

FAIR in an unfair world: cybersecurity, data breaches, data integrity, and open science

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Data breaches have evolved from routinely making headlines, to making headlines only when they involved large fractions of the world's population, to being routine to the point of no longer being newsworthy. In the U.S., there is increasing emphasis on cybersecurity to assure the confidentiality of data, emphasis that is reaching into higher education and research through contractual requirements. However, as we consider shared data and large scientific datasets, we need cybersecurity that appropriately respects broadly shared data whose greatest challenges may lie with integrity and availability and that is applicable to projects of all science domains and sizes. This talk will cover work in cybersecurity for science by the NSF Cybersecurity Center of Excellence and other NSF projects.

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