**Air pollution in Anthropocene**

Prof. Kyung-Eun Min ([kemin@gist.ac.kr](mailto:kemin@gist.ac.kr))

ATMOS Lab. (Atmospheirc Trace Molecule Sensing Laboratory),

SESEE (School of Earth Science and Environmental Engineering)

at GIST (Gwangju Institute of Science and Technology), Gwangju, Korea

Due to continuous industrial and economic developments, humanity in the world is living a life that requires more energy than ever before. As a result, the environmental burden associated with modern life is also increasing. In particular, the degree of atmospheric environmental load in these days specifically in northeast Asia has been drastically increase that it affects the daily lives of the general public beyond academical interest; high concentrations of ultrafine particles and ozone are the major examples of atmospheric issues we are facing in these day.

Through this presentation, the basic known knowledge about air pollution to the open research questions in atmospheric field will be discuss as well as the connection between air quality to climate change. The limitations in our control policies will be also discussed in depth.