

# **Atmospheric Chemistry Research Group**

**Department of Natural Resources,  
Hall of Global Environmental Research  
Graduate School of Global Environmental Studies**

**and also**

**Field of Dynamics of Earth and Cosmos,  
Department of Interdisciplinary Environment  
Graduate School of Human and Environmental Studies**

**Regional Environment Conservation Division  
National Institute of Environmental Studies(NIES)  
Tsukuba Japan**

# Members of our research group



**Prof. Yoshizumi Kajii**



**Assist. Prof. Yosuke Sakamoto**



**Dr. Kentaro Murano**



**Dr. Nanase Kohno**



**Dr. Jiaru Li**

## Cooperative research groups

University College Cork (Ireland)  
University of Lille (France)  
Juelich (German)  
NCAR (USA)

Hanoi Univ. Sci. & Tech. (Vietnam)  
University of L' Aquila (Italy)  
SIIT, Thammasat University (Thailand)

# **Ultimate goals of research activities**

**To understand the mechanisms of atmospheric environmental issues such as photochemical oxidants increase in the troposphere, acidification of the air, coupling of phenomena between oxidant formation and global warming.**

**And also**

**Precise Fcast of future earth air quality and to suggest the options to solve these problems.**

**In order to investigate these detailed mechanisms, we applies highly advanced techniques such as laser, mas. Spec, and so on.**

**Not only to elucidate mechanism but also we try to contribute mitigation and improvement of air quality in mega cities in other countries such as India, China, Tai, Vietnam.**

# **BEACHON-ROCS 2010**

## **(Rocky Mountain Organic Carbon Study)**



**NCAR, Tokyo Met. Univ.**

**Univ. Wisconsin, SUNY**

**Univ. Houston, Univ. Innsbruck**