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# Metadata, Repositories, and Registries

April 27, 2012

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# Outline



- Drivers
- Goals
- Assumptions
- Projects
- Going Forward



# Drivers



- ADL Strategy
- DOD Instruction 1322.26
- NETCNOTE 1500:
  - Requirements for Tagging Metadata in Content Packages



# Goals



- **Development**
- Make training development more efficient
- Source Material
- **Learners**
- Enable adaptive and intelligent systems
- Final Material

Minimize duplication of effort  
Maximize use of existing effort

# Healthcare Success: Programs

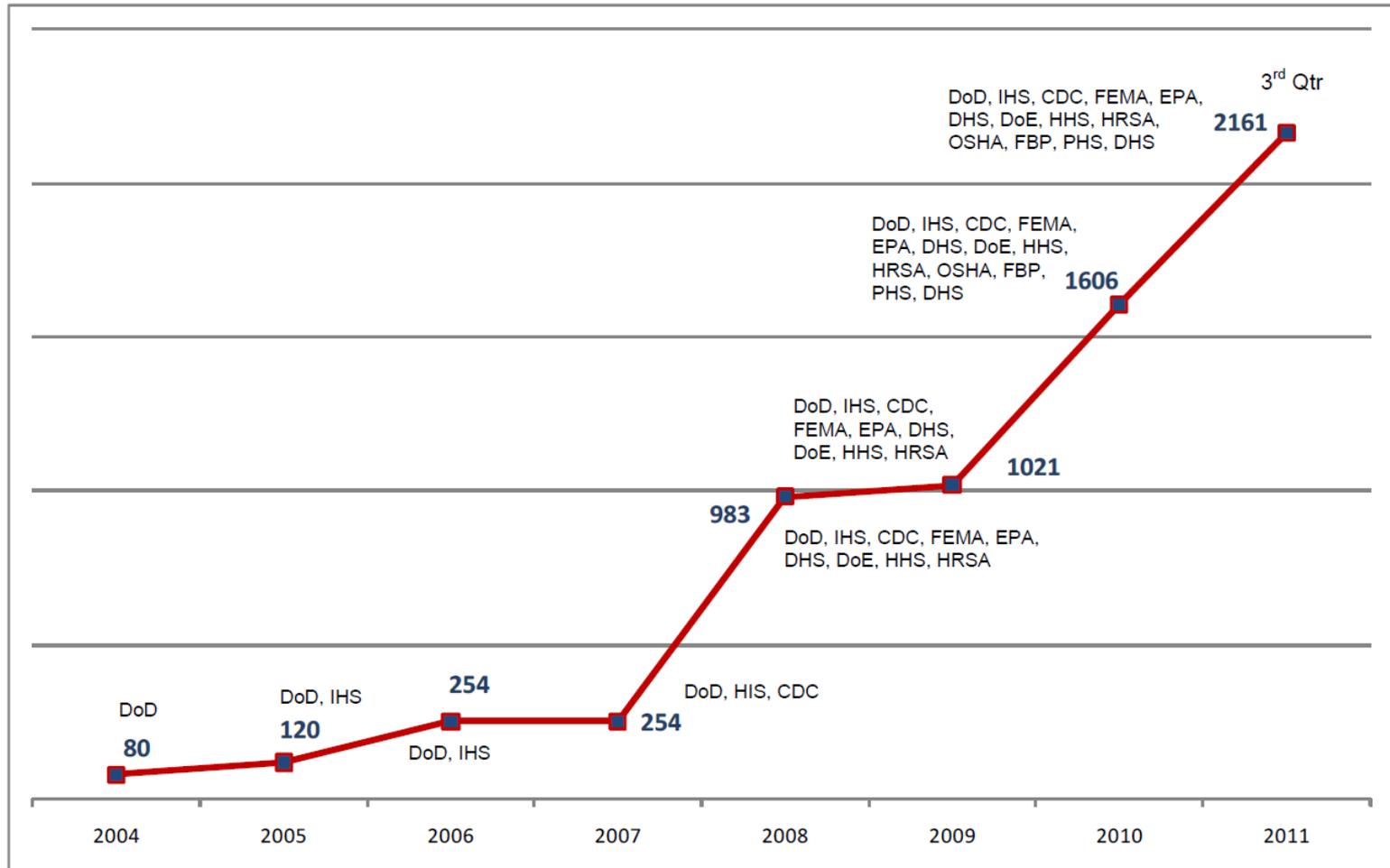


Figure 1 Programs and Sharing Partnerships

Twitchell, D. Seal, M. & Lynch, C. (2011). "Green" Training: Chronicling the Reuse of Government Healthcare Instruction. Retrieved from: <http://www.editlib.org/p/39064>

# Healthcare Success: Cost Avoidance

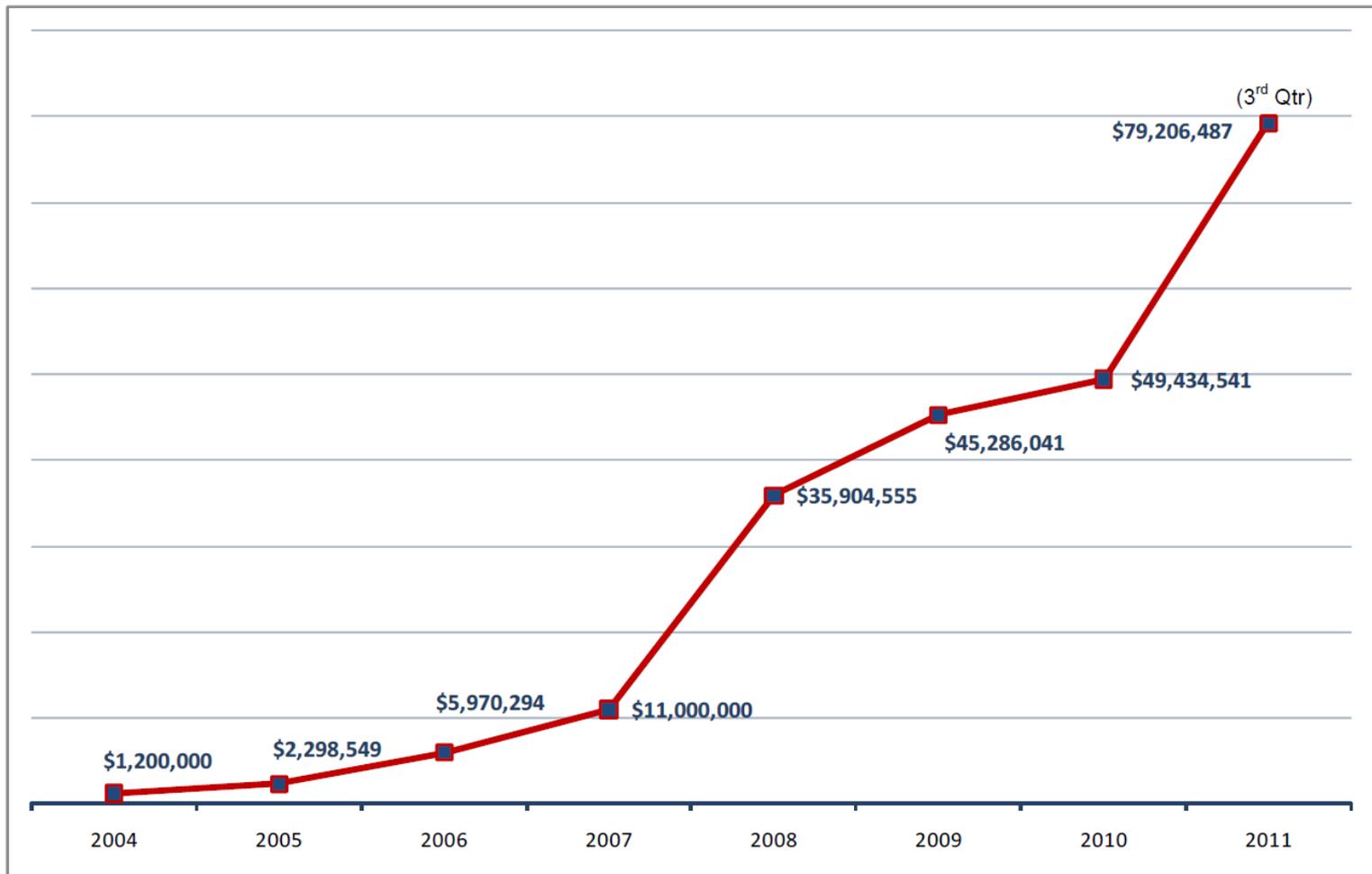


Figure 2 Cost Avoidance Growth in VA Shared Training Program

Twitchell, D. Seal, M. & Lynch, C. (2011). "Green" Training: Chronicling the Reuse of Government Healthcare Instruction. Retrieved from: <http://www.editlib.org/p/39064>

# **Assumptions**

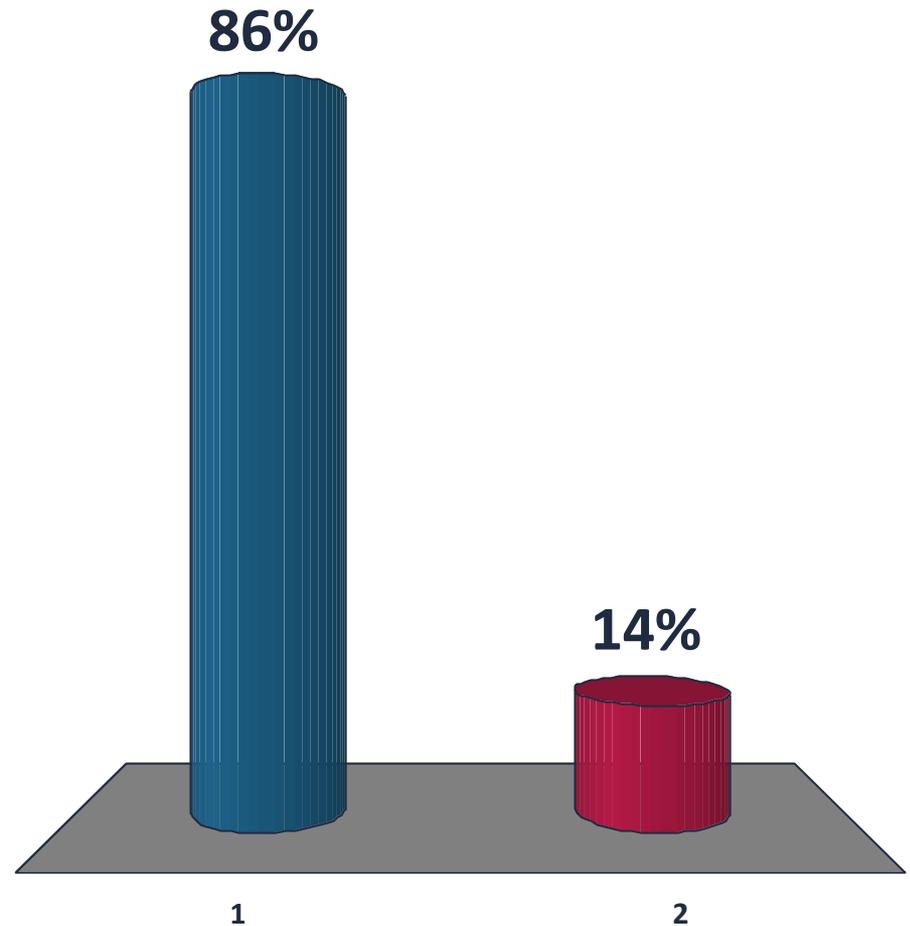


# Reuse



Reuse is worthwhile.

1. True
2. False





# Content Repository



- Web-based system
- Easy to upload, find, view, and download source and/or final media
- Version Control
- AKA Digital Library

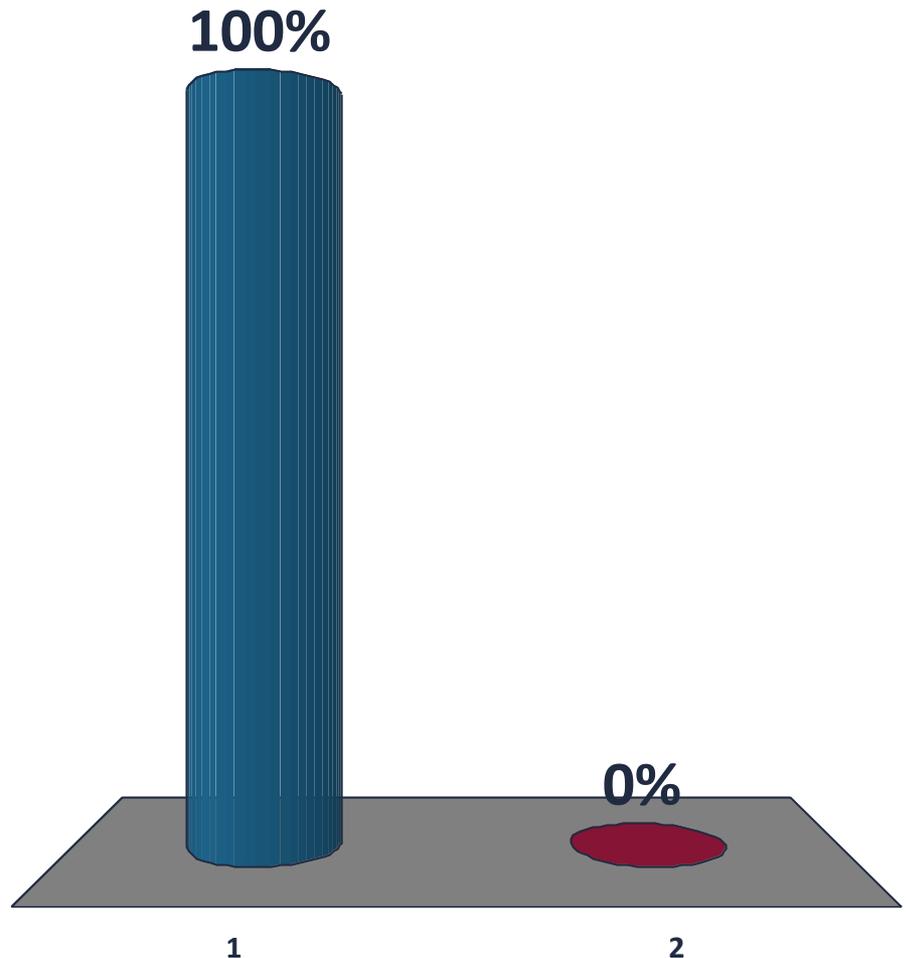


# Do you agree?



- LMS is for delivery
- LCMS is for authoring
- Content Repository is for sharing

1. Yes
2. No



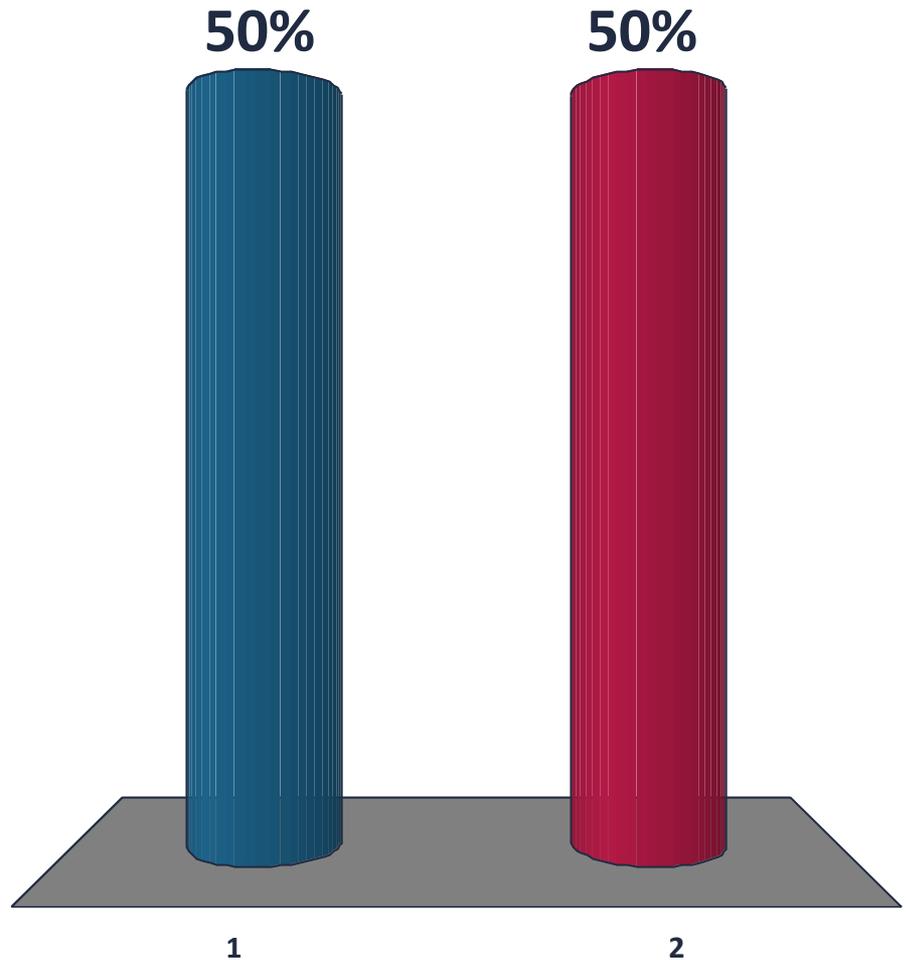


# Content Repository



Does your organization have a content repository?

1. Yes
2. No



# Projects



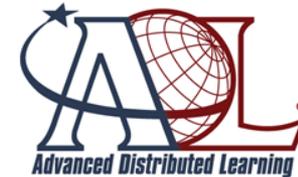
# ADL Registry



- The ADL Initiative is no longer supporting the operation of the ADL Registry.
- A general-purpose **Digital Object (DO) Registry**, based in part on the ADL Registry, is now available for download, installation, and use by any organization or community.



# Learning Registry

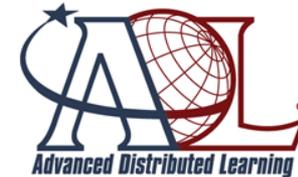


- Collaboration with Department of Education
- Distribution network for
  - Metadata describing learning content
  - Paradata describing how learning content is used

<http://www.learningregistry.org/>



# 3D Repository



- Easy to upload, find, view, convert, and download 3D models
- Demo site:  
<http://3dr.adlnet.gov/>
- Source Code:  
<https://github.com/adlnet/3D-Repository>



# VA Exchange

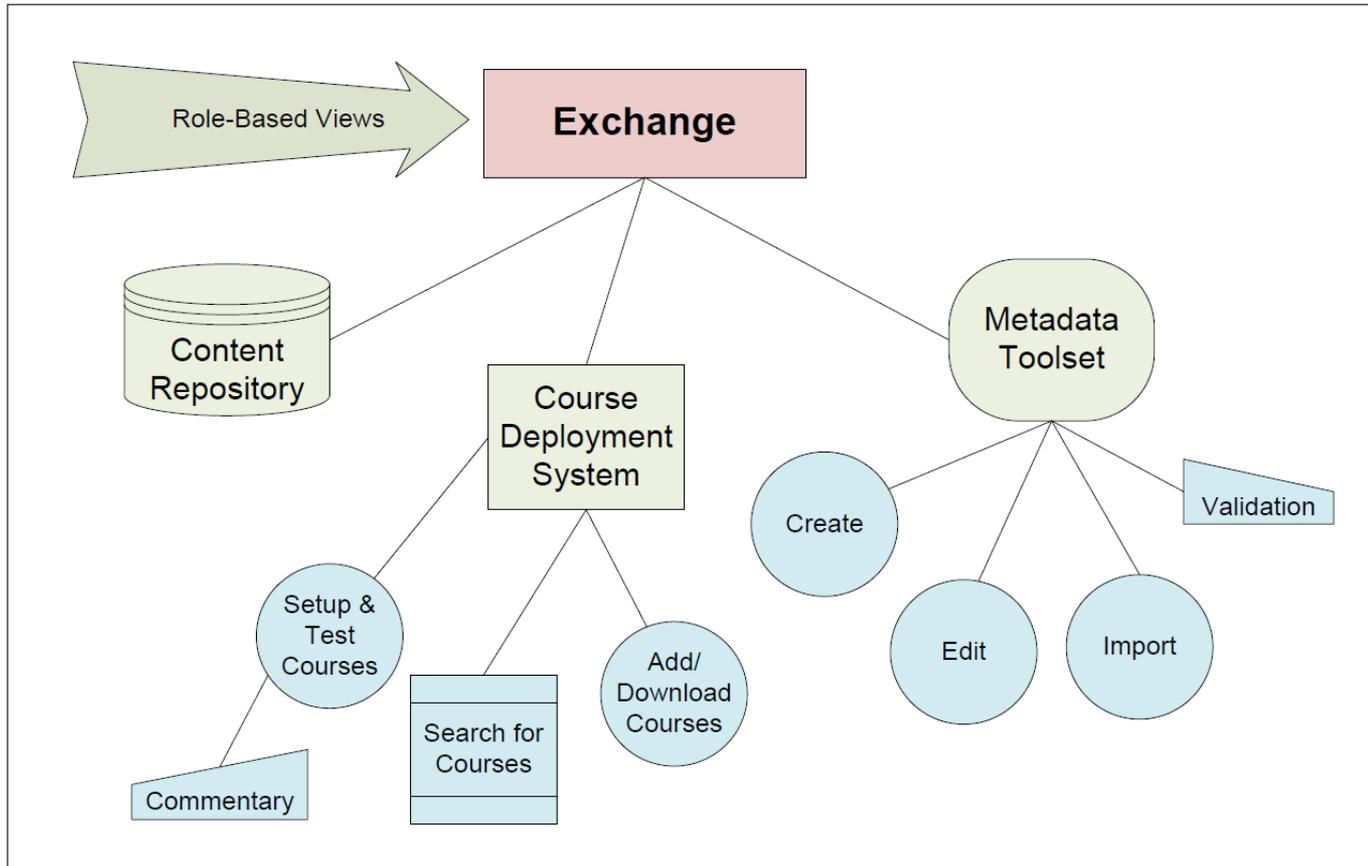


Figure 3 Exchange Architecture

Twitchell, D. Seal, M. & Lynch, C. (2011). "Green" Training: Chronicling the Reuse of Government Healthcare Instruction. Retrieved from: <http://www.editlib.org/p/39064>



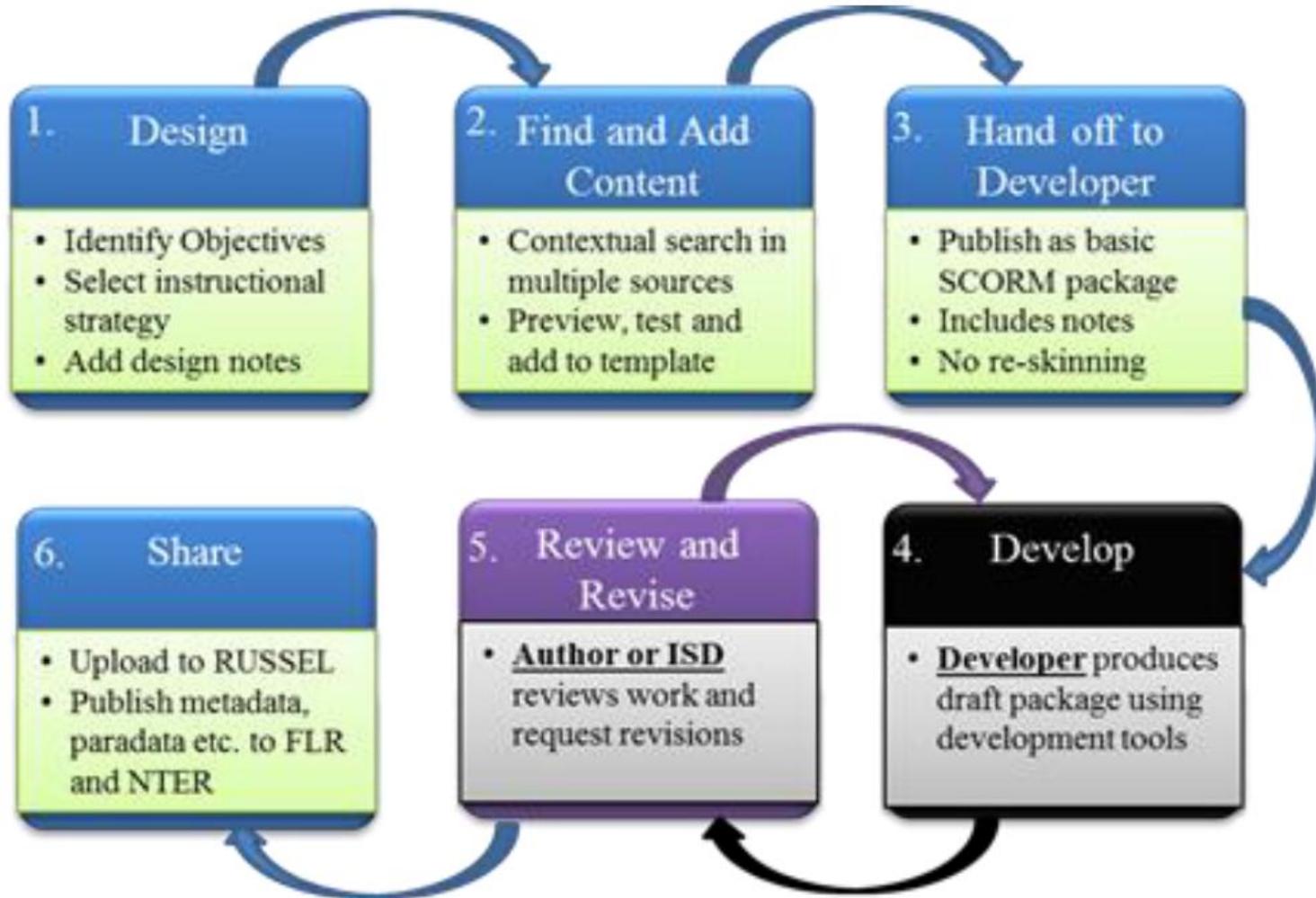
# RUSSEL



- Re-Usability Support System for eLearning (RUSSEL)
- Open Source Software (OSS):
  - Digital Library
  - Electronic Performance Support System (EPSS)
  - Community of Practice
- Final OSS Package: March 2013



# RUSSEL Workflow





# Evaluate Usability?



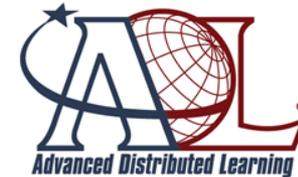
Are you willing to help evaluate the usability of RUSSEL?

1. Yes
2. No





# Metadata and Documentation



- NETCNOTE
- VA
- DDMS
- Learning Registry
- NSDL DC
- LRMI
- DMA  
Documentation
  - IP
  - Legal Reviews
  - Clearance Reviews

<http://www.adlnet.gov/guides/metadata>



# Source Delivery Process



- Once DLC has been developed and tested, DLC source materials should be delivered to the government and uploaded to a repository
- Final, Source, and Interchange Content

<http://www.adlnet.gov/guides/distribution>



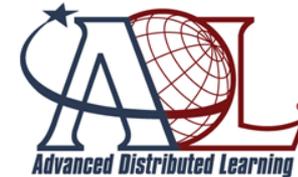
# Repository Practice



- MediaTrax –Repository of Naval Aviation Maintenance Training
- Hosted by the Center for Naval Aviation Technical Training (CNATT)
- Upload source materials to MediaTrax and final media to LMS



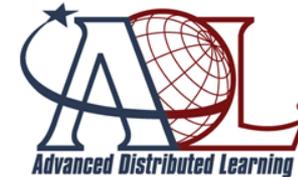
# Repository Requirements



- Usability (including making it easy for users to upload, find, evaluate, and download DLC)
- Management of Metadata and Documentation
- Security (including authentication, access controls, and information assurance)
- Integrations with federated infrastructure(s)



# Meeting



- Meeting to review repository requirements and implementation plans
- Tentatively, May 22 and/or 23
- ADL Co-Lab Hub (Alexandria, VA)
- [damon.regan.ctr@adlnet.gov](mailto:damon.regan.ctr@adlnet.gov)



# defenseimagery.mil



Would you like to see  
defenseimagery.mil host a  
“default” Content  
Repository?

1. Yes
2. No

