

RIFS' past field campaigns and plans for observations of extreme air pollution in Nepal in a global air pollution hotspot region

Thursday 22 June 2023 12:25 (15 minutes)

Air pollution from South Asia, in particular heavily polluted Indo-Gangetic Plain (IGP) impact public health, ecosystems, and climate not only in the region but also the downwind regions like the Himalayan and Tibetan Plateau mountain regions. According to the latest IPCC report this region is still one of the least studied regions in the world in terms of atmospheric observations and many air pollution sources are either uncharacterized or under-characterized sources that prevent us from properly understanding the physical/chemical mechanisms of air pollution and mitigating its impacts. In order to advance our understanding of air pollution in the region, RIFS (formerly IASS) organized the SusKat-ABC international air pollution measurement campaign in Nepal in 2013. Many state-of-the-art instruments were deployed in the campaign. There is however strong and urgent need to properly characterize the air pollution outflow from IGP to the Himalayan region, and thus a campaign METTA-G is being planned.

Primary author: Dr RUPAKHETI, Maheswar (RIFS)

Presenter: Dr RUPAKHETI, Maheswar (RIFS)

Session Classification: Earth System Modelling & New observational systems and sources of information

Track Classification: New observational systems and sources of information