problems and for the effective implementation of control measures.

Such a profound understanding of the atmospheric system can only be gained by a multidisciplinary approach, with scientists of different origin strongly interacting. The series of Sino-French Workshops on Atmospheric Environment has been initiated to trigger and catalyze such exchanges. The Sino-French Workshops on Atmospheric Environment have been successfully held since 2008, they have provided the opportunity for fruitful cooperation among interdisciplinary scientists.

The 4th Sino-French Workshop was held on December 10-13, 2014 at Lyon, at the Hôtel de Région, France, and provided a further forum for exchanging ideas about current research progress on regional complex air pollution with various aspects, including pollution status, formation mechanisms, source apportionments, control techniques and regulations etc. The emphasis of this workshop was on urban air quality and its specificities in France and China, and their possible improvements. More than 100 scientists from China, France and other countries had attended this workshop.

On behalf of the president of the Region, Frédéric GAFFIOT, director of Higher Education, Research, Innovation and Health and Social Training at Region Rhône Alpes, welcomed the

attendees of the fourth Sino-French workshop on the atmospheric environment. He underlined the longstanding cooperations between Rhône-Alpes and China, and especially with the province of Shanghai (both provinces being twinned). He finally stressed the importance of the scientific topics to be addressed during the meeting for a better future in both countries.

**Illustrations** - avec légende et crédit (*à envoyer également séparément*)

Le Logo du Labex est sur la documentation du Congrès. Conf. Doc en attaché.

**Production scientifique** (*articles scientifiques, actes de congrès...*)

NA

**Bilan financier succinct** (*avec suivant les cas : co-financements éventuels, équipements achetés, missions, recrutements divers, fonctionnements divers...*)

NA

**Annexes si besoin ou lien sur des sites existants et pérennes jusqu'à la fin du Labex (2020)**

- <http://sfjw2014.sciencesconf.org/resource/sponsors>
- Programme colloque joint