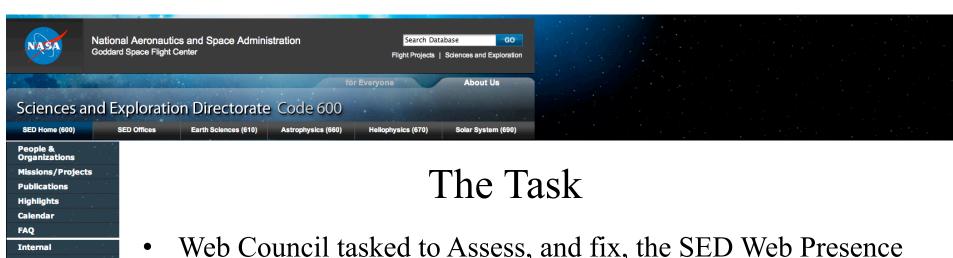


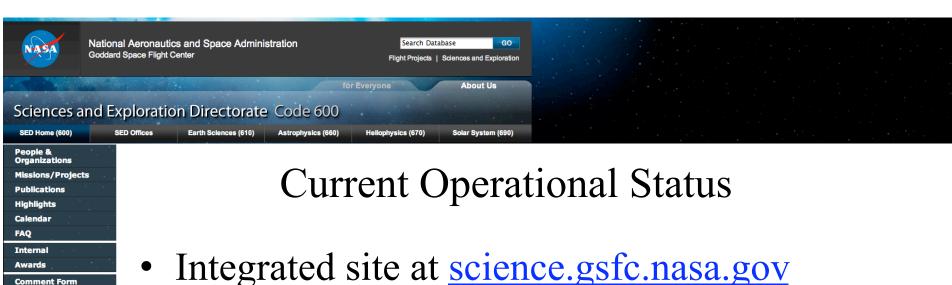
NASA Blueshift Twitter
 NASA Goddard Twitter
 NASA Goddard Facebook
 SDO Twitter
 Spacebook

Phil Webster Presentation to SED Senior Staff Meeting 1/25/11



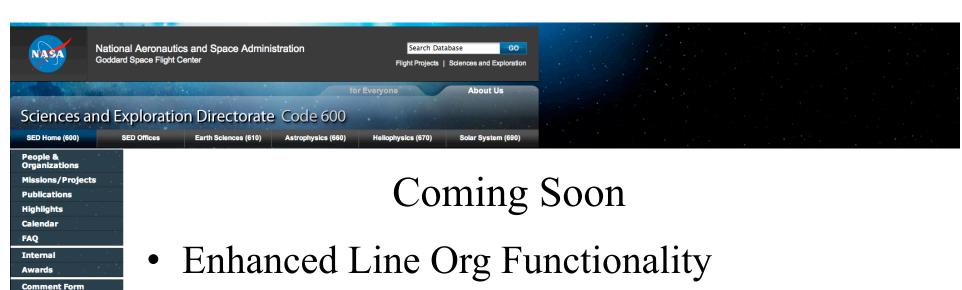
- **Comment Form** Quick Links
- > Earth Observatory Twitte
- > Geeked on Goddard blog > Hubble Telescope Twitter
- > IceBridge Twitter
- > Inside Goddard
- > JWST Twitter
- > LRO Twitter > NASA Blueshift Twitter
- > NASA Goddard Twitte
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- Web Council tasked to Assess, and fix, the SED Web Presence
- Started with Line Organizations (Projects next)
- Web Council designed modern, integrated site requiring minimal maintenance. Easy future re-design via CSS.
 - Scalable, extensible
 - Dynamic (DB-driven)
- Three Audience Groups
 - About Us (SED Mgmt & employees are the primary audience)
 - For Everyone (General Public and Educators)
 - For Researchers (Professional Scientists and Engineers)
- Started with "About Us"



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- Integrated site at science.gsfc.nasa.gov
 - Key Required Elements in place
 - Searchable Staff List w/Bio Pages*
 - Definitive List of Missions & Projects, by Organization
 - Publications DB*
 - Organization Highlights
 - Calendar*
 - Organization-Specific Links & Quick Links allow for customization



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- Automated Publications Ingest
- CV WYSIWYG Editor,* with Identity Mgmt
- Staff List searchable by Role (e.g. scientists, fire warden)
- Awards, Internal Sections
- Accomplishment Tracking
- For Everyone facelift* & automation (4/30)
- For Researchers (4/30)



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- Extend Page Templates into integrated Project "Site Templates"
 - Add Core Information Architecture for each Project Type (e.g., Field Experiment, Small Instrument,* etc.)
- Provide Project Site Improvement Support
 - Science Writer for Content Updates
 - DB structures, tables, pulls and even code, to support projects developing automated backends



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- Three part strategy for reviewing SED websites
 - Web Council currently addressing the Web Site Lifecycle; will make recommendations for SED, Division roles & responsibilities
 - IT Council recommend criteria for website hosting
 - SED Development Group Look and Feel: Page Templates available, more being developed. Consulting support for web pages.
- Divisions responsible for disposition of websites
 - Decommission, update in place, update and move to VME, OK as is
- CISTO will track progress



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- Recent News: Successful SQL injection attack on Fermi site via php script
 - Server (including other sites) taken off-line and static page displayed
 - Sites run through "Fortify" security analysis
 - Non-php scripts were validated and most sites and core capabilities brought back online in 4 days
 - Work continues checking remaining scripts including all php scripts; Fortify will be re-run

• Lessons Learned:

- Remove old scripts
- Minimize setting the 'executable' bit on pages
- Better education/training required; gsfc-sed-web-developers listserv being used to share "best practices" and code



Organizations
Missions/Projects
Publications
Highlights
Calendar
FAQ
Internal
Awards

Comment Form

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Backup Charts



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- SED Web Editor-in-Chief: 1.0 WYE
- Web Designer ~0.9 on CSS & Design
- Maintenance Developer: 1 WYE I&T, development
- Primus Team: 3WYE, 9/10 5/11
 - 4 Cold Fusion Developers FT for 8 months
 - 0.5 Manager for 8 months

Project Manager: 1.0 FTE



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- Using the VME 11 VMs
- Developer area, 2 VMs: web server & DB
- Testing area, 2 VMs: web server & DB
- Live Site, 4 VMs: 3 web servers (load balanced), 1 DB server
- SED "Web 2.0" sites, 3 VMs: 2 load-balanced web servers & 1 DB server
 - Blogs, Podcasts, Wikis, etc.