

Environmental Research, Technology Demonstration and Conference Project

ECF Project:	ECF 2021-98
Project Title:	The International Expert Workshop on Volatile Organic Compounds 2023
Principal Investigator:	Professor Guo Hai, Professor, Air Lab-in-Charge, Department of Civil and Environmental Engineering, The Hong Kong Polytechnic University
Total Approved Grant:	\$500,000 or 70% of the total actual expenditure, whichever would be the less
Duration:	14/10/2023 to 13/01/2024
Project Status/Remarks:	On-going
Project Scope:	<p>Volatile organic compounds (VOCs) play important roles in atmospheric chemistry, which in turn affects climate, air quality and human health. VOCs are emitted from natural and anthropogenic sources. It is therefore important to timely institute ground-based sites, aircraft platforms and satellite observations for long-term and/or intensive short-term measurements of VOCs with quality assurance.</p> <p>The aim of the workshop is to review the progress in global VOCs observations, to discuss new and emerging measurement techniques, to assess the methodologies in data quality assurance and global data archiving, and to explore the role of VOCs in atmospheric chemistry. The workshop is organized by the VOC Expert Group within the Scientific Advisory Group of Reactive Gases of the Global Atmosphere Watch (GAW) Program lunched by World Meteorological Organization (WMO). It is a routine event every two to three years that attracts scientists around the world. Previous workshops were held in Europe and USA. This is the first time it will be held in Asia. It is hoped that WMO/GAW VOC Expert workshop will be a showcase for local research and researchers and hence the support from ECF would be very beneficial to the conference.</p>
Summary of the Findings/Outcomes:	To be available upon completion of the project