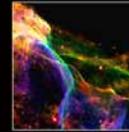
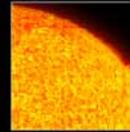


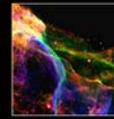
**The Goddard Library**  
Federal Library of the Year



# A Framework for Profiling the Goddard Core

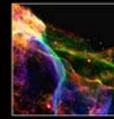
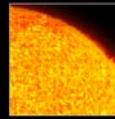
Gail Hodge

Metadata Review Group Meeting  
October 28, 2004



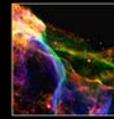
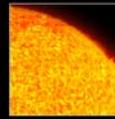
## Goddard Core To-Date

- Developed large set of elements
- Reduced it “so folks wouldn’t be scared off”
- Developed DAS to show capabilities
- Began working with individual projects
  - Hitchhiker effort was limited because at the end of the project
  - Landsat provides more input and feedback from project staff because it is an active project



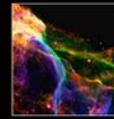
## **Landsat History Project**

- Initiated by the Landsat Office
- Preserve 25+ year history of Landsat
- Digital library about history of Landsat for use by historians, journalists, students, policy makers, and the public
- Project history rather than project products
- Multi-agency and multi-contractor
- Includes submission system and digitization of historic documents
- Collection available via Landsat and DAS interfaces



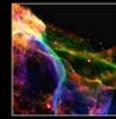
## What We Learned

- More specific controlled vocabulary is needed
  - Vocabulary becomes three-tiered (NASA Taxonomy, Goddard, Project)
- Metadata element changes are mostly Administrative
- Changes to mandatory and optional
- Some pick lists are shorter but some become longer
- Involves both extending and profiling the Goddard Core



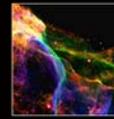
## Areas to Consider

- Granularity of elements depends on the local project interface
- Uncontrolled Subject elements can be controlled in a single-project environment
- Add pick lists for elements such as Subject.Instruments
- Constrain elements such as Format and Content Type
- Automatically supply elements such as Publisher.Code
- Modify or add administrative elements
  - New elements required if content is submitted rather than harvested
  - Rules for current Administrative elements such as Contributor may change
- Order and names of elements
- Mandatory versus optional elements
- Content Guidelines must be modified

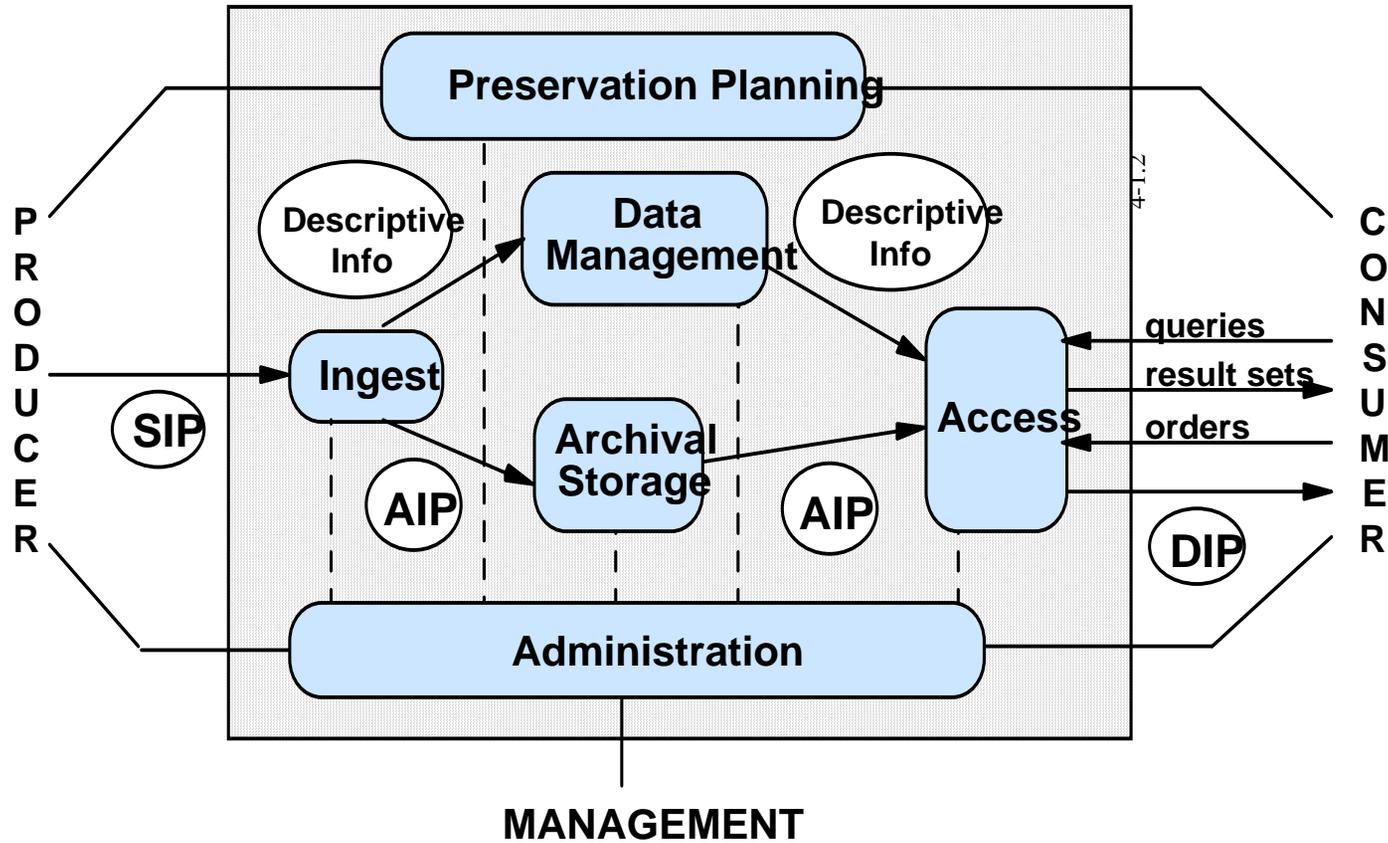


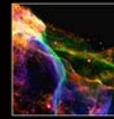
## Generalize to a Framework

- Framework fits with the Open Archival Information System Reference Model
- Reflects the Producer-Archive Interaction Methodology - ISO Recommendation (May 2004) from the CCSDS
- Acts as a check-list when we work with a specific project or group (similar to the Check-list envisioned by the CCSDS)
- Helps ensure individual project and DAS requirements are met
- Ultimately will result in a more automated system of DAS contributions

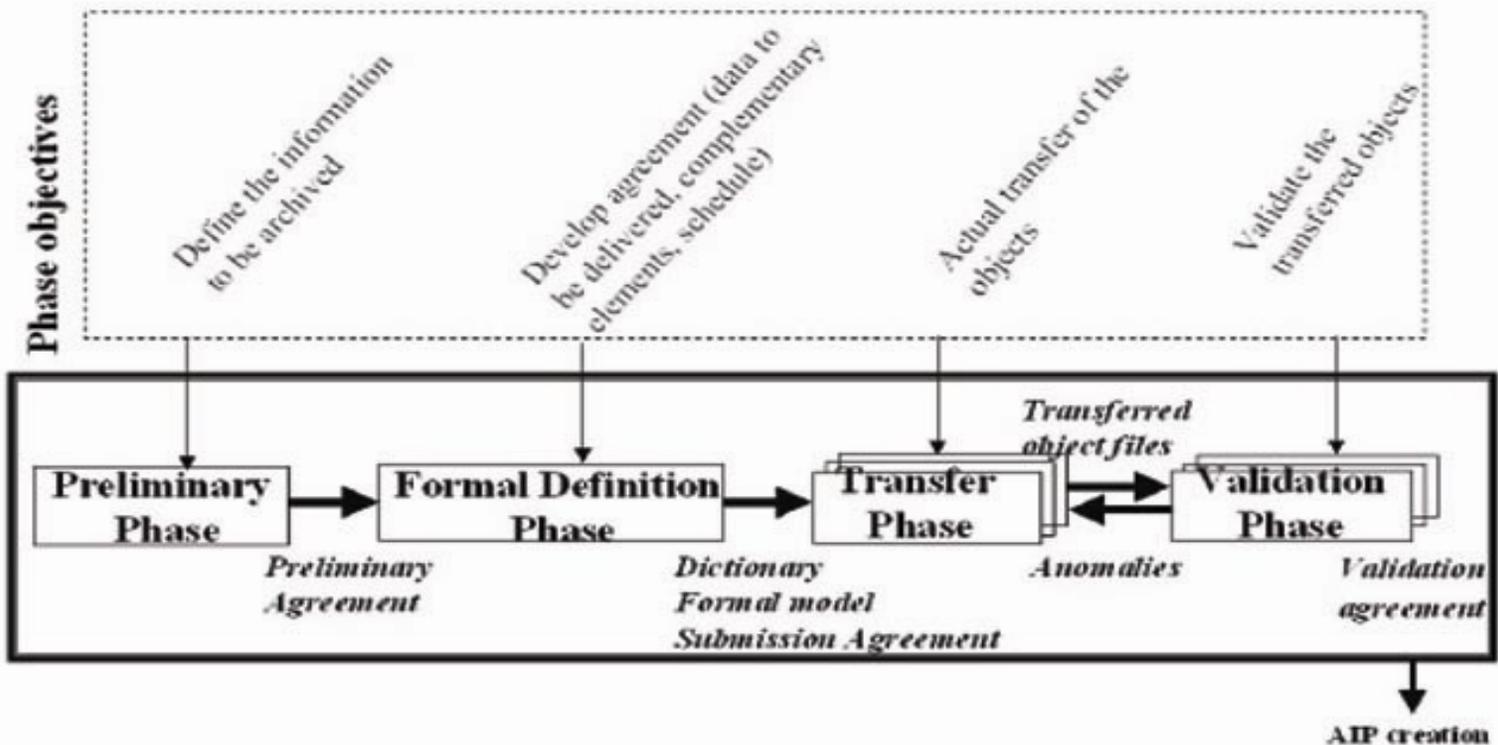


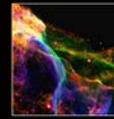
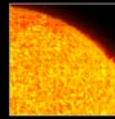
# OAIS



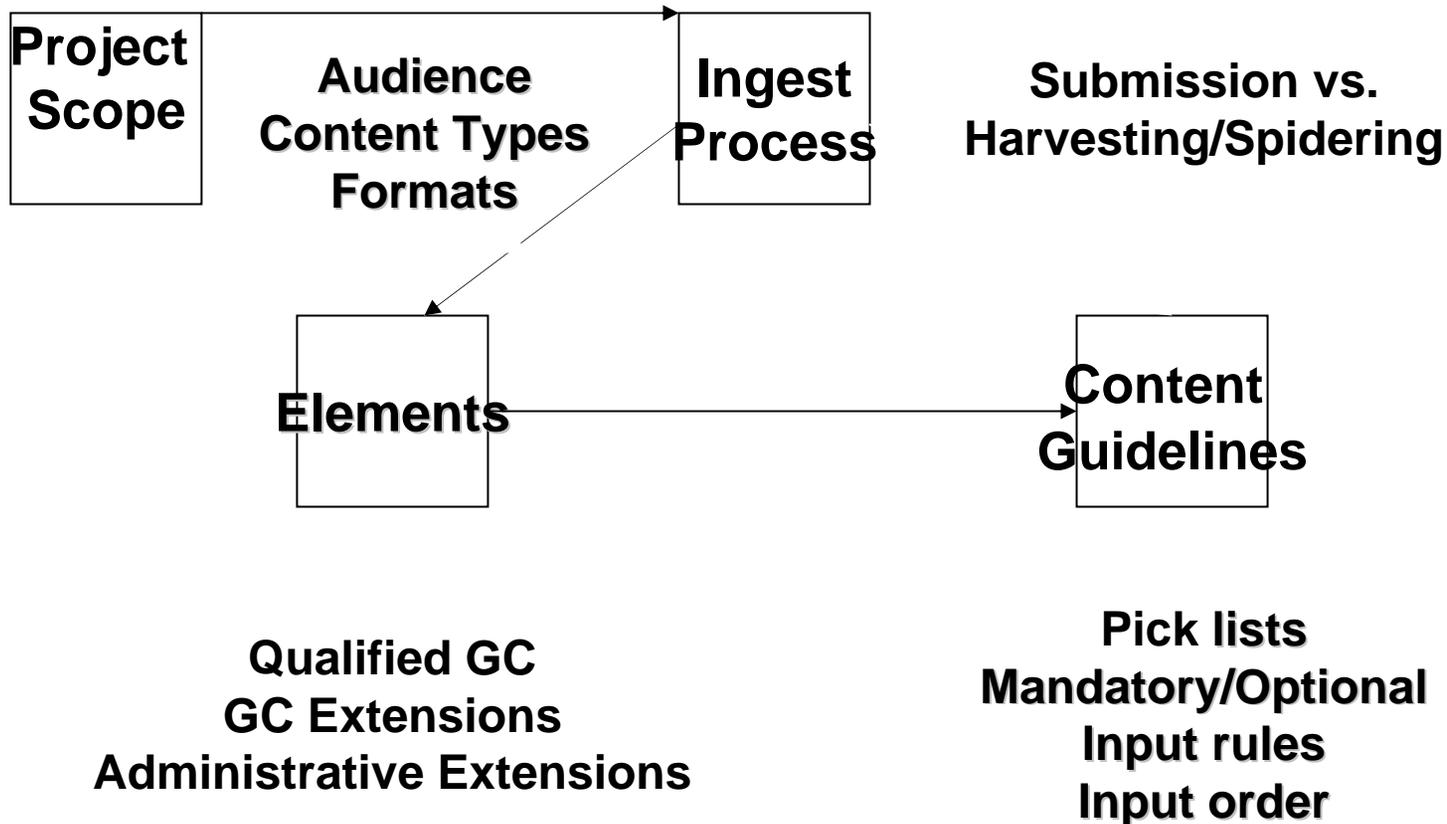


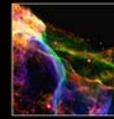
# Producer-Archive Interaction





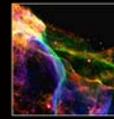
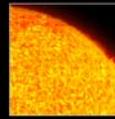
# Framework Components





# Categorizing the Changes

- **Qualified GC**
  - **Subject**
  - **Creator.Contract**
- **GC Extensions**
  - **Administrative**
- **New Pick Lists**
  - **Subject.MissionsProjects**
  - **Subject.Instrument**
  - **Subject.Competencies**
  - **Audience**
- **Constraints to Current Pick Lists**
  - **Format**
  - **Content Type**



## Next Steps

- Use the framework with other projects – perhaps backtrack to Balloon Technologies Collection
- Consider lessons learned when making decisions about institutional repository software
- Formalize the framework
- Document the changes in a 11179 Metadata Registry
- Continue to learn more from Landsat and others