

Preface

One of the most important challenges the world is facing in this century is how to achieve sustained global development while balancing economic, societal and environmental considerations. It is clear that providing everyone a healthy and wealthy society can only be achieved if upcoming policies and initiatives from policy makers are based on the most up-to-date and validated scientific knowledge.

Despite significant improvements, serious air pollution problems still persist worldwide, and are becoming more and more complex due to increasing urbanization and regional specifications. To face such complexity, a scientifically sound understanding is urgently needed to disclose the key reasons for regional air pollution problems and for the effective implementation of control measures.

Such a profound understanding of the atmospheric physico-chemical system can only be gained by a multidisciplinary approach, with the close collaboration of scientists of different origins. A series of Sino-French Workshops on Atmospheric Environment was initiated to trigger and catalyze such exchanges. The Sino-French Workshops on Atmospheric Environment have been successfully held since 2008, and have provided opportunities for fruitful cooperation among interdisciplinary scientists.

The 6th Sino-French Workshop was held on September 10-12, 2018 at the Hôtel Dupanloup, Orléans-France, and addressed a variety of issues related to air quality improvement and future challenges. The workshop provided a forum for exchanging ideas about current research progress on complex regional air pollution from various aspects, including pollution status, formation mechanisms, source apportionment, control techniques etc. More than 100 scientists from China, France and other countries attended this workshop. To disseminate information on the achievements of the workshop, this special issue of JES presents selected contributions to the 6th Sino-French Workshop on Atmospheric Environment.

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