

UNIDATA Policy Committee Meeting

May 12, 2009

Arlington, VA

Topics

- Budget 2009
- GEO Budget Priorities
- NSF Collaborations
- ATM Future Personnel Changes

FY09 Budget and Stimulus Funds

FY 2009 Omnibus

NSF: \$6,490k (FY2008:\$6,065k est., +7%)

NSF R&RA: \$5,183k (FY2008: \$4,821k est., +7.5%)

American Reinvestment & Recovery Act (ARRA)

NSF: \$3002k

NSF R&RA: \$2500k

www.nsf.gov/recovery

GEO numbers are not final yet but look good!

GEO Budget Priorities

- *Climate Change
- *Dynamic Earth
- *Earth-Society Interactions
- *Education & Diversity

NSF Collaborations

Three Dear Colleague Letters Issued in February 2009:

- With the Directorate for Biological Sciences
 - Multi-scale Modeling (MSM)
 - Emerging Topics in Biogeochemical Cycles (ETBC)
- With the Directorate for Social, Behavioral, and Economic Sciences
 - Environment, Society, and the Economy (ESE)

Multi-scale Modeling (MSM)

- BIO and GEO (NSF 09-302)
- Focus on the development and/or integration of environmental models that link local, regional and global scales.
- Address key problems linking biological and Earth system processes over a variety of spatial and temporal scales
- Projects will develop theoretical foundations for the modeling and simulations of existing data and data collected by the new and envisioned NSF environmental observatories (e.g., EarthScope, OOI, CZO, NEON).
- <http://www.nsf.gov/pubs/2009/nsf09032/nsf09032.jsp>

Emerging Topics in Biogeochemical Cycles (ETBC)

- BIO and GEO (NSF 09-030)
- Focus on quantitative and/or mechanistic understanding of biogeochemical cycles, including the water cycle.
- Integrate physical, geological, chemical, and/or hydrologic processes with biological processes over various temporal and/or spatial scales and/or various levels of biological organization.
- Goals is to increase our understanding of how biological systems respond to changing physical and chemical conditions and how biological systems influence the physical and chemical characteristics of soils and sediments, air, or water.
- <http://www.nsf.gov/pubs/2009/nsf09030/nsf09030.jsp>

Environment, Society, and the Economy (ESE)

- SBE and GEO (NSF 09-031)
- Goal to increase collaboration between the geosciences and the social and behavioral sciences
- Examples of Prospective topics:
 - Decision-making strategies related to ongoing or predicted global, regional, and local environmental changes;
 - Economic and geosciences evaluation of technology and practices linked to climate change;
 - Development and implementation of mitigation strategies within political and economic constraints;
 - Interplay of environmental change and inequality of income, access to resources, etc.;
 - Politics and economics of resource agreements;
 - Environmental change and its impact on the evolution of human behavior
- <http://www.nsf.gov/pubs/2009/nsf09031/nsf09031.jsp>

ATM Future Personnel Changes

- Jarvis Moyers to step down as ATM Division Director
- Clifford Jacobs moving to GEO Front Office
- Steve Nelson will be Acting Section Head for ULAFOS until Cliff's replacement is hired
- Jay Fein plans to retire in December 2009

Questions or Comments