

	<p>Guoxiong Wu, IUGG Fellow</p>	<p>CHINA</p>
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Prof. Guoxiong Wu was born in Guangdong, China in 1943. He received his Ph.D. in meteorology from Imperial College of Science and Technology, London University in 1983. He served as Director of Key Laboratory of Numerical Experiment for Atmospheric Sciences and Geophysical Fluid Dynamics (LASG), Institute of Atmospheric Physics (IAP), Chinese Academy of Sciences (CAS) from 1993 to 2000.

He returned to China and joined LASG/IAP in 1985 and has been a professor till now. He worked as weather forecast engineer at the Central Weather Observatory of Northwest China from 1967 to 1978, a visiting scientist at the European Centre for Medium Range Weather Forecasts (ECMWF) from 1983 to 1984, and Senior visiting Research Professor at Geophysical Fluid Dynamics Laboratory (GFDL) of Princeton University from 1989 to 1991. He is one of the world top meteorologists who possess both solid mathematical and physical bases, and rich practical experiences. He was elected the Academician of CAS and Life Tenure Professor in 1997, Honorary Fellow of the Royal Meteorological Society (UK) in 2012, and Honorary Fellow of Chinese-American Oceanic and Atmospheric Association (COAA) in 2014.

Prof. Wu's research involves weather and climate dynamics, including numerical modeling and data diagnosis. Based on the conservation of Ertel potential vorticity, he developed the theory of Slantwise Vorticity Development (SVD) to explain the explosive development of weather systems such as the Southwest Vortex and torrential rain, and a series of theory for the development of subtropical anticyclone and the co-existence of subtropical monsoon and desert. He promoted the study of the Chinese meteorologists on the impacts of Tibetan Plateau on weather and climate, particularly on the onsets of the Asian summer monsoon, and for the first time pointed out that the onsets are divided into three consequent stages. Prof. Wu's research has resulted in more than 200 peer-reviewed papers published. He has given a large number of invited talks across the world.

Over the past 20 years, Prof. Wu has been actively involved in the international climate community. Some of his high level appointments in professional societies and international journals include: Executive Board Member of International Council for Science (ICSU) from 2011-2014, President of International Association of Meteorology and Atmospheric Sciences (IAMAS) from 2007-2011, Officer of WMO/ICO/ICSU Joint Science Committee (JSC), World Climate Research Program (WCRP) from 2005-2010, and Editor of Climate Dynamics since 2000, etc. He has been PI's of many major climate related projects and programmes in China and he is currently the Chairman of Science Steering Group of National Key Science Research Program on Global Change funded by Ministry of Science and Technology of China, and on Land-Air Coupling over the Tibetan Plateau and Its Climate Impact funded by Natural Science Foundation of China.