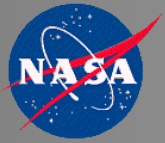


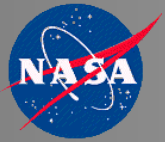
NASA Earth Science Data Systems (ESDS) Software Reuse Working Group

Vic Delnore (NASA LRC), co-chair
Angelo Bertolli (Innovim / NASA GSFC)
Ryan Gerard (Innovim / NASA GSFC)

ESIP Federation 2007 Summer Meeting
July 19, 2007



-
- Drive down the cost and time of system/software development and reduce or eliminate unnecessary duplication of effort.
 - Increase flexibility and responsiveness relative to Earth science community needs and technological opportunities.
 - Increase effective and accountable community participation.
 - Increase productivity and improve quality through reuse.
 - Increase the number of available reusable assets.



Reuse WG Activities

Reuse Implementation Projects

Efforts that result in the publication or use of a reusable component

Reuse Incentive Activities

Awards and structural changes that directly or indirectly encourage reuse

Support/Enablement Activities

Efforts that provide tools and mechanisms to enable reuse

Outreach and Education Activities

Efforts that increase community awareness and understanding of benefits, best practices, etc.

Policy Change Activities

Efforts to reduce policy barriers to reuse

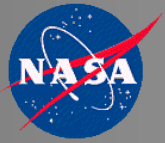
- Examples of work:

- Providing a package with templates for the software reuse Plone web site
- Recommending a peer-recognition software reuse award
- Recommending that NASA create a Reuse Enablement System (repository) for Earth science reusable software assets
- Creating a web site to promote and provide information about reuse
- Providing policy recommendations to NASA to help encourage reuse

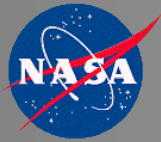


Topics for Discussion

- What work is ESIP doing in the area of software reuse?
- Is there a reuse group at ESIP? If not, should there be?
- Does ESIP find the ESDS work useful/beneficial?
- How can NASA and ESIP work together?



- Suggestions?



-
- Software Reuse Portal Web Site
 - <http://www.esdswg.org/softwarereuse>
 - Co-chairs
 - Vic Delnore <V.E.Delnore@nasa.gov>
 - Robert Wolfe <Robert.E.Wolfe@nasa.gov>
 - General Information
 - Jim Marshall <James.J.Marshall@nasa.gov>
 - Mailing List and Web Site
 - Ryan Gerard <Ryan.S.Gerard@nasa.gov>