



Harlan Shannon

Harlan Shannon joined the World Agricultural Outlook Board in 1999. As a meteorologist, Harlan is responsible for assessing weather and climate impacts on Australian agriculture, developing geospatial products and applications to support WAOB agricultural weather and drought monitoring activities, preparing *ad hoc* weather analyses when extreme weather threatens U.S. crops and livestock, and serving as the WAOB focal point for World Meteorological Organization (WMO) related activities. In 2010, Dr. Shannon was appointed to the Management Group of the WMO Commission for Agricultural Meteorology (CAgM), helping to coordinate CAgM efforts to improve support systems for agrometeorological services worldwide.

Prior to joining USDA, Harlan worked for the Center for Conservation Research and Technology. He researched how the soaring flight of several bird species varied with changes in thermal depth and intensity, and developed a numerical model to forecast soaring flight times and altitudes to reduce the bird strike hazard to aircraft. Harlan has B.S., M.S., and Ph.D. degrees in Meteorology from Pennsylvania State University.