University Name **Yale University**
Name of Member Representative **Prof. Ronald B. Smith**
Name of Member Representative **Assoc. Prof. William R. Boos**

**PROGRAM INFORMATION:**
List the departments and programs at your institution that are engaged in atmospheric and related sciences.

- **Department of Geology and Geophysics (G&G)**
- **School of Forestry and Environmental Studies (F&ES)**
- **Department of Chemical and Environmental Engineering (Chem.&Env. Eng.)**

Indicate the total number of tenure-track and non-tenure-track faculty in the departments and programs listed above who are involved in atmospheric and related sciences.

- **(G&G) Eight Faculty:** Alexey Fedorov, William Boos, Trude Storelmo, John Wettlaufer, Ronald B. Smith, Mary-Louise Timmerman, Mark Pagani, Jeff Park

- **(F&ES) Three Faculty:** Nadine Unger, Michele Bell, Xuhui Lee

- **(Chem.&Env.Eng.) One Faculty** Drew Gentner

List the relevant degrees, certificates, and other educational programs offered in the atmospheric and related sciences at your institution.

- **(G&G) B.S., M.A., M.S., PhD.**
- **(F&ES) MEM, PhD**
- **(Chem.&Env.Eng.) B.S., M.S., PhD.**

How many undergraduate degrees were awarded in atmospheric and related sciences during the last eight years? **20**

How many graduate degrees were awarded in atmospheric and related sciences during the last eight years? **15**

**PROGRESS IN ATMOSPHERIC AND RELATED SCIENCES:**
Indicate your institution's progress and contributions in the atmospheric and related sciences within the last eight years. Check all that apply.

- Produced refereed and/or non-referred publications
- Produced textbooks or other teaching materials
- Received external funding
- Participated in scientific societies
Briefly describe any additional contributions or information you wish to share with the committee. (optional)

**PARTICIPATION IN UCAR ACTIVITIES:**
How many of the last eight Annual Members Meetings has at least one Member Representative from your institution attended? 6

If applicable, list the UCAR Governance Committees that your faculty and staff have served on during the last eight years. **none**

If applicable, list the NCAR Advisory Committees or Panels that your faculty and staff have participated in during the last eight years.

- **Prof Smith was lead author of NCAR Panel on Lower Atmosphere Observing Systems (2012)**

If applicable, briefly list UCAR/NCAR facilities and/or resources used by your faculty, staff, and students during the last eight years.

- **Prof. Smith was a PI for the DEEPWAVE project in 2014 using the NSF/NCAR Gulfstream V research aircraft. Several Yale faculty use Yellowstone computing resources (e.g. Smith, Boos, Fedorov, Storelomo, Lee).**

- **Prof. Boos has collaborated with the UCAR Science Education Center.**

- **Prof. Nadine Unger organized an NCL Workshop at Yale involving several NCAR staff.**

If applicable, briefly list examples of collaborative research activities with UCAR/NCAR staff by your faculty, staff, and students during the last eight years.

- **Professor Smith is co-author of the paper below, with NCAR scientists: William Cooper, Stuart Beaton, Jorgen Jensen and Pavel Romashkin.**


- **Professor Smith is a co-author of the paper below with NCAR scientist Greg Thompson**

If applicable, list participation in any other UCAR/NCAR activities by your faculty, staff, and students during the last eight years that are not already indicated above.

Professor Smith will give an invited EOL lecture in June 2016.

Former Yale graduate student Alison Nugent was an NCAR Visiting Student in 2013.