



NOAA SATELLITES AND INFORMATION SERVICE

EARTH OBSERVING SYSTEM (EOS) ARCHIVE AND ACCESS ENHANCEMENT TO CLASS

The National Requirement: The Nation requires a central repository to access data from select NASA EOS research satellite missions and operational satellite and *in-situ* data in NOAA's National Data Centers.

NOAA's Response: Through the NOAA National Data Centers, NOAA Satellites and Information provides long-term archive and access of long-term environmental data. NOAA has initiated an enhancement of its Comprehensive Large Array-data Stewardship System (CLASS) to incorporate data from EOS research missions into its long-term archive. By providing efficient, secure and cost-effective archive of and access to global NASA EOS data, NOAA will continue to support key challenges identified by the Climate Change Science Program such as improving understanding of the role of land-ocean-atmosphere exchanges in climate change. The launch of the National Polar-orbiting Operational Environmental Satellite System (NPOESS) Preparatory Mission (NPP) will provide continuity of the observations from the NASA EOS mission. By enhancing CLASS to include EOS data, the Nation will effectively have one central repository of satellite data spanning over 30 years of observations. This maximizes the Nation's investment in more than a billion dollars in satellite systems development and operation to improve our understanding of the Earth and changes that are occurring.

Partners and Customers: Partners include NASA and NOAA Offices. Customers of EOS data include the full range of Federal, state, and local governments; environmental and agricultural interests; public utilities; research and academic community; insurance, legal, human health and transportation sectors; and homeland security.

Financing: The FY2005 Budget requests **\$3.0 million** to continue to develop the EOS Archive Enhancement to CLASS.

For additional information: www.nesdis.noaa.gov and

<http://www.saa.noaa.gov/cocoon/nsaa/products/welcome>

