

[Demonstration of Selected Usability Evaluation Techniques for Data Repositories' Interfaces/Services](#) [1]

Submitted by mlangseth on Fri, 2016-10-28 15:07 Wednesday, January 11, 2017 - 16:00

Event: [Winter Meeting 2017](#) [2]

Session Type: [Breakout](#) [3]

Room Location: [White Flint Amphitheater](#) [4]

Expertise Level: [Beginner](#) [5]

Collaboration Area: [Preservation and Stewardship](#) [6]

[Usability](#) [7]

Abstract/Agenda:

Over the past few months, the ESIP Usability Cluster has been exploring usability principles and discussing how User Interface (UI)/ User Experience (UX) evaluation techniques can be employed to enhance Earth science data repositories. The Usability Cluster would like to host a session at the ESIP Winter Meeting demonstrating three different UI/UX evaluation techniques: cognitive walkthrough, usability testing, and heuristic evaluation, with respect to real-life data repository interfaces/services. Three different repository interfaces will be evaluated during the session, one for each UI/UX technique, to show that these techniques can yield immediate results without being overly time consuming or burdensome. We will finish with a discussion of how wireframes can be used to communicate evaluation feedback to developers and for additional quick and easy usability testing before implementing any changes to a live system.

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Accepted:

Keywords: [User Interface \(UI\)/User Experience \(UX\)](#) [19]

[Usability test](#) [20]

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