Yale University has been a UCAR member since October 1984. Yale faculty in two parts of the university, the Department of Geology and Geophysics and the School of Forestry and Environmental Studies, pursue research and educational activities relevant to UCAR and interact with NCAR. Among the Department of Geology and Geophysics research themes are: 1) atmosphere, oceans, and climate dynamics and 2) biogeochemistry, paleoceanography, and paleoclimate. The School of Forestry and Environmental Studies includes research themes on climate change, atmospheric science, and hydrology. Other departments pursuing relevant research include those of astronomy, chemical engineering, environmental engineering, and mechanical engineering. Collaborative research centers at Yale include the Center for Earth Observation, the Center for the Study of Global Change, and the Yale Institute for Biospheric Sciences.

Yale University has been strongly supportive of these departments, schools, institutes, and centers. A new Environmental Science Center brings faculty from Geology and Geophysics, Forestry and Environmental Studies, and Ecology and Evolutionary Biology together and houses the Center for Earth Observation.

Across these departments, schools, institutes, and centers there is a population of 53 undergraduate majors, 343 graduate students, 52 postdoctoral investigators, 29 research staff, and 101 faculty. Degrees granted between 2002-2003 and 2006-2007 were: 11 PhD, 6 MS, 64 MF (Forestry), 127 MESc (Environmental Studies), 25 MFS (Forestry), 389 MEM (Environmental Management), DFES (Forestry and Environmental Studies).

The following courses are relevant to studies in the atmospheric and related sciences: Undergraduate Courses - Natural Disasters; Earth's Changing Climate; Atmosphere, Oceans & Environmental Change; Chemical Applications of Earth & Environmental Science; Organic Pollutants in the Environment; Transport Phenomena; Green Engineering & Sustainable Design; Observing Earth from Space; Introduction to Hydrology & Water Resources; Air Pollution Control; Water Quality Control; Dynamics of Evolving Systems; Environmental Hydrology; Biological Processes: Environmental Engineering; Environmental Transport Processes; Marine, Atmospheric & Surficial Geochemistry. Graduate Courses - Environmental Chemistry; Geochemistry of Radioactive Isotopes; Environmental Chemical Kinetics; Hydrogeological Modeling; Global Resources & the Environment; Thermodynamics of Astrological & Geological Physics; Climate and Life; Biological Perspective of Global Change; Aquatic Chemistry; Coastal Ecosystems; River Processes & Restoration; Case Studies in Water Resource; Intro to Organic Geochemistry; Workshop in the Environment & Natural Resources; Seminar in Geophysical Fluid Dynamics; Seminar in Global Change; Modeling Geographic Objects;
Studies in Global Geoscience; Meteorology, Oceanography and Fluid Dynamics; Climate Change Mitigation & Adaptation; Climate Change Seminar; Special Topics in Hydrology; Hydrologic Modeling; Green Engineering & Sustainability.

Many of the faculty members engaged in teaching these courses are internationally recognized scientists. A number of them are engaged in UCAR activities. Ronald Smith served on the Board of Trustees (1996-2002). Arnulf Grubler, Xuhui Lee, Ronald Smith, and Sabatino Sofia have research collaborations at NCAR. Additional links include use of the MM5 model, use of NCAR computing facilities, and use of the NCAR HIAPER aircraft. Both faculty and students have participated in various NCAR workshops.

The UCAR Membership Committee concludes that the membership criteria are fulfilled, and recommends to the Members’ Representatives that the membership of Yale University be continued as provided by the bylaws.