

Title: “The importance of (sustainable) science platforms”

Abstract: Ever more data- and compute-intensive science makes cyberinfrastructure increasingly important for research. But for advanced cyberinfrastructure to benefit more than the scientific 1%, we need delivery methods that slash costs, sustainability models beyond direct federal funding, and platform capabilities to accelerate the development of interoperable tools and services. I use two systems constructed and operated by myself and my colleagues – Globus (globus.org) and the Materials Data Facility (materialsdatafacility.org) – to illustrate how these desiderata can be realized in practice.