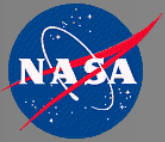
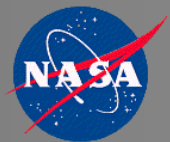


# Reuse Working Group Breakout #1: Introduction

9th Earth Science Data Systems Working Group Meeting  
New Orleans, LA  
October 20–22, 2010



- Under the auspices of NASA's Earth Science Enterprise (NESE), the Software Reuse Working Group (SRWG) will address technical issues as required to enable and facilitate reuse of software assets within the enterprise.
- The SRWG is chartered to oversee the process that will maximize the reuse potential of software components developed by the NESE.
- The WG will do this via (for example),
  - Delivering recommendations regarding software reuse in the NESE to NASA Headquarters through the ESDS WG Coordinator,
  - Collaborating, coordinating, and working closely with all areas of the NESE, with a focus on Decadal Missions, and
  - Disseminating information about software reuse to the community.



- 
- **Goals of the WG include:**
    - Demonstrating the feasibility and value of reuse,
    - Increasing the supply and availability of reusable assets,
    - Increasing the community's capacity and interest in reuse,
    - Contributing to the removal of existing barriers to reuse, and
    - Recommending incentives to encourage reuse.
  - **The scope of the WG includes:**
    - Facilitating reuse across projects,
    - Focusing on reuse processes,
    - Focusing on the reuse of existing and newly developed assets,
    - Focusing on software code, but also considering other software development artifacts,
    - Focusing on reuse of proven operational and NESE-specific software assets, and
    - Acting as liaison to other NASA ESDS WGs.

- Decadal survey missions
  - Plan for a workshop with missions to discuss reuse
  - Identify tangible benefits in missions
  - Papers: IGARSS, Winter ESIP Federation, Book Chapter
- Best practices and guidelines
  - Standard template for all ESDSWG Reuse documents
  - RRL 1.0 publishable document with use cases
  - Software Reuse Packaging 1.0 publishable document
  - Decadal Missions Reuse Study 0.1 draft document
    - ICESat-2, SMAP
- Reuse Enablement System (RES)
  - Closeout on existing prototype and roadmap for next phase
- Reuse WG Peer Award
  - Engagement with HQ to answer whether there should be a higher level NASA recognition



- IPP Office Engagement
  - NASA NTR form modification with RRL field
  - Pilot with JPL, GSFC, other centers?
- Publishing opportunities and conferences
  - IGARSS
  - ESIP Meetings
  - AGU
  - ICSE
  - SEWORLD mailing list
- Invited speakers on methods and application of software reuse in NASA Earth Science Data Systems
  - From academia (Chris can provide suggestions)
  - From industry
  - From NASA, NOAA, DOE
- Other suggestions?