Stewardship of NASA’s Earth Science Data and Ensuring Long-Term Active Archives

Hampapuram Ramapriyan 1,2  
Hampapuram.Ramapriyan@ssaihq.com, Jeanne Behnke 2  
Jeanne.Behnke@nasa.gov  
1 Science Systems and Applications, Inc., 2 NASA Goddard Space Flight Center

Data Sources

- Satellite-derived Mission  
- Airborne missions  
- In-Situ Measurement  
- Application support  
- Earth Science Research support

Data Stewardship

- Ensure that the data and information content are retrievable, of high quality, easily accessible, and usable for as long as they are considered to be of value.  
- Involves communications with data producing projects throughout their lifecycles  
- Essential to plan for long term preservation

Sources of Preservation Content

- Science Data Product Documentation  
- Science Data Product Software  
- Science Data Product Input  
- Science Data Products  
- Data gathering project (e.g., flight project)

Preservation Content Categories

- Preservation Content Specification (PCS)
- Preservation Content Categories

Key Messages

- Attention to preservation is needed throughout lifecycle  
- Preservation should be considered during Data Management Plan (DMP) development  
- Waiting for closeout phase of projects is too late – results in excessive labor and/or loss of essential information  
- Preservation Content Specification helps with planning ahead  
- We would like to see an international standard on preservation content

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