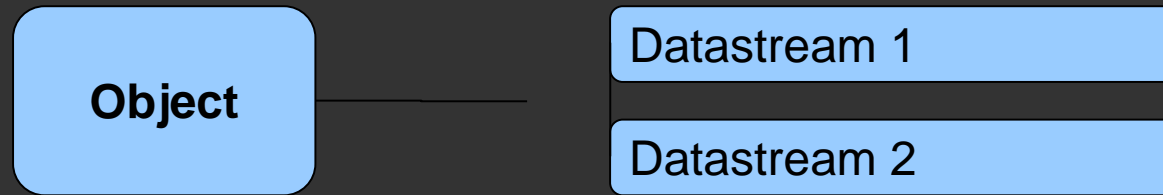# Databank

@ University of Oxford

Anusha Ranganathan

Fedora as a Datastore

> How do you store complex/compound objects?

> Example: website

- Create a Web archive file and ingest it as a single object
- Break the site into each part and ingest the parts as objects

What's needed

- Should have all the benefits of a native file system with the advantages of using a repository

  - Access and preserve the dataset

  - Keep the structure of the dataset

  - Easy discovery

  - Versioning

  - Audit Log

  - Access the file system through the web (have a RESTful interface, persistent URIs)

Databank API

- RDF-enhanced storage API, pairtree-backed
- Have a small footprint
  - Manifest
  - Primitive directory level metadata tags exposed via filenames (Namaste)
    - Owner (who)
    - Date created (when)
    - Identifier (What)
- Indexing of metadata for easy discovery
- Organised as Silos, datasets and items

Where we are

- Alpha release
- We have setup a simple web service
- Testing the pilot version in conjunction with research units at the Zoology department

- Code available at github
    - https://github.com/anusharanganathan/RDFDatabank