The Earth Science Data and Information System (ESDIS) project is working with several partners to prototype and evaluate data and services to the Cloud to enable more science and save costs. The program comprises a family of complementary prototypes, to be followed by operational transitions where shown to be cost-effective.

- **Alaska Satellite Facility DAAC**: is prototyping an Edge Server using AWS Web Object Storage.
- **ESDIS and MSFC**: are directing an Ingest + Archive Management Prototype using AWS Lambda services.
- **ESDIS**: is directing a prototype implementation of the Global Image Browse Service (GIBS) in the cloud using AWS Lambda services.
- **ESDIS**: will begin migrating the Common Metadata Repository (CMR) catalog and search engine to AWS this summer.
- **ESDIS**: will migrate its search client to AWS by July.

The NASA-compliant General Application Platform (NGAP) enables us to operationalize ESDIS applications in the OCIO’s General Purpose Managed Cloud Environment.

**Credits (so far...)**
- NGAP Team
- Computing Services Service Office (OCIO)
- ESDIS Networks Team
- ESDIS Security Team
- ESDIS Distributed Active Archive Centers
- ESDIS Review Team
- GIBS Team
- JPL Instrument Software and Science Data Systems
- Amazon Web Services
- Google Earth Outreach and Earth Engine
- Microsoft

*DAAC = Distributed Active Archive Center