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# Energy Advances

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Fundamental questions  
Elemental answers



Showcasing research from PSDI: Physical Sciences Data Infrastructure, a collaborative initiative between the University of Southampton and the Science and Technology Facilities Council (STFC), funded by EPSRC grants EP/X032701/1, EP/X032663/1 and EP/W032252/1.

Digital research environments: a requirements analysis

Physical science depends on historical records as well as new ideas, results, and opportunities. In this increasingly digital era, in which much of modern-day life is technology-driven, a significant amount of scientific data remains in forms that are inaccessible to current methods. Moreover, the creation and subsequent accessing of high-quality reusable data continue to present challenges. As part of the pilot phase of the Physical Sciences Data Infrastructure (PSDI) Initiative we investigated the current landscape of digitisation in 2022. This paper provides an outline of what the physical sciences community requires from a Digital Research Environment (DRE).

As featured in:



See Samantha Kanza *et al.*,  
*Digital Discovery*, 2023, 2, 602.