South Dakota Space Grant Consortium
*Inspiring the next generation of South Dakota explorers*

**Goals**
- Attract young South Dakotans into STEM education and careers.
- Inform the general public of the benefits of NASA science and technology programs.

**Consortium structure**
- Statewide network of 26 member and affiliate organizations from education, industry and government.
- Seven-member Management Team represents SDSM&T, SDSU, Augustana, USGS National Center for Earth Resources Observation and Science (EROS), Sinte Gleska University, and Discovery Center (Pierre).

**Focus areas**
- Precollege robotics teams.
- College robotics and engineering design teams.
- Engaging Native American students in STEM.
- NASA internships and job placement.
- Over $280,000 in scholarships and fellowships at South Dakota public, private, and tribal colleges/universities in FY2005/2006.

**Annual NASA funds to state**
- FY2005 $335,000
- FY2006 $403,000
- FY2007 $410,000
- FY2008 $550,000 (requested)

South Dakota NASA EPSCoR Program
*Strengthening South Dakota’s research infrastructure*

**Goals**
- To expand research capacity in science and engineering fields critical to NASA’s future workforce.
- Science and technology-based economic development.

**Current NASA EPSCoR Program (2001-2007)**
- Annual NASA funds to state: $512,000 (cumulative $2.56 million)
- Principal institutions: SDSM&T, SDSU, Augustana, EROS, NASA Goddard, NASA Stennis.
- Research focus: Use of remote sensing technology for monitoring, predicting, and managing agricultural, ecological, and wild fire processes in the Northern Great Plains.

**New NASA EPSCoR Program (2006 and beyond)**
- Anticipate reduced funding: probably $400,000 or less annually (no program guidelines have been issued yet).
- Anticipate shorter awards: probably three years.
- New research focus must align with the Vision for Space Exploration.
- Priority research areas include those connected with new 2010 Research Centers, new Ph.D. programs, and the Interim Underground Laboratory at Homestake.
South Dakota Space Grant Consortium
Support for Native American Student Programs

- St. Francis Indian School $40,000
- Flandreau Indian School Success Academy $40,000
- NASA Explorer Schools $1,000
  - Todd County Middle School
  - Little Wound School
  - Kadoka School District
  - Coordination, logistics
- Scholarships to 11 Native American college students (20% of awards) $43,500 (including 5 at Tribal Colleges)
- Bridges to Success Program (SDSM&T) $3,000
- Tribal College Education Roundtable $3,500
- Sinte Gleska University GEAR-UP and SD GEAR-UP Programs $11,000
- SD Space Days (2005 at Black Hills Pow Wow & 2006 at Pierre Indian Learning Center) $10,000

May 14, 2007
http://sdspacegrant.sdsmt.edu