

Atmospheric Science Research Division (ASRD) 2016.4.1~2021.3.31

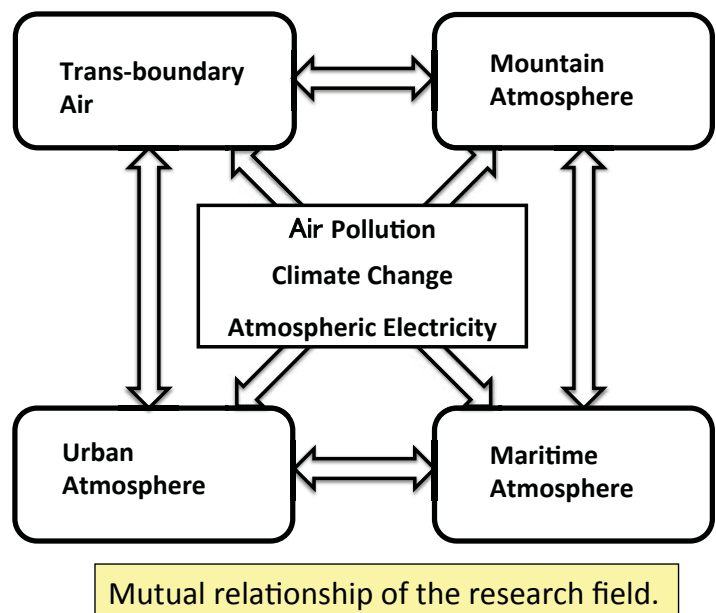
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Regular	Masashi Nojima, Lecturer, Research Institute for Science and Technology
Concurrent	Iwao Hashimoto, Professor, Department of Physics, Faculty of Science Division1 Katsuhiro Nagano, Lecturer, Department of Liberal Arts, Faculty of Science and Technology Makoto Nakayoshi, Lecturer, Department Civil Engineering, Faculty of Science and Technology Yoko Iwamoto, Assistant Researcher, Department of Physics, Faculty of Science Division1 Masataka Nishikawa, Vice director, Environmental Safety Center
Guest Researcher	Kazuma Aoki, Professor, University of Toyama Yasuto Igarashi, Head of Fourth Laboratory, Atmospheric Environment and Applied Meteorology Research Department, Meteorological Research Institute Hiroshi Okochi, Professor, School of Creative Science and Engineering, Waseda University Yuji Zaizen, Head of Fourth Laboratory, Forecast Research Department, Meteorological Research Institute Shiro Hatakeyama, President, Center for Environmental Science in Saitama Hiroshi Hayami, Chief Researcher, Environmental Science Research Laboratory, Central Research Institute Ryohei Misumi, Chief Researcher, National Research Institute for Earth Science and Disaster Prevention Hitoshi Mukai, Director, Center for Global Environmental Research, National Institute for Environmental Studies Kazuo Osada, Associate Professor, Nagoya University Syundo Kato, Associate Professor, Tokyo Metropolitan University Masashi Kamogawa, Associate Professor, Tokyo Gakugei University Hiroshi Kobayashi, Associate Professor, University of Yamanashi Atsushi Matsuki, Associate Professor, Kanazawa University Hitoshi Asano, Assistant Researcher, Tokyo University of Science, Yamaguchi Jun Uetake, Researcher, National Institute of Polar Research Shinji Saito, Researcher, Tokyo Metropolitan Research Institute for Environmental Protection Tatsuya Sakurai, Assistant Researcher, Meisei University Yutaka Tobo, Assistant Researcher, National Institute of Polar Research Masanori Yabuki, Assistant Researcher, Kyoto University

Objectives

To clarify the effect of aerosols on air pollution and climate change, the ASRD will observe atmospheric pollutants in the urban, mountain, and maritime atmospheres.

Research subject

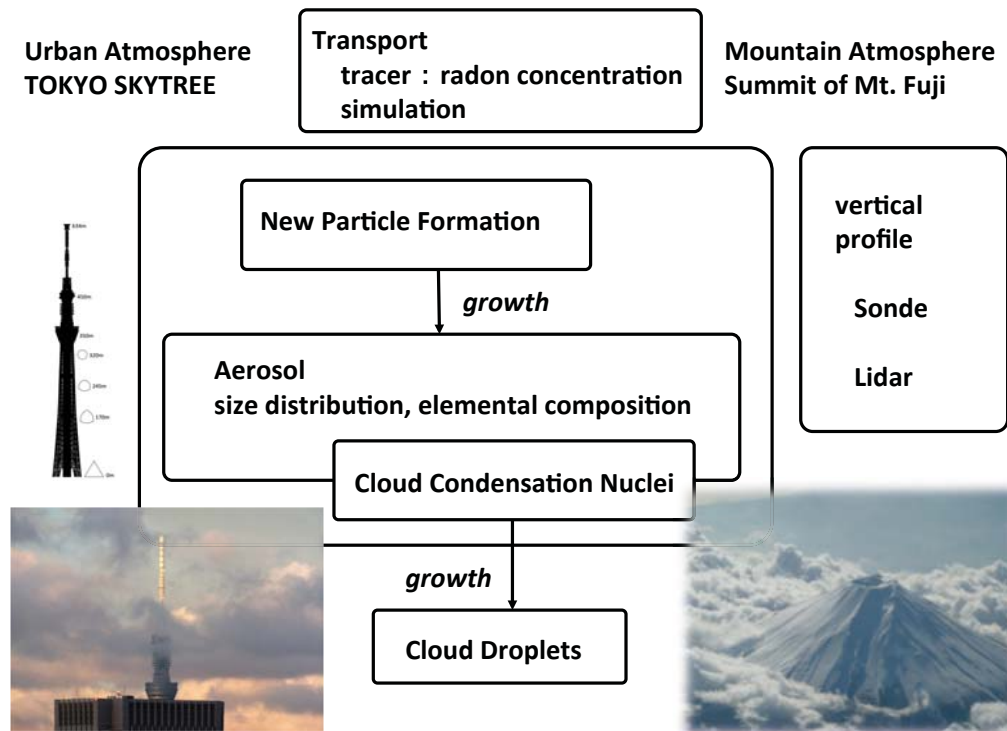
- High concentration cause of PM2.5 in the Kanto district
- Effects of atmospheric aerosols on climate change
- Process of new particle formation and cloud formation measured at the Tokyo sky tree tower
- Process of new particle formation and cloud formation at the summit of Mt. Fuji
- Mutual relationship of maritime atmosphere and the urban atmosphere



Future Development Goals

The ASRD will activate the collaborated research and make the network of Japanese atmosphere observatory.

Study on the process of new particle formation and cloud formation in the urban and maritime atmosphere



Factors Controlling Enhancement of Urban PM2.5 and Development of a Supporting Method for Administrative Monitoring Data

Environment Research and Technology Development Fund,
Ministry of the Environment (2016.4.1-2019.3.31)

(S1) "Study on the relation of the gas-like and particle-like ammonia and nitric acid"

Kazuo Osada (PI) (Nagoya University)

(S2) "Study on the urban PM2.5 cause in the Nobi Plain"

Makiko Yamagami (Nagoya City Institute For Environmental Sciences)

(S3) "Study on the urban PM2.5 cause in the Kanto Plain"

Shinji Saito (Tokyo Metropolitan Research Institute for Environmental Protection)

(S4) "Impact assessment of hygroscopic particles to be supplied to the PM2.5 mass concentration"

Yoko Iwamoto, Kazuhiko Miura, Masataka Nishikawa, Katsuhiro Nagano (Tokyo University of Science)