

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**:

```
http://www.tkuhn.ch/hashrdf/examples/nanopub2.A5AbXdPz5DcaYXCh913eI9ruBosiL5XDU3rxBbBaU070
```

```
...
```

```
http://www.tkuhn.ch/hashrdf/examples/nanopub1.ALxsBP-3kmRikSxw19MPYbG6ssK3mH826KDLIOLpfUa0
```

```
...
```

```
http://www.tkuhn.ch/hashrdf/examples/nanopub1.ALxsBP-3kmRikSxw19MPYbG6ssK3mH826KDLIOLpfUa0
```

```
...
```

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!