

Budgetary Tie To Maturity Model

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- Scientific Maturity
 - Hardware, Software, and Validation to produce immediately useful data
- Preservation Maturity
 - Hardware, Infrastructure, and Operations to ensure data useful over long term
- Societal Benefit/Impact
 - Immediate and long-term return on investment

- Each Maturity Component has Budget
- Expense Accounts
 - Scientific Maturity
 - Preservation Maturity
- Income Account
 - Societal Benefit/Impact
- Use Maturity as Element in Strategic Management of Current and Future Assets
 - Consistent with NRC Recommendations on Metrics for Climate Data

Computer Activities

- Hardware
 - Satellites
 - Instrument
- Data Production Software
- Documentation
- Validation
- Production Operations
- Administration/Management

- Hardware Refresh
- Infrastructure Software
- Ingest Operations
- Distribution Operations
- Production Operations for Reformatting, Transformation, Visualization
- Administration/Management

- Bibliometric
 - Publications, Citations, etc.
- Scientific Community Investment
 - New Phenomena
 - Data Used
 - Young Scientists Trained
- Societal Benefit
 - Improved Decision Making
 - New Markets