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Professor Long Cao received his Ph.D. in the Department of Atmospheric Sciences at the University of Illinois at Urbana-Champaign. He then worked at the Department of Global Ecology at Carnegie Institution as a post-doctoral research fellow and Senior Research Associate. Dr. Cao joined the Department of Earth Sciences at Zhejiang University in year 2012. Dr. Cao's main research area is the Earth system modeling with the focus on the global carbon cycle, ocean acidification, climate system response to external forcing, and climate geoengineering. Dr. Cao has published more than 30 peer-reviewed journal articles, including publications in Proceedings of the National Academy of Sciences, Geophysical Research Letters, Climatic Change, and Environmental Research Letters. Dr. Cao is currently the Deputy Associate Editor of the journal "Climatic Change". In year 2014, Dr. Cao was awarded the WMO (World Meteorology Organization) "Norbert Gerbier-MUMM" award.