ESIP Usability Cluster
ESIP Federation, Winter 2017 Meeting, Bethesda, Maryland

OUR SHARED VISION

To foster the adoption of usability research and evaluation techniques for all user-facing capabilities provided by archives and repositories.

Who We Are – Membership

We would love to have YOU join us!

Chair: Sophie Hou (National Center for Atmospheric Research)

Co-Chair: Madison Langseth (U.S. Geological Survey)

Members: We currently have 60 members from a variety of organizations, including federal agencies, research centers, and academic institutions.

To join, subscribe to email list at:
**http://lists.esipfed.org/mailman/listinfo/esip-usability**

What We Do – Cluster Objectives

- The Usability Cluster aims to:

  - Discuss the applicability of using User Interface (UI)/User Experience (UX) principles and techniques in evaluating and enhancing the services offered by data archives/repositories.

  - Review usability principles and usability evaluation techniques as well as the different areas in which these principles and techniques could be applied in a data archive/repository setting.

  - Collect and annotate usability resources, such as usability evaluation tools and relevant conference/publications.

  - Demonstrate through practical examples that UI/UX analysis and design need not be burdensome in order to yield immediate results and that these experiences could be shared with the greater community to enhance user interactions with data archives/repositories as a whole.

Why We Care – Supporting ESIP Strategic Goals

- Increase the use and value of Earth science data and information by improving intuitive and easy access.

- Strengthen the ties between observations and user communities through conducting usability evaluations and integrating user feedback.

- Promote usability techniques to articulate and measure the socioeconomic value and benefit of Earth science data, information and applications.

- Position ESIP to play a major role in providing recommendations/assistance to Earth science usability issues.
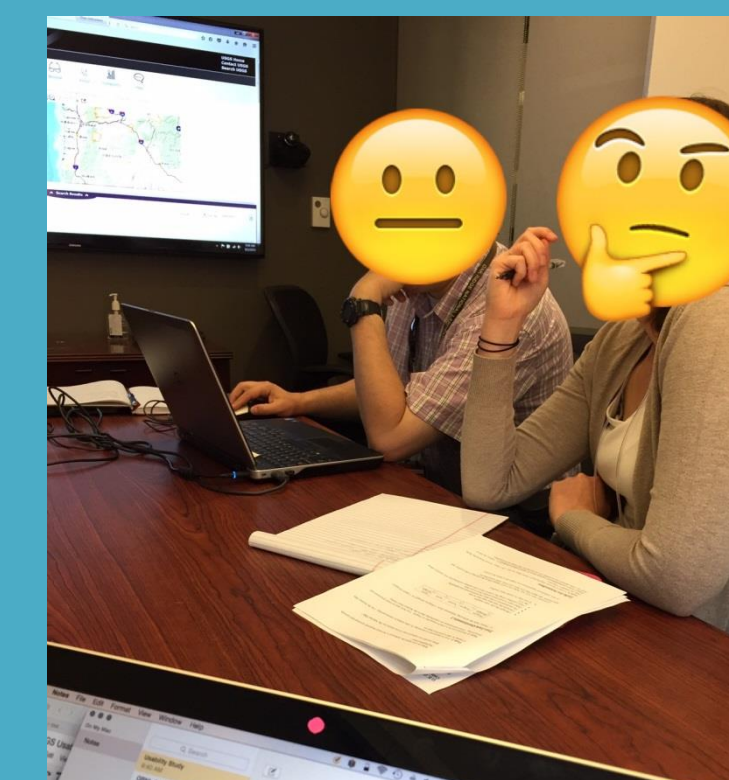
Highlights of Usability Cluster Activities

UTILITY + **USABILITY** = **USEFUL**
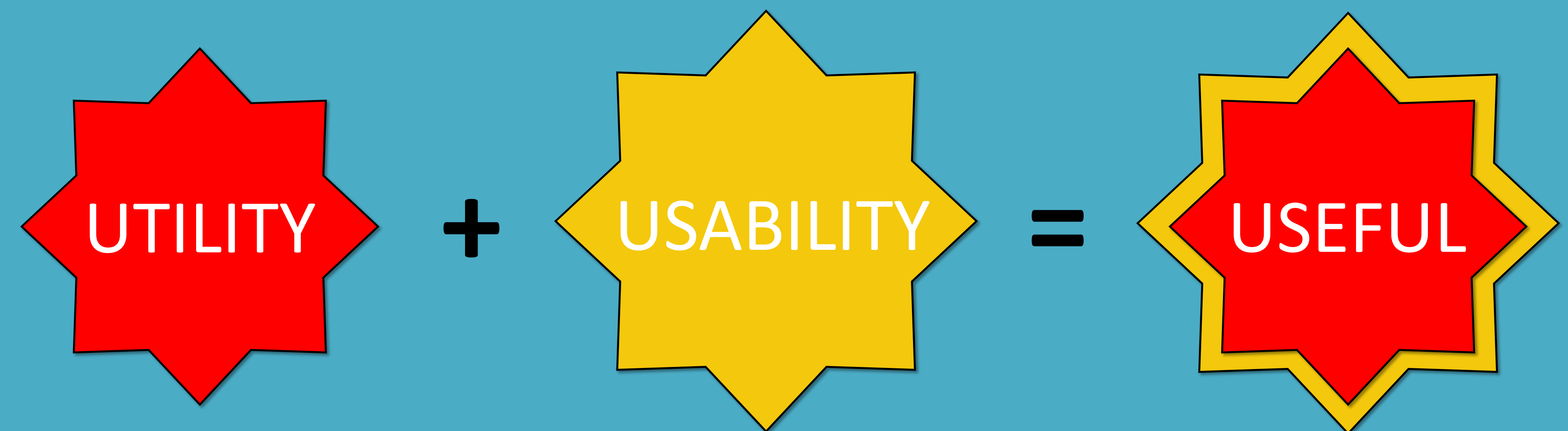
provides the features you need   easy & pleasant features to use

Graphic above adopted from: Meml. (2013, September 23). What is usability. Accessed at https://mnsmorgal.wordpress.com/2013/09/23/what-is-usability/

Sample List of Usability Evaluation Techniques

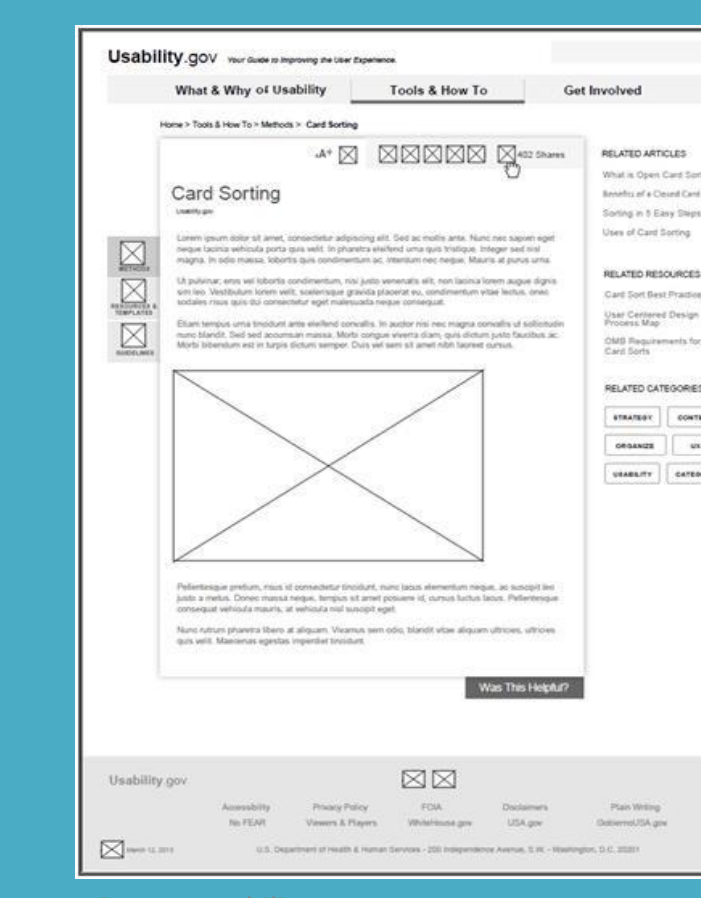| Usability Testing	Cognitive Walkthrough	Heuristic Evaluation
Competitive Analysis	Interviews / Surveys	Eye Tracking
Paper Prototyping	Wireframes	Heat Mapping
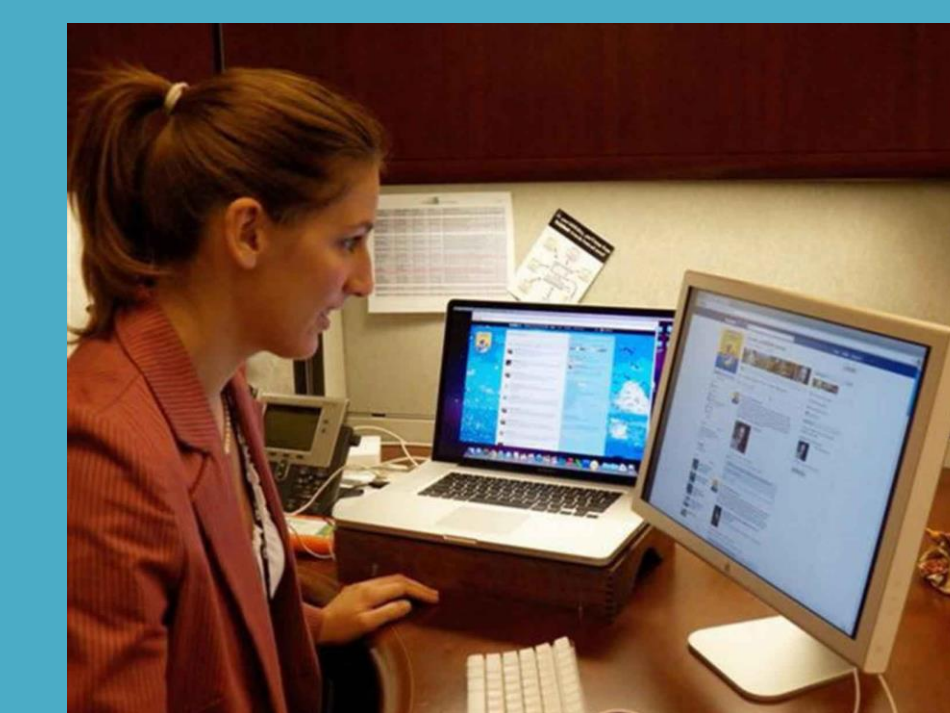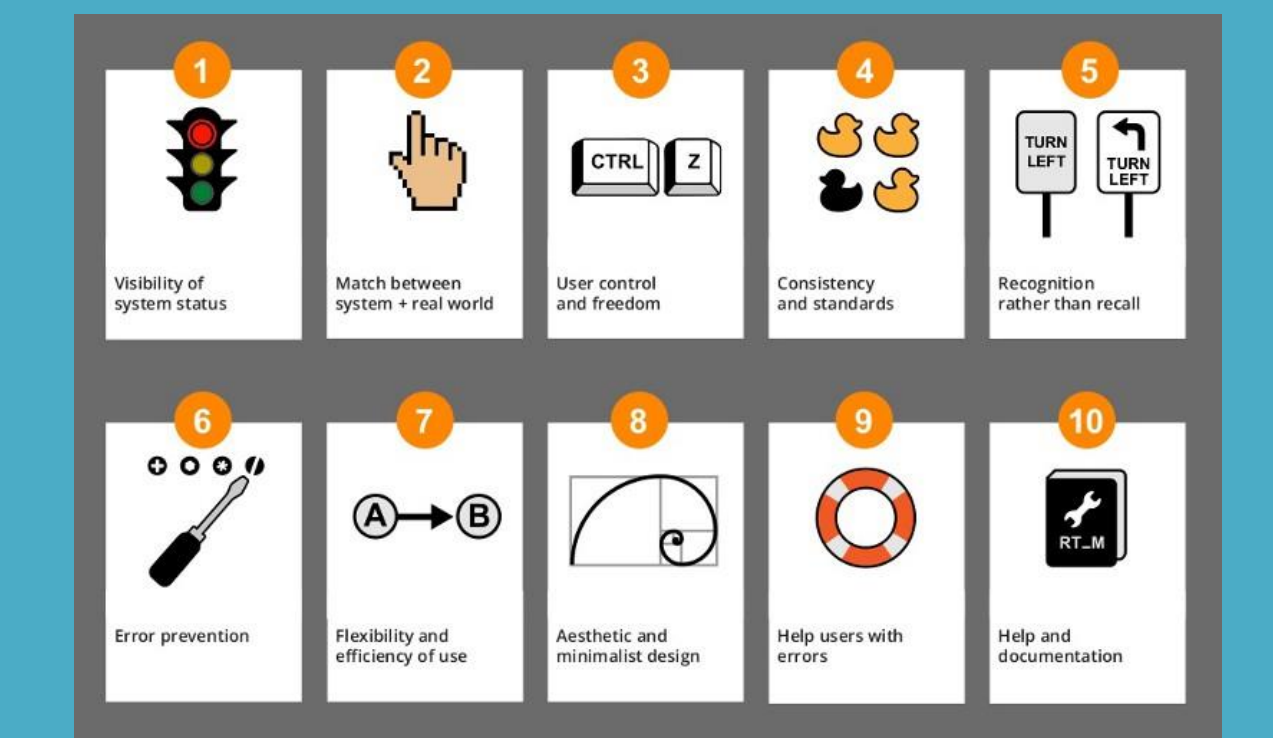
Source: usability.gov

Source: https://www.nngroup.com/articles/f-shaped-pattern-reading-web-content/