International Polar Orbiter Processing Package (IPOPP)

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The International Polar Orbiter Processing Package is a software package that is critical to the Direct Broadcast (DB) user community throughout its transition from EOS to NPOESS. IPOPP is the primary processing package that will enable the DB community to process, visualize, and evaluate NPOESS Preparatory Project (NPP) Sensor and Environmental Data Records

Why is IPOPP Needed?

- Meets high expectations by DB community for mission continuity from EOS to NPOESS
- Integrates Multi-disciplined science processing packages such as IMAPP (Atmosphere), SeaDAS (Ocean) and MODIS Land Rapid Response (Land)
- Provides DB community with user friendly processing packages for global as well as regional optimized value added applications
- Enables global feedback loop for NPP CAL/VAL campaigns
- Enable DB users to contribute their regional validated processing approaches/products to assist and improve global CAL/VAL efforts
- Initiates role of research to operations provider for Direct Readout Mission
- Facilitates the adoption/adaptation of DB regional optimized research/unique processing approaches to enhance functionality and capability
- Enables industry to productize government provided algorithms into commercial product lines which offer choice to all users

Who is the DB Community?

- Direct Broadcast Community includes US Department of Commerce, US Department of Defense, US Department of Agriculture, US Department of Interior, NASA, Environmental Protection Agency, International Meteorological Agencies, Universities, and Commercial Vendors IPOPP Architecture

INTERNATIONAL

ATOVS

WORKING GROUP

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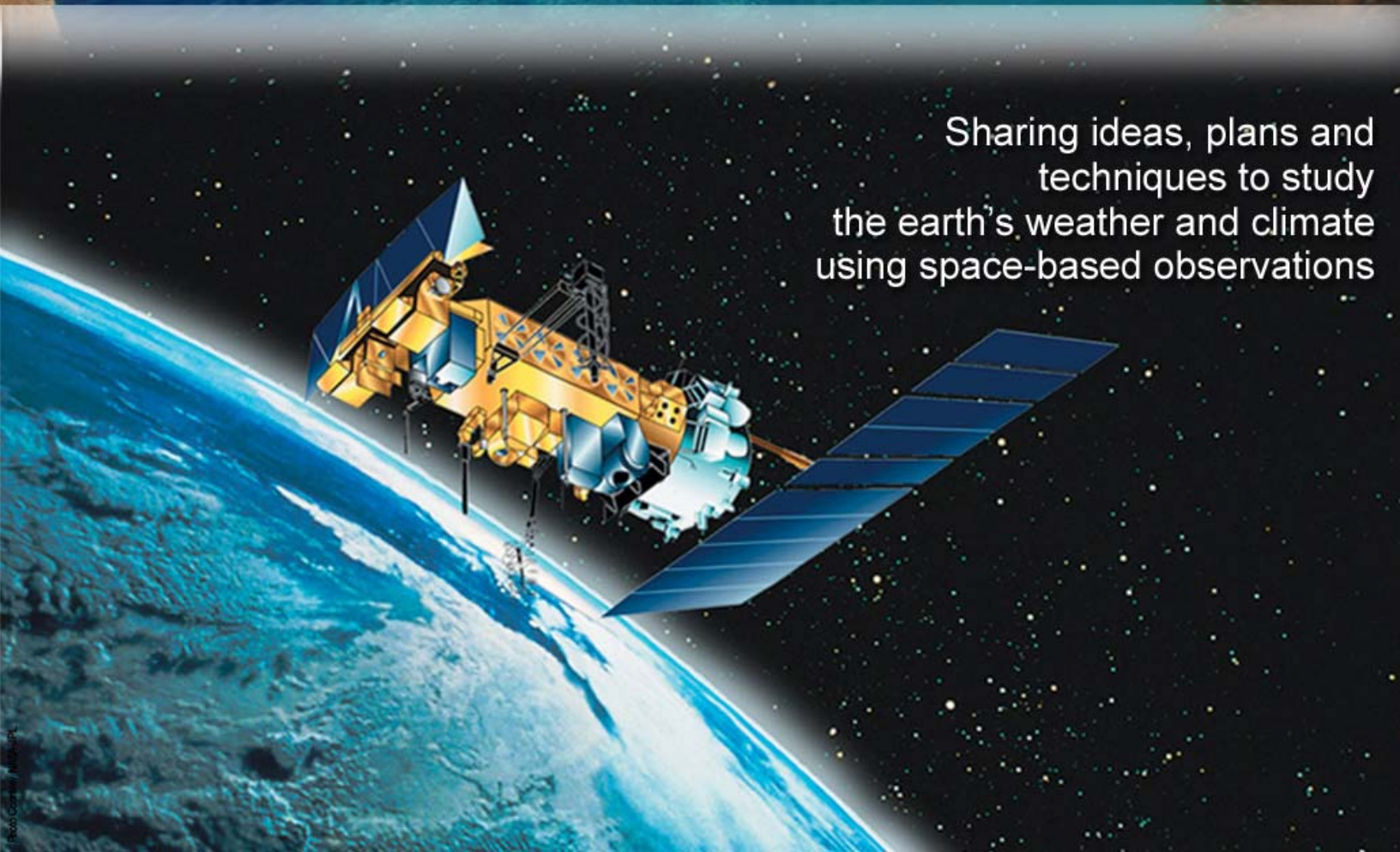

Sharing ideas, plans and techniques to study the earth's weather and climate using space-based observations