

## Observation of vertical profiles of nitrogen oxides and ozone in two forest sites at the foot of Mt Fuji

Yuki Hida<sup>1\*</sup>, Yusuke Moriyama<sup>1</sup>, Ryuichi Wada<sup>1</sup>, Tomoki Mochizuki<sup>2</sup>, Akira Tani<sup>2</sup>, Yuichiro Nakai<sup>3</sup>, Satoru Takanashi<sup>3</sup>, Takashi Nakano<sup>4</sup>, Yoshiyuki Takahashi<sup>5</sup>, Yuzo Miyazaki<sup>6</sup>

<sup>1</sup>Teikyo University of Science, <sup>2</sup>University of Shizuoka, <sup>3</sup>FFPRI, <sup>4</sup>Yamanashi Institute of Environmental Science, <sup>5</sup>National Institute for Environmental Studies, <sup>6</sup>Hokkaido University

We have developed two monitoring systems for nitrogen oxide, NO, nitrogen dioxides, NO<sub>2</sub>, and ozone, O<sub>3</sub>, in the atmosphere in Fujiyoshida and Hokuroku forest observation sites at the foot of Mt. Fuji. The air was sampled from four vertical height locations from above the forest canopy to 2 m above the ground. The total interval time was 15 minutes. The 15-minutes interval measurements of NO, NO<sub>2</sub> and O<sub>3</sub> were repeated continuously during about a week at the both sites in the summer 2012 and has successfully measured vertical profiles of NO, NO<sub>2</sub> and O<sub>3</sub>. The concentration of ozone increased gradually with the height, but the concentrations of NO and NO<sub>2</sub> did not changed obviously. We will discuss the details at the meeting.

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