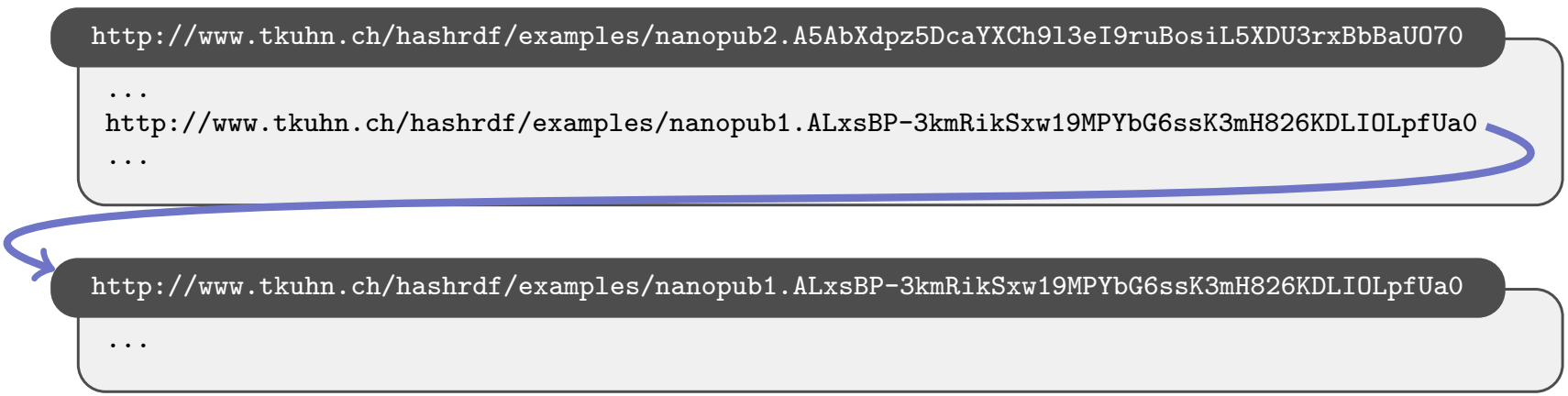
# Hash-URIs — or "Git for science"

**Digital artifacts** of scientific contributions (papers, datasets, nanopubs, ...) should be citable, verifiable, permanent, and immutable.

**URIs with cryptographic hash values** can enforce these properties. They allow for verification of their content, which may contain other hash-URIs:




**Implementation:** `https://github.com/tkuhn/hashrdf`

**Making it Happen:** We have to agree on a standard, develop tools and libraries, and start using hash-URIs!