

Proposal: Demonstrating the Value of CEOS-ARD Case Study Compendium

The Committee on Earth Observation Satellites (CEOS) has developed a framework for Analysis-Ready Data (CEOS-ARD) and has been working to prepare Product Family Specifications (PFS) for a variety of different products including Surface Reflectance, Surface Temperature, Normalised Radar Backscatter, Polarimetric Radar, and Aquatic Reflectance.

This effort has been undertaken to promote the production of satellite data that have been processed to a minimum set of requirements and organised into a form that allows immediate analysis with a minimum of additional user effort and interoperability both through time and with other datasets. This removes much of the data processing burden from users, accelerating uptake of satellite data and increasing the size of the user base.

This report/website is proposed to demonstrate the value of CEOS-ARD through a collection of case studies and impact reports, from data providers, data hosts and data users. The proposal is for a glossy/flashy report/website. The report will:

- Provide evidence of the impact of CEOS-ARD
- Demonstrate the value of CEOS agency investment in CEOS-ARD
- Serve as a regularly updated reference document that can quickly answer the two previous points.
- Provide a platform for data providers, data hosts and data users to exhibit their work related to CEOS-ARD.
- Serve as promotional material for various events where CEOS-ARD is represented.

Draft Outline

Introduction and Background

- CEOS-ARD Philosophy
- Why CEOS-ARD?
- CEOS-ARD Current Offerings and Roadmap
- Example Products

Impact Case Studies

- USGS: Statistics of CEOS-ARD uptake, impact, user feedback
- ESA: Statistics of CEOS-ARD uptake, impact, user feedback
- AWS (contacts via DE Africa?)
- DE Africa Application Examples
 - Omar
 - Andiswa
 - GEO (Ramage)
 - Adam
- Sinergise: Impact of CEOS-ARD on business, investment in SAR processor, examples from users?
- DLR: EnMAP and making hyperspectral more accessible?

Future Directions, Next Steps for CEOS-ARD Evolution, Conclusions

Further Information, Contact, Newsletter