



It is my pleasure to invite you to attend the Quadrennial Ozone Symposium (QOS) in Boulder, Co, USA, on 15 – 19 July 2024.

Despite its tiny fraction, ozone is a crucial gas in the Earth Atmosphere. The ozone layer in the stratosphere protects life on Earth by filtering out damaging ultraviolet radiation from the sun. In the troposphere, ozone is an important greenhouse gas and a strong pollutant at ground level. Since the last QOS, which was organized by our Korean colleagues of Yonsei University in Seoul, but finally held online in 2021 due to the covid19 epidemic, a variety of new developments and analyses have been made on all facets of atmospheric ozone, including its observation and impact on human health and ecosystems. New threats to the ozone layer have been identified, linked to e.g., the injection in the stratosphere of aerosols and trace gases by wildfires induced pyroconvection and by the submarine Hunga Tonga – Hunga Ha'apai volcano. In the latter case, huge amounts of water vapor were injected up to the mesosphere, which affected chemical, dynamical and radiative processes in the stratosphere. For tropospheric ozone, an up-to-date scientific assessment of its global distribution and trends from the surface to the tropopause is currently underway. The Quadrennial Ozone Symposium's program intends to address all these aspects. Through the foreseen keynote talks, presentations at the sessions and discussions at poster sessions and side events, QOS 2024 is of high interest for all scientists throughout the world interested in atmospheric ozone and more generally in the study of the Earth's atmosphere and climate.

A handwritten signature in black ink, appearing to read 'S. Godin-Beekmann', written over a horizontal line.

Sophie Godin-Beekmann  
President of International Ozone Commission