

The background of the slide features a textured, light-colored paper surface. On the right side, there are several dark, thin stalks of rice or wheat, each bearing a cluster of small, dark grains. In the background, a range of mountains is visible, rendered in a soft, muted greenish-grey tone. The overall aesthetic is natural and organic.

*Managing Portfolios With a
View to Sustainability*

Geneva Henry
Rice University
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Overview

- ❖ Considering the *ilities*
- ❖ What is sustainability
- ❖ Example of Rice University Projects
- ❖ Why sustainability as a decision factor

The ilities

- ❖ Systems Engineering thinks about the *ilities* as a non-quantifiable requirement
 - Usability, maintainability, scalability, availability, extensibility, security, portability
- ❖ *Ilities* measure quality
- ❖ Bottom line: how well does the system stand up to change over time
- ❖ Ultimate *ility* in higher ed: sustainability

Sustainability

- ❖ When a new project comes along, can it be sustained
- ❖ Core staff, core infrastructure, minimum customization
- ❖ Separate project-specific interfaces from long-term support
- ❖ Build from previous experience/code
- ❖ Balance stakeholder desires with what's realistic

Example of Rice U. Projects

- ❖ Accommodate all collections in DSpace
- ❖ Our Americas Archive Partnership
 - Management of digitized collection separate from presentation interface
 - Lessons learned from Travelers in the Middle East Archive (TIMEA) project
- ❖ ECE Publications
 - Citation formats for every collection, regardless of format used
- ❖ Music performance organizational rubric
 - Think about different ways to represent collections

Sustainability as a Driver

- ❖ Change is constant; support must also be constant
- ❖ Finite resources must keep growing collections current
- ❖ Sustainability = growth = quality