University Name **Iowa State University**  
Name of Member Representative **Jerry Zamzaw**  
Name of Member Representative **Xiaoqing Wu**

**PROGRAM INFORMATION**

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

1. Geological and Atmospheric Sciences
2. Agronomy
3. Aerospace Engineering
4. Agricultural and Biosystems Engineering
5. Economics
6. Statistics
7. Ecology, Evolutionary and Organismal Biology
8. Mechanical Engineering

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.

- **17 tenure track faculty and 4 non tenure track faculty in Geological and Atmospheric Sciences**
- **4 meteorology tenure track faculty and 1 meteorology non tenure track faculty in Agronomy**

T-C Chen (1)  
William J. Gutowski, Jr. (1)  
William A. Gallus, Jr. (1)  
Xiaoqing Wu (1)  
Kristie Franz (1)  
Alan Wanamaker (1)  
Yuyu Zhou (1)  
William Simpkins (1)  
Andy VanLoocke (2)  
Brian Hornbuckle (2)  
Raymond Arritt (2)  
Eugene Takle (2)  
Chris Anderson (2)  
S. Elwynn Taylor (2)  
Richard Cruse (2)  
Anupam Sharma (3)  
Hui Hu (3)  
Partha Sarkar (3)  
Amy Kaleita-Forbes (4)  
Matt Helmers (4)  
Catherine Kling (5)  
Bruce Babcock (5)  
Mark Kaiser (6)
List the relevant degrees, certificates, and other educational programs offered in the atmospheric and related sciences at your institution.

BS, MS and PhD in meteorology
MS and PhD in Agricultural meteorology
BS, MS and PhD in Geology

How many undergraduate degrees were awarded in atmospheric and related sciences during the last eight years? **220**

How many graduate degrees were awarded in atmospheric and related sciences during the last eight years? **80**

**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-referreed publications
- Produced textbooks or other teaching materials
- Received external funding
- Participated in scientific societies
- None of the above, but explained below

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? **8**

If applicable, list the UCAR Governance Committees that your faculty and staff have served on during the last eight years.

- Board of Trustees 2011-2016

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

- Founding Co-Chair, CESM’s Societal Dimensions Working Group (2011-2016)
- Science Advisory Board for the Developmental Testbed Center in 2010-2011
- Unidata Strategic Advisory Committee since 2011, and have been the chair since 2014
- Unidata Users Committee in 2008-2010
If applicable, briefly list UCAR/NCAR facilities and/or resources used by your faculty, staff, and students during the last eight years.

- Earth Observing Laboratory, Integrated Surface Flux Systems
- Summer Educational Field Deployment summer 2011
- Unidata products
- Grad students have used the NCAR supercomputing facilities and data archives
- EOL Field Catalog resources used during the PECAN project in 2015
- Students do a small amount of work on the NCAR supercomputers

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

- NCAR/EOL summer educational field deployment 2011
- NSF collaborative proposal for research in and near a wind farm 2016
- Mentoring of ISU student in UCAR SOARS program summer 2014
- Coauthorship of paper on wind farm modeling with NCAR staff 2015
- Collaborated with Linda Mearns and her staff on NARCCAP and, later, CORDEX. Co-authored papers with her on NARCCAP outcomes
- NCAR Greg Thompson served on Eric Aligo's PhD committee and had extensive collaboration with us during 2008 and 2012
- NCAR Joe Tribbia served on Elisabeth Callen’s PhD committee

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.

- ISU students have participated in the summer leadership program every year
- ISU student Meghan Applegate was in the UCAR SOARS program 2014
- PhD student Brad Carlberg presented at the Unidata Triennial Workshop in 2015