

# USER CENTERED DESIGN

## Node Report

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## SUMMARY

PDS4 / PDS4 object access library

Tool development and maintenance

User search/browse study

NAIF geometry calculator

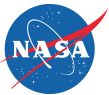


## PDS4 / PDS4 OBJECT LIBRARY

Working with DDWG and EN as needed to resolve issues from build 2b delivery.

Have begun design of PDS4 Java object access library – EN will collaborate in design and review.

Prototyping and development of library and label parser will help DDWG identify implementation issues.

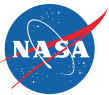


## OTHER TOOL DEVELOPMENT AND MAINTENANCE

Data Validator upgrade to PDS4 will build on PDS4 Object Access Library work – likely 1<sup>st</sup> half FY13.

Google image search v2 – presented poster at AGU – updating tool capabilities for deployment by early summer. Analytics and user testing should provide user feedback applicable to generalized PDS search capability.

NASAView+ – PDS4 NASAView capability replacement with additional better tie-ins to PDS4 services – design and deployment strategy to be coordinated with EN – will build on Object Access Library. Provides test cases for object library.



## USER SEARCH/BROWSE STUDY

Follow-on to user study from last year, focusing on questions raised by those results – “What does ‘browse’ mean?”, for example.

Interviewed 14 scientists distributed evenly across disciplines, and 5 others, based on their inputs from earlier study.

Finished interviews in December, report draft completed by Cori just before she left.

Will coordinate with Mgmt to move from draft to release.

Richer view of user search needs:

- Browse = iterative search + preview
- Users want 1 place to go for product-level search.
- Be more like Google: what does that mean?
- More search tie-ins: preview, visualization, conversion.



## NAIF GEOMETRY CALCULATOR

Work has resumed, working on feature stabilization across supported browsers and platforms as precursor to deployment.

Incorporating improvements suggested by NAIF and others in initial UI design.

Resolving usability issues encountered in preliminary user testing. Will engage in further user testing soon.

Adding automated, end-to-end testing.

