**Unified User Interface to Support Effective and Intuitive Data Discovery, Dissemination, and Analysis at NASA GES DISC**

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In order to improve the accessibility of GES DISC (NASA Goddard Earth Sciences Data and Information Services Center) tools and services, we have designed and implemented UUI, the Unified User Interface. UUI seeks to provide a simple, unified, and intuitive one-stop shop experience for the key services available at GES DISC, including subsetting (Simple Subset Wizard), granule file search (Mirador), plotting (Giovanni), and other services. In this poster, we will discuss the main lessons, obstacles, and insights encountered while designing the UUI experience. We will also present the architecture and technology behind UUI, including NodeJS, Angular, and MongoDB, as well as speculate on the future of the tool at GES DISC as well as in a broader context of the Space Science Informatics.

**Key features**
Allow the user to search/find/navigate-to ANY DATA RESOURCE, while retaining CONTEXT for cross-resource SEAMLESS NAVIGATION:
- Data granules
- Data subsets (in bulk)
- Data visualization in/from Giovanni/HDAT
- Data Documentation
- Dataset Landing Pages

**Interoperability**
UUI frontend is driven by backend services described in JSON WSP (JavaScript Object Notation Web-Service Protocol), facilitating automated service discovery and a high interoperability with 3rd party clients. Where appropriate, service descriptions closely follow industry standards, including OpenSearch and OGFlash.

**Technology stack - JavaScript**
- Node.js
- AngularJS
- MongoDB

**Summary**
- UUI provides a modern user experience, replacing and integrating with a number of legacy data services and applications at GES DISC.
- Designed for simplicity, speed, and interoperability.
- Implementation takes advantage of modern technologies, ensuring high maintainability, evolvability, and forward compatibility with near-future technologies and partner services.