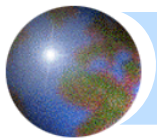


# **Review of the Recommendations of the 9<sup>th</sup> Meeting of the Ozone Research Managers and the Resultant Decisions of the 10<sup>th</sup> Conference of the Parties to the Vienna Convention**



***Michael J. Kurylo (USRA/GESTAR; USA)  
Gerrie Coetzee (SAWS; South Africa)  
Co-Chairs, 9<sup>th</sup> ORM Meeting***



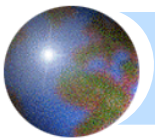


## The Recommendations from the 9<sup>th</sup> ORM Meeting (Geneva; 14-16 May, 2014):

- *Formulated in 4 areas (Research Needs, Systematic Observations, Capacity Building, Data Archiving and Stewardship)*
- *Took note of specific accomplishments in each area, addressing the 8<sup>th</sup> ORM Recommendations*
- *Complete text published in WMO Global Ozone Research and Monitoring Project Report No. 54*

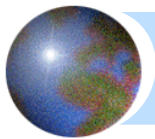
[http://www.wmo.int/pages/prog/arep/gaw/documents/Final\\_9ORM\\_No\\_54\\_web.pdf](http://www.wmo.int/pages/prog/arep/gaw/documents/Final_9ORM_No_54_web.pdf)

- *Highlights were presented at the Joint Meeting of the 10<sup>th</sup> Conference of the Parties to the Vienna Convention and 26<sup>th</sup> Meeting of the Parties to the Montreal Protocol (Paris; 17-21 November 2014)*



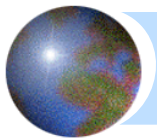
To help provide the context for drafting the current (10<sup>th</sup> ORM) recommendations, this talk will review:

- *The Overarching Principles that provided the framework under which the 9<sup>th</sup> ORM Recommendations were formulated*
- *Some key 9<sup>th</sup> ORM Recommendations in each of the four specific areas*
- *Specific Recommendations regarding the Vienna Convention Trust Fund for Research and Systematic Observations*
- *The ensuing Decisions of the Parties at the 10<sup>th</sup> COP / 26<sup>th</sup> MOP*



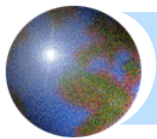
## Framework for the 9<sup>th</sup> ORM Recommendations:

- ***Background established by the findings from the most recent WMO/UNEP Assessments***
- ***Overarching Principles***
  - **Climate Change should be encompassed in ozone layer protection efforts**
  - **Observational and Analysis Capabilities for climate and ozone layer variables must be maintained and enhanced**
  - **The Vienna Convention Trust Fund for Research and Systematic Observations should be continued and enhanced**
  - **A continued dedication to build Capacity for meeting those goals is essential**



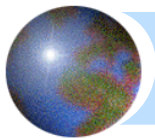
## Key Recommendations in the Four Areas:

- **Research Needs & Systematic Observations are two highly complementary areas**
  - **Sustained measurements and improved models needed to better project the effects of a changing climate and decreases of ODSs on the ozone layer**
  - **Deep concern about diminishing observational capabilities internationally for ozone, ozone- and climate-related species, UV, and other atmospheric parameters**
  - **Laboratory measurements that provide the foundation for satellite retrievals, ground-observations, and model simulations must be continued and the data critically evaluated**



## Key Recommendations in the Four Areas (continued):

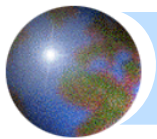
- ***Data Archiving without accompanying Stewardship is unacceptable***
  - Automated data submission with centralized processing and accompanied by quality assurance must be implemented to insure more cost efficient and effective archiving
  - Stewardship of data records to preserve their current and long-term use by the international science community is critical to understanding the evolution of the ozone layer in an atmosphere responding to other forcings.



## Detailed Recommendations in the Four Areas (continued):

- ***Capacity Building***
  - Training, Training, Training (e.g., instrument operators in developing countries and CEITs)
  - Establishment of Fellowships for enabling future leaders in developing countries and CEITs
  - Continuation and expansion of calibrations and data intercomparisons for maintaining the quality of the WMO/GAW global ozone observing system
  - Capacity building should not come at the cost of ceasing long-term measurements elsewhere

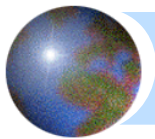




## Regarding the Vienna Convention Trust Fund:

- *Critical need for developing a Strategic Plan*
- *Recommendation that the UNEP Ozone Secretariat and WMO establish a VCTF Advisory Committee*
  - to develop a long-term strategy and implementation objectives and priorities in the light of the four overarching goals
  - to develop a short-term action plan that takes into account the most urgent needs of the Global Ozone Observing System
  - to assist in setting priorities and developing budgets to ensure cost-effective and timely implementation
- *Short- and long-term implementations identified and specific costed projects recommended for priority support in 2014 – 2016*





## Recognitions and ensuing decisions by the Parties at the 10<sup>th</sup> COP / 26<sup>th</sup> MOP:

- *Significance of the linkage between ozone layer research and climate research for future Montreal Protocol actions*
  - => *need for an integrated approach in such research*
- *Importance of enhancing observational capabilities, particularly in Article 5 countries*
- *Endorsement of the formation of a VCTF Advisory Panel with specific membership*
- *Recommendation for adoption and implementation of the 9<sup>th</sup> ORM Recommendations*
- *Stressed the importance of reviewing the response to recommended actions at the 10<sup>th</sup> ORM Meeting*