

**29th session of the Conference of the Parties of the
United Nations Framework Convention on Climate Change (COP29)
Baku, Azerbaijan, 11-22 November 2024**

**Bureau international des poids et mesures /
International Bureau of Weights and Measures (BIPM)**

Dear Delegates,

The BIPM is the intergovernmental organization through which more than 100 States and Economies act together on matters related to measurement science and measurement standards. Today, the BIPM is the custodian of the International System of Units, the SI and the international timescale - UTC and plays a coordinating role for the network of 250 measurement laboratories worldwide that work to ensure long term stable and equivalent measurements. This includes standards with centennial levels of stability that contribute to high-quality earth observation and the monitoring of climate variables, supporting greenhouse gas mitigation and energy transition initiatives.

Recent activities include:

- bringing together over 400 experts in September of this year to progress recommendations from the 2022 BIPM-WMO workshop on developments of standards and reference measurement methods for observations of atmosphere chemistry and physics, the oceans and hydrology, earth energy balance, the biosphere and cryosphere monitoring;
- supporting initiatives to monitor greenhouse gas emission reductions through new comparison services of CO₂ in air standards to provide fit-for-purpose calibrations for the growing number of instruments and monitoring sites for determining greenhouse gas emissions worldwide; and
- new collaborations and technical work to increase access to sea water standards for accurate measurement of fluxes of CO₂ to and from the oceans, and studies of the continued capacity for oceans to act as a sink for CO₂ emissions.

Thank you.



Dr Martin Milton
Director of the BIPM