

Prof. Celeste Saulo
Director of the Argentinean National Meteorological Service



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Prof. Celeste Saulo is the Director of the Argentinean National Meteorological Service (SMN) as of July 2014 and serves as Permanent Representative of Argentina with the World Meteorological Organization (WMO) since then. As of April 2018, she serves as second vicepresident of the WMO. In June 2015, she was elected member of the WMO Executive Council. Between 2011 and 2018, she was member of the Scientific Steering Committee of the World Weather Research Program (WWRP) and has previously served in different panels of the WMO related to her field of knowledge. She is full professor at the University of Buenos Aires and research scientist at the Argentinean National Council for Scientific and Technical Research (CONICET, Spanish acronym).

AS THE DIRECTOR OF THE ARGENTINEAN MET SERVICE

In her role as Director of the SMN, she has mainly worked, in order to modernize the organization, on the basis of the three following axes: monitoring enhancement, quality of forecasts and communication with society, thus, giving rise to an interinstitutional and interdisciplinary hard work so as to contribute to the commitments made by the country with regards to the 2030 Agenda for Sustainable Development and the Sendai Framework. Moreover, she has contributed to a further articulation with the scientific and technological sector in order to generate a more effective transition between science and operational activities.

REGIONAL AND GLOBAL PERSPECTIVE

Under her direction, the SMN has been the venue of different activities leading to improve the capabilities of the Meteorological and Hydrological Services of developing countries, with intense activity in the training field, in accordance with the country's role of Regional Training Centre. Furthermore, she has fostered inclusive policies on gender issues and has promoted the integration of new generations in all the relevant areas. A proof of that is the creation of the WMO's YESS (Young Earth System Scientists) office at the SMN.

RESEARCH CAREER AND ACADEMIC BACKGROUND

Her experience within the field of meteorology dates back to 1988 when she started her academic activity as teaching assistant in Atmospheric Sciences at the University of Buenos Aires (UBA) where she obtained her degree (1987) and her PhD (1996) as well. Furthermore, she was elected by her peers, students and graduates, as Director of the Department of Atmosphere and Ocean Sciences at the Faculty of Exact and Natural Sciences of the UBA for two consecutive periods (2009-2013). Her extensive teaching experience is connected with the areas of numerical weather prediction, atmosphere dynamics and thermodynamics, mesoscale meteorology, cloud dynamics and cloud microphysics. Her experience as research scientist initiates at the CONICET's Oceanic and Atmospheric Research Center (CIMA, Spanish acronym). In her scientific career, she specialized in numerical weather prediction, ensemble forecasting, data assimilation, short-to-medium range prediction and predictability, land-atmosphere interactions and the study of heavy precipitating systems in southern South America. In the last years, her main lines of investigation focused on interdisciplinary problems such as wind energy production, climate services for agricultural applications and early warning systems.

She has authored and co-authored 49 peer-reviewed scientific journal articles and book chapters. Furthermore, she has supervised five doctoral theses as well as many students, both at the undergraduate and graduate levels, acting as Pi or co-Pi of research projects funded by international and national agencies.