York University

York University has been a member of UCAR since 1996. The areas of York University involved with UCAR related disciplines are the Department of Earth and Space Sciences and Engineering (ESSE), the Department of Geography, the Centre for Earth and Space research (CRESS) and the Centre for Atmospheric Chemistry (CAC).

Faculty size is strong and is enhanced with support from a relatively large research staff. Combined, these programs have 52 faculty members, and 40 research staff covering a range of atmospheric and atmospheric related disciplines.

These faculty support a strong academic program at both the undergraduate and graduate level, and graduation rates appear to be reasonable. They graduate a respectable number of students with ESSE granting 90 B.S., 54 M.S. and 27 Ph.D. degrees in the past five years. Additionally, CAC granted 7 M.S. and 12 Ph.D. degrees, while physical geography has granted 6 M.S. and 2 Ph.D. degrees in the past five years.

York supports research with department facilities that include instrument development laboratories, including Lidar facilities, facilities for building nano-satellites, a network of wind profilers and instructional facilities including a campus weather station.

Given the size of the faculty, a broad range of research is covered. UCAR related research spans the fields of remote sensing, atmospheric science with an emphasis on tropospheric and stratospheric dynamical and chemical modeling, regional climate change, boundary layer observation and air quality, fire modeling, whole earth modeling (surface to magnetosphere), and GCM modeling for Mars. Funding levels supporting UCAR related science (~2.6M/year) come from a number of agencies including the Canadian and European Space Agencies, Ministry of Environment, etc. Publication rates of 106 journal articles over the past five years appear adequate for a faculty of this size.

UCAR involvement seems consistent and reasonable with a number of collaborations and annual visits noted. The university provided short 2-page CV's for 15 active faculty members from ESSE, Geography and the CAC.

The UCAR Membership Committee concludes that the membership criteria are fulfilled and recommends to the UCAR Member's Representatives that the membership of York University be renewed.