

# SCOPING DIGITAL REPOSITORY SERVICES FOR RESEARCH DATA MANAGEMENT



[ict.ox.ac.uk/odit/projects/digitalrepository/](http://ict.ox.ac.uk/odit/projects/digitalrepository/)

## Project Aim

The Scoping Digital Repository Service for Research Data Management project overall aim is to scope the requirements, including underlying infrastructure and interoperability, for digital repositories services to store, disseminate and preserve research data generated at Oxford.

## Researchers' Data - The Challenges

I COULDN'T MAKE SENSE OF THE DATA I COLLECTED FOR MY PhD 5 YEARS AGO

CLINICAL TRIALS DATA COLLECTED 30 YEARS AGO CAN BE USED TO IDENTIFY THE DAUGHTERS OF THOSE WOMAN WHO WERE ADMINISTERED A DRUG THAT CAUSES CANCER IN THEIR DAUGHTERS

WE COLLECTED DATA AS PART OF AN INTERNATIONAL COLLABORATION BUT WE DON'T KNOW WHO OWNS THE DATA?

HELP! I AM REQUIRED TO PRODUCE A DATA MANAGEMENT PLAN



TO SHARE OUR DATA WE HAD TO PHYSICALLY TRANSPORT THE SERVER

I WANT TO PUBLISH THE DATA AS AN ADDITIONAL RESOURCE FOR READERS OF MY PUBLISHED BOOK/ARTICLE

WHEN RESEARCHERS LEAVE THE DEPARTMENT WE LOOSE ALL THE DATA THEY CREATED

WE HAD TO MIGRATE DATA TO NEW FORMATS AS NOT TO LOSE THEM. IT TOOK US MONTHS!!

## Top Requirements for Services - What Do Oxford Researchers Want?

- Advice on practical issues related to managing data across the research life cycle.
- A secure and user-friendly solution that allows storage of large volume of data and sharing of these in a controlled fashion via fine-grained access controlled mechanisms.
- A sustainable infrastructure that allows publication and long-term preservation of research data for those disciplines not currently served by domain specific services

## Research Data Management Services - Who Does What?

DATA MANAGEMENT & SHARING PLANS	LEGAL & ETHICAL	BEST FORMATS & BEST PRACTICE	SECURE STORAGE	METADATA	ACCESS & DISCOVERY	COMPUTATION ANALYSIS & VISUALIZATION	RESTRICTED SHARING	DATA CLEANING	PUBLICATION	ASSESS VALUE	PRESERVATION	ADD VALUE
<b>TOOLS &amp; INFRASTRUCTURE</b>												
<b>ADVICE &amp; SUPPORT</b>												

## Other Activities



## A Collaborative Project Between



OFFICE OF THE DIRECTOR OF IT  
Enabling Oxford University to make optimal use of IT

Oxford University Library Services

Oxford Digital Repositories Steering Group

