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Abstract: **Scientific Stewardship - What Is It and
What Does It Mean to Us?**

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U.S. Laws, government mandates, and agency's requirements on scientific data, for example, on data trustworthiness, accessibility, and usability, have started to change or have already changed the way we produce and provide datasets and information about them to end-users - both machine and human.

In this presentation, we will describe some of the latest research on dataset-centric scientific data stewardship, especially scientific stewardship that is most relevant to CICS researchers. We will also touch on consistent frameworks that can be used to measure maturity of individual datasets and to help data producers and product subject matter experts identify areas of improvement of their datasets.